

Avid[®] DS v10

Install Guide



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Contents

	Using This Guide	13
	Symbols and Conventions	13
	If You Need Help	14
	Avid DS Customer Support	14
	E-mail Support	14
	Web Support	15
	Upload Utility	15
	Avid Community Forum	15
	How to Order Documentation	16
	Avid Training Services	16
Chapter 1	Installing your Avid DS Environment	17
	Installing Avid DS Workstations	18
	Installing a Standalone Avid DS Workstation	18
	Installing Multiple Workstations in an Avid DS Workgroup	18
	Installing New Avid DS Workstations	20
	Checklist: Preparing a New Avid DS Workstation	20
	Checklist: Installing a Standalone Workstation	23
	Checklist: Installing Multiple Workstations	24
	Installing the Controller	24
	Installing Avid DS on the Appropriate Workstations	25
	Installing Avid DS RP on the Appropriate Workstations	26
	Upgrading Existing Avid DS Workstations	27
	Checklist: Preparing your Workstation for an Upgrade	28
	Checklist: Upgrading a Standalone Avid DS Workstation	29
	Checklist: Upgrading a Workgroup with Multiple Avid DS Workstations	30
	Checklist: Removing Avid DS	32
	Managing a Workgroup	33
	Adding a Workstation to a Standalone Avid DS Workstation	33
	Connecting Other Workstations in the Workgroup to the Controller	34
	Designating a New Controller for the Workgroup	34

	Separating a Workstation from the Workgroup	35
	Restarting a Workgroup	35
	Recovering the Avid DS System	35
Chapter 2	Configuring Avid DS on Avid Unity	37
	Installing Avid DS with Avid Unity.	38
	Checklist: Installing Avid DS with Avid Unity	38
	Configuration and Hardware Requirements.	39
	Examples of Setup Scenarios	40
	Configuring the Avid DS Media Storage on Avid Unity MediaNetwork	43
	Preparing to Configure Avid DS Storage	43
	Connecting an Avid DS Workstation to a Remote Avid Unity Storage	44
Chapter 3	Configuring Windows XP	45
	Configuring the Network Connection	46
	Using Two Network Cards.	48
	Installing the Microsoft Loopback Adapter on a Standalone Station	49
	Managing Microsoft Windows Workgroup Accounts	50
	Managing Microsoft Windows Domain Accounts	51
	Naming a Workstation	51
	Sharing Folders and Setting Permissions	52
	Sharing Folders in a Windows Workgroup	52
	Storing Projects.	53
	Sharing Folders in a Windows Domain	53
	Creating User Accounts	54
Chapter 4	Installing Avid DS Software and Services	57
	Overview: Avid DS Software & Drivers DVD	58
	The Avid DS Support Console	58
	Installing Avid DS Software Components.	60
	Uninstalling Avid DS.	60
	Installing Avid DS Software on a Standalone Workstation.	60
	Installing for a Workgroup	64
	Installing the Avid DS Controller.	66
	Installing Avid Interplay Media Service and Related Applications	69
	Uninstalling DMS Broker v2.1	69

	Uninstalling DMS Broker v5.0	70
	Installing Internet Information Services	70
	Installing Microsoft .Net Framework 1.1	71
	Installing Java Runtime Environment	71
	Installing Microsoft SQL Server	71
	Installing Avid Interplay Media Service	75
	Installing Avid Interplay Media Service and Transfer Status	75
	Installing the Sentinel Driver	76
	Installing Avid MetaFuze	76
	Installing Drivers	77
	Installing and Removing the AVI Reference Codec	78
	Reinstalling Plug-Ins	79
	Installing and Removing Fonts	80
	Installing and Removing Type 1 Fonts	80
	Installing and Removing TrueType Fonts	80
	Installing Non-European Fonts	81
	Some Tips	82
	Saving Avid DS System Settings	83
	Exporting and Importing your Preferences	83
	Saving your Avid DS Deck Presets	84
Chapter 5	Installing the Remote Processing Software	85
	Remote Processing Concepts	86
	Minimal Requirements for Avid DS RP Workstation	86
	Optimizing Network and Remote Processing Performance	87
	Optimizing CPU Usage on Avid DS RP Workstations	87
	Installing Avid DS RP	88
	Avid Throttle Manager	92
Chapter 6	Licensing Avid DS Software	93
	Requesting a License File	94
	Installing the Registered License File	94
Chapter 7	Managing Your Storage Areas	95
	Planning your Storage Locations	96
	The Avid Indexing Services	96

	Workgroup with Private Projects and Centralized Storage	97
	Workgroup with Shared Projects and Storage	99
	Workgroup with Shared Storage in an Avid Interplay Environment.	101
	Sharing Media	104
	Sharing MXF Media.	105
	Sharing OMFI Media	106
	Placing DPX Media on the Storage Device.	106
	Linking Back to MXF Media on the Avid Offline Editing System	107
	Configuring your Storage Locations.	109
	Defining your Storage Areas within the Media Indexing Service.	109
	Accessing Storage on another Workstation	114
	Accessing Storage on Workstations in an Avid Interplay Environment.	117
	Stopping and Starting your Avid Indexing Services.	119
	About your Local Storage Area	120
	The DS Archives Folder	121
	The DS Projects Folder	121
	The DSPresets Folder.	122
	The VideoStorage and AudioStorage Folders.	122
	The DSSystem Folder.	123
Chapter 8	Understanding the Avid Interplay Media Services System	125
	Media Services Software Components	126
	Understanding the Media Services Engine Software	126
	Understanding the Avid Interplay Media Services and Transfer Status Tool	127
	Understanding the Standalone Media Services and Transfer Status Tool	129
	Starting the Interplay Media Services Engine	129
Chapter 9	Interplay Media Services Configuration	131
	Configuring the Media Services Engine.	132
Chapter 10	Using the Media Services and Transfer Status Tool.	135
	Opening the Media Services and Transfer Status Tool	136
	Media Services and Transfer Status Tool User Interface.	138
	Using the Jobs Page	138
	Jobs Page Information	139
	Customizing the Jobs Page Columns	140

	Filtering the Jobs List	140
	Viewing Details About a Job	141
	Job Details Window	142
	Purging the Jobs List	143
	Prioritizing a Job	144
	Canceling a Job	145
	Deleting a Job	145
	Retrying a Job	146
	Exporting the Jobs List	146
	Understanding the Providers Page	146
	Opening the Providers Page	147
	Customizing the Providers Display	148
	Viewing Details About a Provider	148
	Deleting Providers	149
	Understanding the Services Page	149
	Opening the Services Page	149
	Displaying Details About a Service	150
	Deleting a Media Services Service	151
	Understanding the Users Page	152
	Opening the Users Page	152
	Setting Up User Accounts	153
	Reassigning Passwords	153
	Deleting User Accounts	154
Chapter 11	Installing Services and Registering Providers	155
	Registering the Provider	156
	Verifying a Service is Connected	158
	Index	159

Using This Guide

Congratulations on your purchase of an Avid® DS system. You can use your system to create broadcast-quality output incorporating every possible production element from full-speed, high-resolution footage, multimedia artwork and animation, to computer-generated effects and titling.

This guide is intended for sytem administrators who are involved in installing and configuring Avid DS.

The material in this document applies to the Windows® operating system.



The documentation describes the features and hardware of all models. Therefore, your system might not contain certain features and hardware that are covered in the documentation.

Symbols and Conventions

Avid documentation uses the following symbols and conventions:

Symbol or Convention	Meaning or Action
	A note provides important related information, reminders, recommendations, and strong suggestions.
	A caution means that a specific action you take could cause harm to your computer or cause you to lose data.
>	This symbol indicates menu commands (and subcommands) in the order you select them. For example, File > Import means to open the File menu and then select the Import command.
▶	This symbol indicates a single-step procedure. Multiple arrows in a list indicate that you perform one of the actions listed.
Bold font	Bold font is primarily used in task instructions to identify user interface items and keyboard sequences.
<i>Italic font</i>	Italic font is used to emphasize certain words and to indicate variables.

Symbol or Convention	Meaning or Action
Courier Bold font	Courier Bold font identifies text that you type.
Ctrl+key or mouse action	Press and hold the first key while you press the last key or perform the mouse action. For example, Command+Option+C or Ctrl+drag.

If You Need Help

If you are having trouble using Avid DS:

1. Retry the action carefully following the instructions given for that task in this guide. It is especially important to check each step of your workflow.
2. Check the latest information that might have become available after the documentation was published:
 - ▶ If release notes are available, they ship with the application.
 - ▶ If ReadMe files are available, they are supplied on your Avid DS installation DVD, the Avid DS application folder, or online.

Always check online for the most up-to-date release notes or ReadMe because the online version is updated whenever new information becomes available. To view these online versions go to www.avid.com/readme.

3. Check the documentation that came with your Avid application or your hardware for maintenance or hardware-related issues.
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Avid DS Customer Support

The following sections describe various Avid DS Customer Support options.

E-mail Support

The e-mail address for Avid DS Customer Support is: **dssupport@avid.com**.

You can use it for sending bug reports, usability questions, and avidds.cab audit reports for system analysis. All e-mails are logged in the support database and assigned a case number. Send one support request per e-mail.



It is mandatory that you include your SID number in the body of your e-mail message for verification of your maintenance contract and case logging. Otherwise, response will be delayed.

Web Support

The Avid DS Support Center at www.avid.com/ds/support provides quick access to a wide range of resources from the Avid DS teams and user community. Downloads, including presets, drivers, and Quick Fix Engineering (QFE), provide the latest solutions for use with your Avid DS system. Online documentation, tutorials, and Knowledge Base articles ensure that you get the most out of your work with Avid DS. It's like having a dedicated Avid DS Customer Support engineer sitting at your desk!

Upload Utility

For troubleshooting purposes, you can upload your files for Avid DS Customer Support personnel to examine. You can upload a project's archive, media files, or other necessary data. Simply zip the files that you need to upload and use a short name (for easy retrieval), such as archive.zip or Case274877.zip.

To upload your files:

1. Go to the Avid web site at www.avid.com/ds/support.
2. Select Contact > Upload Tool.
3. Once the file upload is complete, send an e-mail to dssupport@avid.com to inform Avid DS Customer Support as there is no automatic notification when a file is uploaded on the FTP server. Please provide the complete and exact file name (case sensitive) to retrieve.

Avid Community Forum

Although the Avid DS community forum is frequently monitored by Avid employees, it is not part of the official support channels. You are invited to send your support requests to any of the above channels when required.

Join the worldwide network of Avid DS users exchanging ideas. The mailing list has proven to be quite useful for users, and there is a constant stream of new subscribers.

To subscribe, send an e-mail to majordomo@softimage.com with the following text in the body of your message: subscribe ds. You can get further information on using the automated list server by e-mailing majordomo@softimage.com with "help" as your message.

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1 Installing your Avid DS Environment

This section describes how to set up a post-production environment with Avid DS.

Whether this is a new system installation, or an upgrade from an existing system, the workstation(s) must be prepared with the proper operating system, drivers, and network and storage connections.

The Avid DS Support Center web site at www.avid.com/ds/support, has all the most recent software updates, hardware component and firmware drivers.

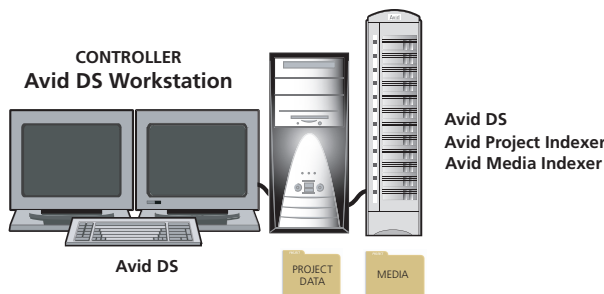
Installing Avid DS Workstations

Due to the various types of hardware platforms and Avid DS workgroup configurations, there are different installation checklists for upgrading your Avid DS workstation software. These checklists have specific steps that must be followed in the correct order. Each step will point you to an appropriate section with more detailed instructions. Return to the checklist each time that you complete a step.

This section shows different ways to set up your Avid DS workgroup, and where each of the various Avid DS software components or services should be installed.

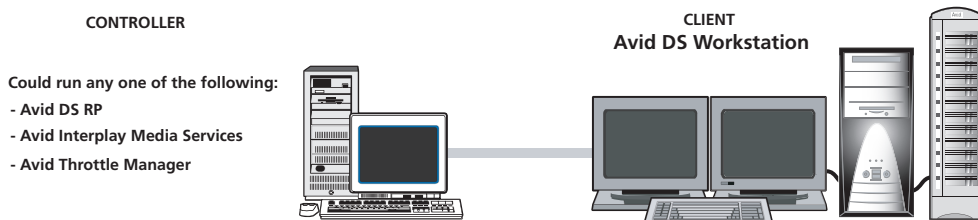
Installing a Standalone Avid DS Workstation

A single standalone Avid DS workstation requires only the installation of the Avid DS software. The single workstation functions as both controller and media indexing service.



Installing Multiple Workstations in an Avid DS Workgroup

Two or more Avid DS workstations (including an Avid DS RP workstation), can be connected as an Avid DS workgroup, enabling the sharing of projects and media between workstations or the offloading of media management and processing services to a dedicated workstation.

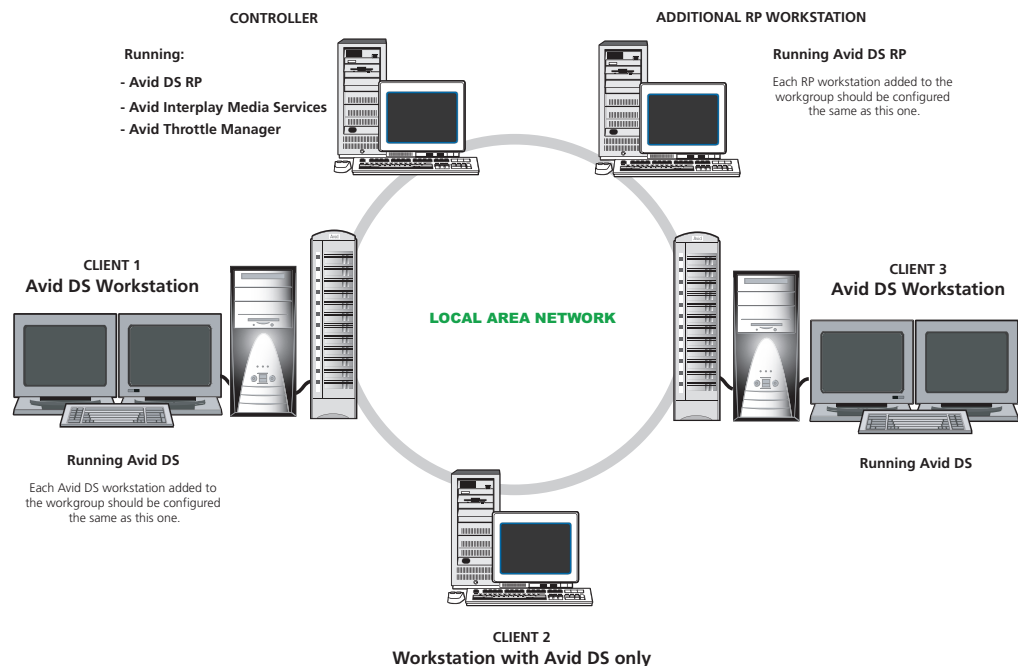


To optimize the operation of a workgroup, we recommend connecting an ordinary workstation (i.e. a non-Avid DS workstation) to the workgroup and designating it as the controller. The controller manages all indexing and remote processing services, so that the Avid DS workstations can be dedicated to editing tasks.



This workstation would have the same system requirements as an Avid DS RP—see “Minimal Requirements for Avid DS RP Workstation” on page 86.

In a more elaborate environment, more than one RP workstation may be providing services to several Avid DS workstations. (You can’t run Avid DS RP and Avid DS simultaneously on a workstation.)



Workgroup Components

Avid DS Workgroup Controller

The Workgroup Controller is a workstation in a workgroup that hosts the Avid Project Indexer service.

Avid DS

Avid DS is the editing, compositing, graphics and finishing application.

Avid DS RP

Avid DS RP is the remote processing application used to create real-time, playable, cached media in the Avid DS storages.

Workgroup Components	
Avid Throttle Manager	Avid Throttle Manager controls the jobs running on the remote processor so that Avid DS has priority access to its media files.
Avid Media Indexer	Avid Media Indexer is an application that gathers media file information and the location of all the stored Avid DS audio and video files. The media files can be stored on a Unity workspace or a local storage device. In a workgroup, each Avid DS workstation has Media Indexer installed.
Avid Project Indexer	Avid Project Indexer defines the DS Workgroup Controller. The service gathers projects, sequences, and clip information and the location of all the defined Avid DS project roots. There is only one service per DS Workgroup.

To properly configure an Avid DS workgroup, you should have a basic understanding of Windows user account management. All workstations should be connected to the same network so that they can access each other’s project files and media when necessary.

Refer also to [“Planning your Storage Locations” on page 96](#) for the various media storage configurations. If you are using Avid Unity MediaNetwork as storage, you may use it in any of these workgroup scenarios.

Installing New Avid DS Workstations

- Use the following checklists when installing new Avid DS workstations.
- [“Checklist: Preparing a New Avid DS Workstation” on page 20](#)
 - [“Checklist: Installing a Standalone Workstation” on page 23](#)
 - [“Checklist: Installing Multiple Workstations” on page 24](#)

Checklist: Preparing a New Avid DS Workstation

Before installing the Avid DS software, prepare your workstation(s) with the proper operating system, drivers, and network and storage connections.



This checklist applies only to workstations on which you are installing Avid DS. It is not required if you are only installing Avid DS RP on the workstation—see [“Upgrading Existing Avid DS Workstations” on page 27](#).

Follow these steps in the order that they are listed. Each time you link to another topic within a step, make sure you return to the checklist after you have completed that procedure. Use the Previous View button in Adobe Reader to return to the previous topic.

Step	Refer to
❑ Read the online release notes and pre-installation instructions on the Avid DS Support Center web site.	Go to www.avid.com/ds/support and select Download > Software .
❑ Request an Avid DS license for each workstation on which you are going to install Avid DS.	“Requesting a License File” on page 94
❑ Make sure the workstation is properly connected to any necessary peripheral and storage devices.	Avid DS System Setup Guide
❑ Start the workstation.	
❑ On new Avid DS systems, the Windows XP operating system is already installed, but the Windows XP product ID may be required for license confirmation. You will be asked to create a user account (other than Administrator). After setting up a user account, switch to the administrator account to install Avid DS. • Press Ctrl+Atl+Del twice to get the Windows login dialog. • Type administrator for the User ID and leave the Password field blank. • After you log in as administrator, add a password for the administrator, so that the Avid DS indexing services function properly.	“Creating User Accounts” on page 54 Microsoft Windows online help. Click Start > Help and Support.
❑ On 64-bit systems, make sure that Windows Media Encoder 9 Series is installed. This is needed to allow the output and capture of WMV files.	Go to the Microsoft Download Center at http://www.microsoft.com/downloads/ .
❑ The workstation MUST have a unique IP address. Make sure that you have a valid network connection for your Avid DS workstation whether it is connected to a network or is standalone.	“Configuring the Network Connection” on page 46
 <i>If you are running a standalone workstation, and don't have a valid network connection, you need to simulate one by creating a loopback connection—see “Installing the Microsoft Loopback Adapter on a Standalone Station” on page 49.</i>	

1 Installing your Avid DS Environment

Step	Refer to
☐ Create a user account for each workstation user. - If you are part of a Windows Workgroup... “Managing Microsoft Windows Workgroup Accounts” on page 50 - If you are part of a Windows Domain... “Managing Microsoft Windows Domain Accounts” on page 51	
☐ Name the workstation to uniquely identify it within your Avid DS workgroup. “Naming a Workstation” on page 51	
☐ Turn off simple file sharing , so that other Avid DS software components can access the shared folders for data and media. From Windows Explorer, select Tools > Folder Options... > View . Under Advanced settings, deselect the Use simple file sharing (Recommended) check box.	
☐ Use a network timing software to maintain synchronization between the workstations within a workgroup.	
☐ Install the necessary drivers for the workstation. When installing the drivers, reboot the workstation each time you are asked to do so.  <i>If you purchased a new Avid DS system, the drivers and firmware needed to run Avid DS are already installed on your system.</i>	Use the Avid DS Software & Drivers DVD, or download the latest drivers from the Avid DS Support Center web site: www.avid.com/ds/support .
☐ If the workstation has a local storage device, make sure the stripe volume has been created.	Avid DS v10.x System Setup Guide
☐ You are now ready to install Avid DS on the workstation(s). Use the appropriate checklist for installing: - a single standalone Avid DS workstation “Checklist: Installing a Standalone Workstation” on page 23 - multiple connected Avid DS and/or Avid DS RP workstation(s). “Checklist: Installing Multiple Workstations” on page 24	

Checklist: Installing a Standalone Workstation

For a standalone Avid DS workstation, you need to install only Avid DS.

Follow these steps in the order that they are listed. Each time you link to another topic within a step, make sure you return to the checklist after you have completed that procedure. Use the Previous View button in Adobe Reader to return to the previous topic.

Step	Refer to
☐ Ensure that the workstation has been fully prepared for the install.	“Checklist: Preparing a New Avid DS Workstation” on page 20
☐ Log on to the workstation.	
☐ Install Avid DS.	“Installing Avid DS Software Components” on page 60 Use the Avid DS Software & Drivers DVD, or download the software from the Avid Download Center www.avid.com/ds/support .
☐ Install the latest Avid DS upgrades and/or fixes (if any). Follow the online instructions to install software updates, then reboot the workstation.	Download the latest upgrades and/or fixes.
☐ Create the license file for the workstation.	“Installing the Registered License File” on page 94
☐ Any new storage areas automatically have full read/write access by any user on the network. To restrict access to the media, change the share permissions through Windows.	“Sharing Folders and Setting Permissions” on page 52
☐ Configure the media storage areas on each Avid DS workstation. By default, the Avid DS installation configures one audio and one video storage on each workstation. Check the storage device configuration to set the Disk Controller Type and Disk Storage Type correctly.	“Configuring your Storage Locations” on page 109
☐ Set the path to the projects folder.	Establishing the Project Folder in the Help

1 Installing your Avid DS Environment

Step	Refer to
☐ Test Avid DS by starting it and creating a new project. Creating a Project in the Help  <i>If you receive a Project Indexer message when you create a new sequence, contact Avid DS Support Center immediately to resolve the problem.</i>	

Checklist: Installing Multiple Workstations

To upgrade an existing Avid DS workgroup, follow the instructions in this section. The order in which you install the Avid DS software and services is critical, especially when configuring RP workstations.

Installing the Controller

Follow these steps in the order that they are listed. Each time you link to another topic within a step, make sure you return to the checklist after you have completed that procedure.

Step	Refer to
☐ Determine the appropriate workgroup configuration.	“Installing Avid DS Workstations” on page 18
☐ In a workgroup, first install the controller.	“Installing the Avid DS Controller” on page 66 Use the Avid DS Software & Drivers DVD, or download the software from the Avid Download Center www.avid.com/ds/support .
☐ After the controller has been installed, install and connect other workstations in the workgroup.	“Installing Avid DS on the Appropriate Workstations” on page 25

Installing Avid DS on the Appropriate Workstations

Follow these steps in the order that they are listed. Each time you link to another topic within a step, make sure you return to the checklist after you have completed that procedure. Use the Previous View button in Adobe Reader to return to the previous topic.

Step	Refer to
☐ Ensure that each Avid DS workstation has been fully prepared for the install.	“Checklist: Preparing a New Avid DS Workstation” on page 20
☐ Log on to the workstation.	
☐ Install Avid DS.  <i>In a workgroup environment, the controller must be installed before you install Avid DS on the workstations.</i>	“Installing Avid DS Software Components” on page 60 Use the Avid DS Software & Drivers DVD, or download the software from the Avid Download Center www.avid.com/ds/support .
☐ Install the latest Avid DS updates and/or fixes (if any). Follow the online instructions to install these software updates, then reboot the workstation.	Download the latest upgrades and/or fixes.
☐ Create the license file on each workstation where Avid DS is installed.	“Installing the Registered License File” on page 94
☐ Any new storage areas automatically have full read/write access by any user on the network. To restrict access to the media, change the share permissions through Windows.	“Sharing Folders and Setting Permissions” on page 52
☐ Configure the media storage areas on each Avid DS workstation. By default, the Avid DS installation configures one audio and one video storage on each workstation. Check the storage device configuration to set the Disk Controller Type and Disk Storage Type correctly.	“Configuring your Storage Locations” on page 109
☐ Set the path to the projects folder.	Establishing the Project Folder in the Help
☐ If you are using Avid Unity as your storage, install the Avid Unity MediaNetwork software on each client workstation.	“Checklist: Installing Avid DS with Avid Unity” on page 38

1 Installing your Avid DS Environment

Step	Refer to
☐ Test Avid DS by starting it and creating a new project.  <i>If you receive a Project Indexer message when you create a new sequence, contact Avid DS Customer Service immediately to resolve the problem.</i>	Creating a Project in the Help
☐ Test remote processing on an Avid DS RP workstation (if used by the workgroup). - Start Avid DS RP on the controller, and check that no error messages are displayed. - Start Avid DS on any workstation in the workgroup. - Create a sequence, apply an effect on a short clip, then send the job to be processed remotely. After processing is complete, verify that the processed effect plays back correctly on the timeline.	Understanding Processing in the Help  <i>Select the Process Remotely option in the Processing dialog box.</i>

Installing Avid DS RP on the Appropriate Workstations

After the controller has been installed, install Avid DS RP on the workstations that will serve as remote processing workstations.

Follow these steps in the order that they are listed. Each time you link to another topic within a step, make sure you return to the checklist after you have completed that procedure. Use the Previous View button in Adobe Reader to return to the previous topic.

Step	Refer to
☐ Install Avid DS RP.	“Installing Avid DS RP” on page 88 Use the Avid DS Software & Drivers DVD, or download the software from the Avid Download Center www.avid.com/ds/support.

Step	Refer to
❑ Test remote processing on the newly installed RP workstation. - Start Avid DS RP and check that no error messages are displayed. - Start Avid DS on any workstation in the workgroup.	
❑ • Apply an effect on a short clip and send the job to be processed remotely. After processing is complete, verify that the processed effect plays back correctly on the timeline.  <i>Select the Process Remotely option in the Processing dialog box.</i>	Understanding Processing in the Help
 <i>If you have more than one RP workstation in your workgroup, Avid DS will direct your request to the first available RP workstation. You can test individual RP workstations by closing Avid DS RP on the other RP workstations.</i>	

Upgrading Existing Avid DS Workstations

This section describes how to perform a software upgrade on either an HP xw8200, HP xw8400, HP xw9300, or a software-only workstation.

If you only need to reinstall hardware component drivers or system firmware, refer to the Avid DS Support Center web site at www.avid.com/ds/support for the most recent updates.



If you are upgrading from an earlier version than v7.5, refer to the Avid DS Support Center web site for detailed instructions.

To upgrade your Avid DS workstations.

1.

[“Checklist: Preparing your Workstation for an Upgrade” on page 28](#)
2.

[“Checklist: Upgrading a Standalone Avid DS Workstation” on page 29](#)
- or
- [“Checklist: Upgrading a Workgroup with Multiple Avid DS Workstations” on page 30](#)

Checklist: Preparing your Workstation for an Upgrade

Before upgrading the software, it is very important to archive your existing projects and save your Avid DS user preferences. You can then update your system drivers and firmware, and lastly, upgrade your software.

Follow these steps in the order that they are listed. Each time you link to another topic within a step, make sure you return to the checklist after you have completed that procedure. Use the Previous View button in Adobe Reader to return to the previous topic.

Step	Refer to
☐ Read the online release notes and Readme instructions on the Avid DS Support Center web site.	Go to www.avid.com/ds/support and select Download > Software .
☐ Request an Avid DS license for each workstation on which you are going to install Avid DS.	“Requesting a License File” on page 94
☐ Archive your existing projects. Do NOT directly open projects created using previous versions of Avid DS without first archiving them. Once a sequence is opened in v10.x, it cannot be opened using a previous version. Therefore, it’s best to archive your projects before upgrading.	Archiving Projects in the Help
☐ Save your current Avid DS layouts and preferences.	“Saving Avid DS System Settings” on page 83
☐ Uninstall the previous version of Avid DS as well as any plug-ins.	“Checklist: Removing Avid DS” on page 32
☐ Ensure that all workstations are upgraded to Windows XP Service Pack 2, or Windows Professional x64 Edition and Service Pack 1.	www.avid.com/ds/support
☐ Install the latest Windows XP hot fixes from the Microsoft web site.	v4.windowsupdate.microsoft.com/en/default.asp
☐ Download the latest drivers and firmware files for the workstations. Install these files as instructed on the web site.	Avid Download Center: www.avid.com/ds/support
☐ After the operating system and necessary hardware drivers have been updated, use the appropriate checklist to install the software: on a single standalone Avid DS workstation	“Checklist: Upgrading a Standalone Avid DS Workstation” on page 29

Step	Refer to
on more than one Avid DS and/or Avid DS RP workstation(s) connected together	“Checklist: Upgrading a Workgroup with Multiple Avid DS Workstations” on page 30

Checklist: Upgrading a Standalone Avid DS Workstation

For a standalone Avid DS workstation, you need to install only Avid DS. The Project Indexer and Media Indexer are installed automatically.

Follow these steps in the order that they are listed. Each time you link to another topic within a step, make sure you return to the checklist after you have completed that procedure. Use the Previous View button in Adobe Reader to return to the previous topic.

Step	Refer to
☐ Ensure that the workstation has been fully prepared for the install.	“Checklist: Preparing your Workstation for an Upgrade” on page 28
☐ Install Avid DS.	“Installing Avid DS Software Components” on page 60 Use the Avid DS Software & Drivers DVD, or download the software from the Avid Download Center www.avid.com/ds/support
☐ Install the necessary Avid DS components on this workstation. If there are any fixes for this version, install them as well.	.
☐ Install the license file for the workstation.	“Installing the Registered License File” on page 94
☐ Test Avid DS by starting it and creating a new project. If you receive a Project Indexer message when you create a new sequence, contact Avid DS Support Center immediately to resolve the problem.	Creating a Project in the Help

Use these steps to upgrade each workstation. Follow these steps in the order that they are listed. Each time you link to another topic within a step, make sure you return to the checklist after you have completed that procedure. Use the Previous View button in Adobe Reader to return to the previous topic.

Step	Refer to
☐ Make sure that the workstation has been fully prepared for the install.	“Checklist: Preparing your Workstation for an Upgrade” on page 28
☐ Insert the Avid DS Software and Drivers DVD into your drive, OR Download the latest Avid DS software and updates from the web.	Avid Download Center: www.avid.com/ds/support
☐ Install the Controller	
☐ First, install the necessary Avid DS components on the controller. If there are any fixes for this version, install them as well.	“Installing the Avid DS Controller” on page 66
☐ Install Avid Interplay Media Service.	“Installing Avid Interplay Media Service and Related Applications” on page 69
☐ Install the Other Workstations	
☐ Install Avid DS on each workstation.	
☐ Create the license file for each workstation.	.
☐ Test Avid DS by starting it and creating a new project. If you receive a Project Indexer message when you create a new sequence, contact Avid DS Support Center immediately to resolve the problem.	Creating a Project in the Help
☐ Configure the media storage areas on each Avid DS workstation. By default, the Avid DS installation configures one audio and one video storage on each workstation. Check your storage device configuration to set the Disk Controller Type and Disk Storage Type correctly.	“Configuring your Storage Locations” on page 109
☐ If you are using Avid Unity as your storage, install the Avid Unity MediaNetwork software on each client workstation.	“Installing Avid DS with Avid Unity” on page 38

1 Installing your Avid DS Environment

Step	Refer to
☐ Test remote processing on an Avid DS RP workstation (if you have one in your workgroup). - Start Avid DS RP on the controller, and check the messages in the interface to make sure that no error is displayed. - Start Avid DS on any workstation in the workgroup. - Create a sequence, apply an effect on a short clip and send the job to be processed remotely. After processing is complete, verify that the processed effect plays back correctly on the timeline.  <i>If you have more than one RP workstation in your workgroup, Avid DS will direct your request to the first available RP workstation. You can test individual RP workstations by closing Avid DS RP on the other RP workstations.</i> ☐ Restore your Avid DS layouts and preferences that you saved from your previous version.	Understanding Processing in the Help. Select the Process Remotely option in the Processing dialog box. “Saving Avid DS System Settings” on page 83

[Understanding Processing](#) in the Help.
Select the **Process Remotely** option in the Processing dialog box.

[“Saving Avid DS System Settings” on page 83](#)

Checklist: Removing Avid DS

If you need to uninstall the Avid DS software, you **MUST** first remove any plug-ins or codecs that were installed on your system.



If you uninstall Avid DS before uninstalling the plug-ins, the uninstall procedure will fail.

Follow these steps in the order that they are listed. Each time you link to another topic within a step, make sure you return to the checklist after you have completed that procedure. Use the Previous View button in Adobe Reader to return to the previous topic.

Step
☐ Save existing Avid DS layouts, presets, preferences, toolbars, and key command maps.

Step

- ☐ Remove all the Avid DS plug-ins or codecs.
 - Click the **Start** button, and select **Settings > Control Panel > Add/Remove Programs**.
 - In the Currently Installed Programs list, check for any installed plug-ins.
 - Select the plug-ins one at a time, and click the **Change/Remove** button. Repeat this step until they are all removed.

 *If you cannot remove some plug-ins, continue with the next one until completion, and then manually delete the \Plug-in folder.*
 - ☐ If the Avid DS 32-bit version is installed, uninstall it before uninstalling the other Avid DS components.
 - ☐ Remove the installed drivers and firmware via **Settings > Control Panel > Add/Remove Programs**.
 - ☐ Remove Avid DS.
 - Click the **Start** button, and select **Settings > Control Panel > Add/Remove Programs**.
 - In the Currently Installed Programs list, select the Avid DS software that you want to remove.
 - When the setup program starts, select the **Remove** option, then click **Next**.
 - Select **Yes** to remove all components.
 - When all components are removed, click **Yes** to restart the workstation.
-

Managing a Workgroup

This section describes how to change the controller of a workgroup, connect more workstations, and create a new workgroup.

Adding a Workstation to a Standalone Avid DS Workstation

To connect a new workstation (either Avid DS or Avid DS RP) to a standalone workstation, you need to first set up an Avid DS workgroup. In a workgroup, at least one workstation must be designated as the controller.

If you are connecting an RP workstation, we strongly recommend that you make your RP workstation the controller of the workgroup. This offloads the project indexing tasks from the Avid DS workstation onto a dedicated RP workstation.

Follow the instructions in [“Checklist: Installing Multiple Workstations”](#) on page 24.

Connecting Other Workstations in the Workgroup to the Controller

To connect a new workstation to a workgroup where the controller is already installed, follow the checklist for [“Installing Avid DS on the Appropriate Workstations” on page 25](#).

To connect a workstation with the necessary Avid DS components installed, follow the instructions below.

To connect a standalone workstation to a workgroup:

1. On the workstation that you want to connect to the workgroup, click the **Start** then select **All Programs > Avid > Avid DS v10.x > Configure DS Workgroup**.
2. Click **Join workgroup**.
3. Select **Join a different DS Workgroup**, then click **Next**.
4. In the left pane, select the name of the workgroup on the network, then click **Next**.
5. Validate the User Account and Password to authenticate the Avid indexing services (These must match the Controller User Account and Password entries). Click **Next**.
6. Repeat these steps for any other workstation that you want to connect to the workgroup.

Designating a New Controller for the Workgroup

To designate a different workstation in the workgroup as the controller, first separate the existing controller from the workgroup.

To designate a new controller:

1. Separate the existing controller from the workgroup by following the instructions for [“Separating a Workstation from the Workgroup” on page 35](#).
2. On the workstation that will be the new controller, click the **Start** then select **All Programs > Avid > Avid DS v10.x > Configure DS Workgroup**.
3. Select **Install Avid DS Workgroup Controller**.



Depending on the type of workgroup you are configuring, you may need to select other options in this setup—see [“Installing Avid DS Workstations” on page 18](#).

4. Enter the name of the workgroup.

When the installation is complete, this workstation will be the new controller of the workgroup.

5. You can now connect the other workstations to this workgroup—see [“Connecting Other Workstations in the Workgroup to the Controller” on page 34](#).

Separating a Workstation from the Workgroup

You can separate a workstation from a workgroup to have it work as standalone.

To separate a workstation from the workgroup:

1. On the workstation to be separated, click **Start** then select **All Programs > Avid > Avid DS v10.x > Configure DS Workgroup**.
2. Click **Work standalone** then click **Next**.

Restarting a Workgroup

When restarting all workstations in a workgroup, always start the controller workstation first. Once it is running, then others may be started.

If the controller is the only workstation to be restarted, then one or more of the other client workstations may not remain connected to the workgroup, resulting in access errors. If this happens, restart the client workstation.

Recovering the Avid DS System

The HP xw8600 for Avid DS includes a recovery feature that enables you to restore the system state. The recovery feature restores the operating system (Windows XP x64/SP2) and all required drivers that are installed at Avid's initial shipping configuration.

The first user to log on to the HP workstation will be prompted to create the necessary recovery DVDs and a recovery point, known as the Initial Recovery Point. This Point enables you to perform the recovery at the initial state when the system was built by Avid. All necessary applications, tools, and drivers will be loaded on the DVD, with the exception of the Avid DS software and license.

In the event of a complete system failure, the Avid DS Support Center web site provides details on the recovery process for your particular system.

To recover the initial shipping configuration:

1. Shut down and restart the HP xw8600 workstation.
2. When the HP logo appears, press **F11 once to start the recovery process**.
3. Select **Recover PC to a specific point in time**.
4. Select the Initial Recovery Point 8/20/2008.

1 Installing your Avid DS Environment

5. Select **Recover PC without preserving new and updated files or select the second option which lets you select which folder not to overwrite, preserving new files or folders.**

The recovery process should take about 20 to 30 minutes to complete.

6. When the recovery is complete., click **Restart.**

2 Configuring Avid DS on Avid Unity

This section describes how to install and configure Avid DS on Avid Unity™ for storage purposes.



Do not install any Avid DS software components (such as the indexing services) directly on Avid Unity.

Installing Avid DS with Avid Unity

Each Avid DS workstation connected to Avid Unity MediaNetwork™ requires its own workspace. This workspace is then added to the storage configuration in each Avid DS workstation. For more information on configuring the workspaces and setting permissions on the Avid Unity, refer to your Avid Unity MediaNetwork® documentation.

Checklist: Installing Avid DS with Avid Unity

Step	Refer to
☐ Install all Avid DS client workstations.	“Installing your Avid DS Environment” on page 17.
☐ Install Avid Unity MediaNetwork client software on each Avid DS workstation that is connected to Avid Unity.	Avid Unity MediaNetwork documentation.
☐ Install the latest updates for the Avid Unity MediaNetwork software (if any). Follow the online instructions to install this software update, then reboot your workstation.	Avid Download Center www.avid.com/support/downloadcenter/index.asp
☐ On the Avid Unity, create a video workspace and an audio workspace for each Avid DS workstation (the RP workstation does not need a workspace). Important: Do NOT use the Unity Connection Manager to connect the Unity workspaces for Avid DS.	Avid Unity MediaNetwork documentation.
☐ Use the Administration Tool to assign the permissions on each workspace. If some workstations need to share media, you can assign permissions for these workstations on the appropriate workspaces. (You should also give the RP workstations permission to each workspace).	Avid Unity MediaNetwork documentation.
☐ In Avid DS, use the Storage Configuration tool to add a Unity storage connection to your local indexing service. Important: Do NOT use a drive letter, instead browse the network to the Avid Unity server, using only a UNC path to access your media folder on Avid Unity.	“Managing Your Storage Areas” on page 95.

Configuration and Hardware Requirements

On Avid Unity MediaNetwork and ISIS, the Avid Media Indexing Service does not retain its media list content if the workstation hosting this service is rebooted. This is a known limitation.

When an Avid DS workstation connected to Avid Unity is rebooted, the Avid Media Indexing Service automatically scans and indexes all of the Avid DS-defined Unity storages. The indexing will take as much time as it needs to validate the many files the Allocation group and Workspaces used for the DS audio and video media files.



Since Avid DS v7.6, QFE 4, a code modification has been implemented to keep the media online but actual media verification occurs in the background to validate the media table. This allows the editor to work but it still prevents basic media management that depends on the Avid Media Indexing Service, such as purging and archiving.

The recommended solution to this limitation is to add an additional Unity Client system and install a standalone Avid Media Indexer. The Indexer will scan the Unity storage and relay the index table to the Avid DS client. The service can easily be configured from any Avid DS workstation. Whenever the Avid DS workstation is rebooted, the index remains ready on the Unity Client system.

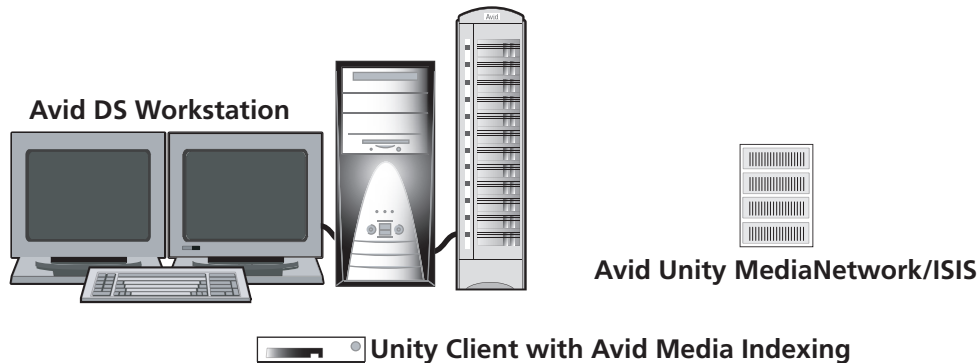
Examples of Setup Scenarios

The following are the scenarios of the most common configurations:

- Scenario 1: One Avid DS Workstation on Avid Unity MediaNetwork/ISIS
- Scenario 2: One Avid DS Workstation and One Avid DS RP Workstation on Avid Unity MediaNetwork/ISIS
- Scenario 3: One Avid DS Workstation or One Workstation with Avid DS Only on Avid Unity MediaNetwork/ISIS

Scenario 1: One Avid DS Workstation on Avid Unity MediaNetwork/ISIS

In this configuration, the Avid Project Indexer can be set up either on the Avid DS workstation or the Unity client.



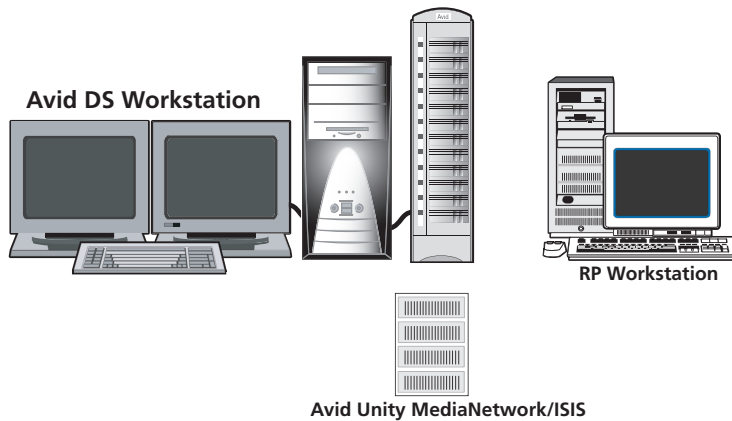
Scenario 2: One Avid DS Workstation and One Avid DS RP Workstation on Avid Unity MediaNetwork/ISIS

In this configuration, the Avid DS workstation and Avid DS RP are connected as Unity clients. Avid Media Indexer is used to index the media files and table contents.

Avid Interplay Media Indexer and Avid Throttle Manager are installed on the Avid DS RP workstation. Avid Interplay Media Indexer must be installed on a system running Windows XP Professional x86.



Avid Throttle Manager is not required on Avid Unity ISIS.

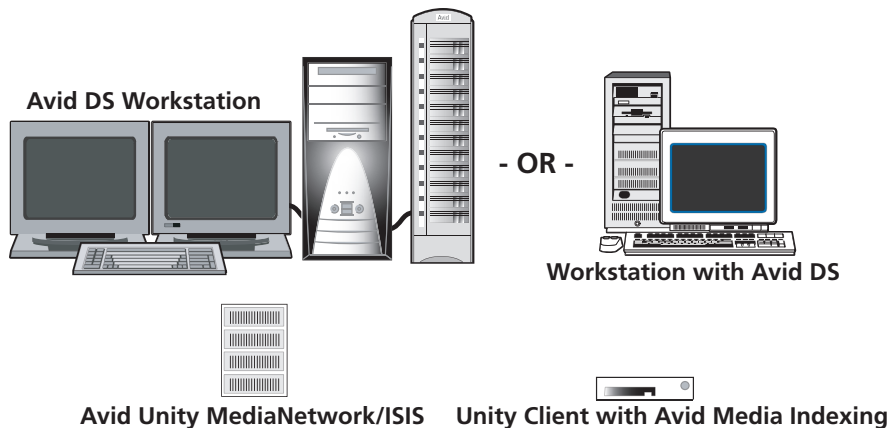


Scenario 3: One Avid DS Workstation or One Workstation with Avid DS Only on Avid Unity MediaNetwork/ISIS

In this configuration, the Avid Media Indexing Service of both the Avid DS workstation and the workstation running Avid DS are reading the Unity Client system.

The Avid Project Indexer should be installed on the Unity Client system.

 *Avid Interplay Media Services (formerly DMS Broker) and Avid Throttle Manager are not required with this configuration because no Avid DS RP is installed.*



2 Configuring Avid DS on Avid Unity

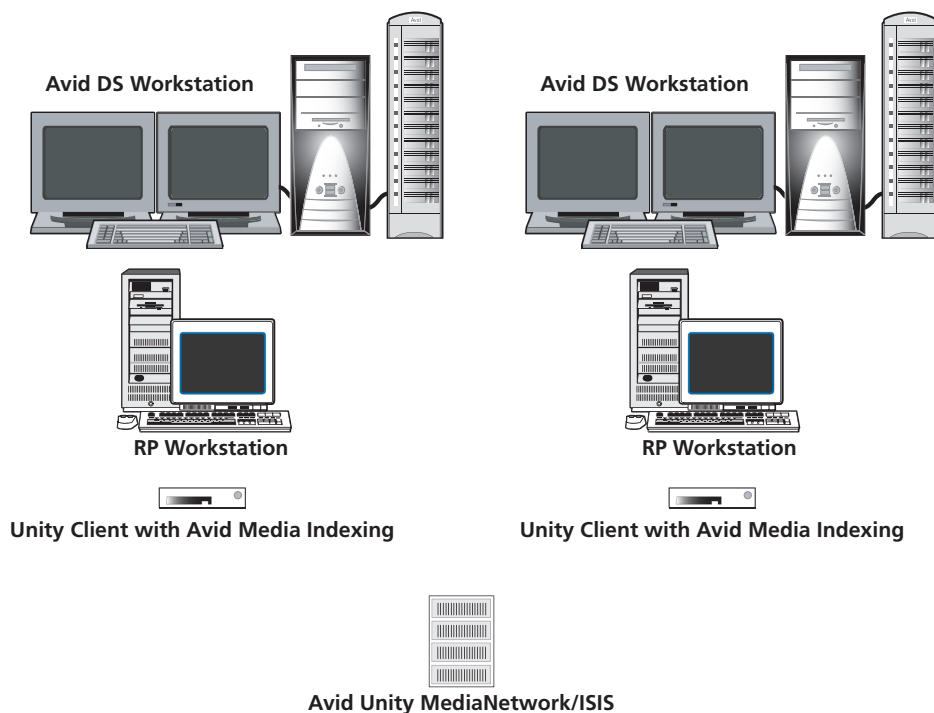
Scenario 4: Multiple Avid DS and Avid DS RP Workstations on Avid Unity MediaNetwork/ISIS

In this configuration, the Avid Media Indexing Service of both Avid DS workstations read the Avid Media Indexing Service media table content from the Unity Client system.

The Avid DS RP accesses the media table content via the Avid DS workstations. Avid DS RP gets the media table content by reading the imported sequence data from the Avid DS workstation that issued the remote processing request and finds the media using the Avid Media Indexing Service list on the Avid DS workstation. The Avid DS workstation reads the master Avid Media Indexing Service from the Unity Client, and in turn the Avid DS RP uses this information to find the stored audio and video.

One of the Unity Client systems is used by the Avid Media Indexing Service to index the Unity storage. The second Unity client system hosts the Avid Project Indexer and Avid Interplay Media Indexer.

Avid Throttle Manager can be installed on either of the Unity Client systems.



Configuring the Avid DS Media Storage on Avid Unity MediaNetwork

The Connection Manager should be left active on the Avid Unity Client workstations. The utility will automatically map letters (or UNC paths in recent releases) and authenticate the specific user accounts listed in the Avid Unity Engine.

Although you should leave the Connection Manager running for account authentication, the letter mapping should not be used as a way to mount Avid DS storages. You must continue to set these storages from the Avid DS Data Management > Configure Storages... setup dialog. In Avid DS, the Avid Media Indexing Service will refer to the computer name hosting the Avid Media Indexer, thus offloading the Avid DS workstation from the media indexing task.



Note that you cannot leave the Avid DS local Media Indexing Service list empty, otherwise Avid DS will report missing audio and video storages every time you start the application. Set audio and video storages in the local Avid Media Indexing Service and tag them clearly to avoid accidental local capture or processing.

Preparing to Configure Avid DS Storage

To configure the Avid Unity MediaNetwork storage:

1. Under Data Management, select **Configure Storage**.
2. Select the Avid Media Indexing Service and click **Change**.
3. Select the computer name hosting the remote Avid Media Indexer and click **Change**.
4. In Media Storage Configuration, click **Add**.
5. In Available Storages Types, select **Avid Media Storage**.
6. Enter the full UNC path name, or use the browse (...) button to find it.



UNC is a network path, such as \\Unity\Allocation\Workspace\Video.

7. Browse to the allocation and workspace.



If Avid DS media folders do not exist for audio and video, create them from the Avid Unity MediaNetwork File Manager. If you set the Avid DS storages at the root of the Avid Unity workspace, the storage will not perform as realtime

8. Repeat these steps for all required Avid DS storage.
9. When finished, close all configuration dialog boxes.

2 Configuring Avid DS on Avid Unity

The Avid Media Indexer will immediately start indexing existing material on the storages. In an empty storage, this operation is quick but on storages with existing media files, the process can take several minutes.

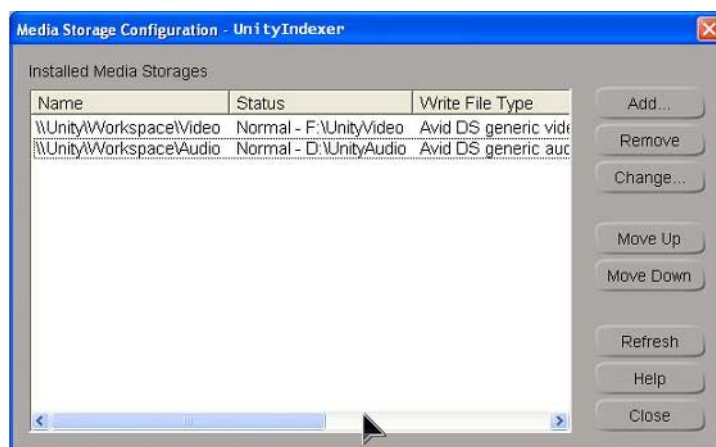
The figure following shows the storage configuration for Unity media workspaces.

The Name column displays the UNC path (computer name-folder).

The Status column displays the storage status and Connection Manager mapping.



The Avid Unity MediaNetwork Connection Manager and ISIS Client Manager can now mount the workspace as UNC paths instead of drive letters. This option is recommended for Avid DS.



Connecting an Avid DS Workstation to a Remote Avid Unity Storage

This section describes the procedure for connecting a local Avid DS Media Indexer to a remote Avid Unity dedicated Media Indexing Service on all Avid DS workstations (except those running Avid DS RP).

To connect a local Media Indexer to a remote Avid Unity Media Indexing Service:

1. In Avid DS, select **Data Management** then select **Configure Storages...**
2. Select the listed Avid Media Indexing Service, then click **Change...**
3. In the Installed Media Storages window, click **Add...** Exit all dialog boxes.
4. In the Available Storage Types window, select **Avid Media Indexing Service**.
5. From the drop-down list, select the Avid Media Indexing Service of your choice.
6. Exit all windows.

3 Configuring Windows XP

Avid DS is supported on both Windows XP Professional and Windows Professional x64 Edition.

Configuring the Network Connection

- For a standalone Avid DS workstation with no network connection—see [“Installing the Microsoft Loopback Adapter on a Standalone Station” on page 49](#). This simulates an active network connection.
- For a Microsoft Windows domain: Perform steps 1 to 5 following to set up network connections on each of the workstations.
- For a Microsoft Windows workgroup: Perform all the steps following to set up network connections on each of the workstations.



The Avid Project Indexer will not operate correctly if the network adapter or connection is not set properly.

To configure the network connection on Windows XP:

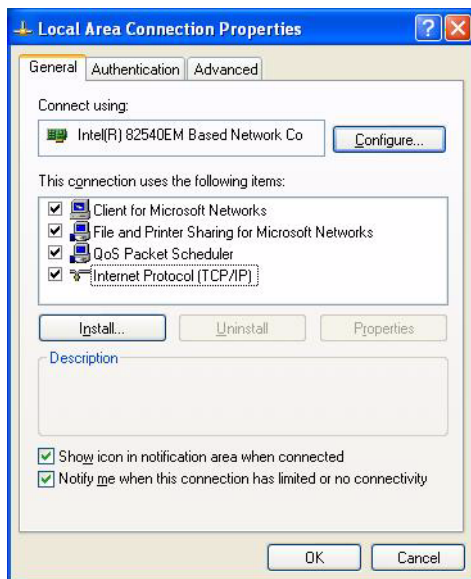
1. On the Windows desktop, right-click the **My Network Places** icon and select **Properties**.

The following window displays.



2. Right-click the **Local Area Connection** icon, then click **Properties**.

The Local Area Connection Properties dialog box displays.



The TCP/IP network protocol must always appear in the list of protocols.

3. Double-click **Internet Protocol (TCP/IP)** to display the Internet Protocol (TCP/IP) Properties dialog box.
4. Do one of the following:
 - ▶ **Windows workgroup:** Select the **Use the following IP address** option, enter the IP address, Subnet mask, and if required, the Default gateway address.
 - ▶ **Windows domain:** Select the **Obtain an IP address automatically** option.
5. Click **OK**.
6. Repeat steps 1 to 5 for each workstation in the workgroup.

To confirm that all workstations are part of the workgroup:

1. On the Windows desktop, double-click the **My Network Places** icon.
2. Click **View Workgroup Computers**.

All the workstations in the workgroup should be listed. If not, restart the workstation to reinitialize the network adapter card.

Using Two Network Cards

If any of the workstations in a workgroup are configured with two active network cards, the Avid indexing services require small modifications to work properly.

To configure the network cards:

1. Open Windows Notepad, then open the file **C:\WINDOWS\slp.conf**.

Depending on the system setup, the drive may not be C:

2. Locate this line at the bottom of the file:

```
net.slp.isBroadcastOnly = false
```

3. Change 'false' to 'true'.
4. Save the file and restart the workstation to reset the indexing services.

If the Avid DS RP workstation chooses the slower network adapter for processing, you can force Windows to use the fastest network adapter by doing the following:

5. Open Windows Notepad, then open the file **C:\WINDOWS\system32\drivers\ETC\HOSTS**.

6. Locate this default line at the bottom of the file.

```
127.0.0.1 localhost
```

7. Under the default line, declare the fast network adapter IP Address and computer name (example: 200.200.200.1 DS1).
8. Save the file and restart the workstation.

If that does not resolve the problem, open a Command Prompt window, type **ROUTE PRINT** and press Enter.

The result should display your two network adapters' IP addresses. If you see only one address returned, you have a networking conflict to resolve.

Do not use the same IP class for both adapters. For example, the following is *not* valid:

```
100.100.100.1 and 100.100.100.2
```

The following *is* valid:

```
100.100.100.1 and 200.200.200.1
```

Installing the Microsoft Loopback Adapter on a Standalone Station

If an Avid DS workstation will not be operating on a network, the Microsoft Loopback adapter must be installed and configured with a static IP address.

Before you begin, make sure that your workstation is disconnected from any network:

- the Local Area connection must be disabled (click Network Connections desktop icon),
- the network cable must be disconnected.

To install the Microsoft Loopback adapter:

1. Go to the Control Panel and double-click the **Add Hardware** icon.
The Welcome to the Add Hardware Wizard displays.
2. Click **Next**.
The wizard searches for installed components.
3. Select the **Yes, I have already connected the hardware** option then click **Next**.
4. In the Installed hardware list box, select **Add a new hardware device** then click **Next**.
5. Select **Install the hardware that I manually select from a list (Advanced)** then click **Next**.
6. In the Common hardware types list box, select **Network Adapters** then click **Next**.
7. In the Manufacturers list box, select **Microsoft**, then in the Network Adapter list box select **Microsoft Loopback Adapter**, then click **Next**.
8. Click the **Next** button again, then click **Finish**.

To test the Microsoft LoopBack adapter:

- ▶ In a Command Prompt window, type `PING "computername"` (where *computername* is the name of the workstation).

The result should be:

```
Reply from 127.0.0.1: bytes=32 time<1ms TTL=128
```



127.0.0.1 is the standard IP address used for a loopback network connection.

Managing Microsoft Windows Workgroup Accounts

A workgroup configuration is usually most appropriate for smaller facilities. The only difference is between a workgroup and a domain is that the Windows account management for a workgroup is decentralized and requires more complicated security configurations for the Avid DS software components.

To setup the Avid DS workgroup operating within a Windows workgroup:

1. When setting up accounts, log on with the local administrator account. For example:
administrator or <computer_name>\administrator



After you log on for the first time, you must set a password for the administrator account.

2. Create a user account for each user on each Avid DS workstation. Each account must have the same username and password on all workstations.

For example:

If the Windows workgroup is called POST, and if Alice, Bob, and Charlie are Avid DS operators, the following accounts must be created on every workstation in the workgroup:

Alice
Bob
Charlie

3. Add each user account to the **Administrators** group, on each workstations in the workgroup.

For example:

To add a new user to the workgroup, create a new user account on *each* workstation, and add this account to the Administrators group on *each* workstation.

To remove an existing user from the workgroup, remove the user from the Administrators group on *each* workstation and disable the user account.

4. Enter a unique name for each workstation in the workgroup—see [“Naming a Workstation” on page 51](#).
5. Configure the network connection on each workstation—see [“Configuring the Network Connection” on page 46](#).

Managing Microsoft Windows Domain Accounts

A domain configuration is most appropriate for facilities where the Avid DS workstations are part of a corporate network. In a domain, the Windows account management is centralized and simplifies security configuration of all the Avid DS software components.

To setup an Avid DS workgroup operating within a Windows domain:

1. When setting up accounts, log on with a valid domain and user account with local administrative privileges (<domain_name>\userid)
2. Create a user account for each user within the domain.

For example:

If the workgroup belongs to a domain called POST, and if Alice, Bob, and Charlie are Avid DS operators, then the following accounts must be created:

POST\Alice
POST\Bob
POST\Charlie

Domain accounts must be set up by network administration personnel. Avid does not provide nor support domain networking issues, as network environments differ from one company to the next.

3. Add each user account to the **Administrators** group on each workstation in the domain.

The administrators group is the local administrator of the workstation, not the Domain administrator. The Avid DS services and hardware require administrative privileges to run on Windows.

4. Add new users and remove existing users from the workgroup

For example:

To give a new user, Karen, access to the workgroup, create a new account POST\Karen and add this account to the Administrators group on *each* workstation in the domain.

To remove a user, Bob, from the workgroup, remove POST\Bob from the Administrators group and disable the account.

5. Ensure there is a proper network connection on each workstation. The network administrator should perform this step.

Naming a Workstation

If a workstation belongs to a Windows workgroup, it should be given a unique name. Likewise, the workstation, the Windows workgroup, and the Avid DS workgroup should each have a unique name.

To set a workstation name on Windows XP:

1. Click the **Start** button then select **Settings > Control Panel**.
2. Double-click the **System** icon.
3. Select the **Network Identification** tab, then click **Properties**.
4. Under **Computer Name**, type in a unique name.
5. Select Member of: **Workgroup**.
6. For the workgroup name, type **Workgroup** or a unique name.



The workgroup name must be the same on all workstations.

Sharing Folders and Setting Permissions

The Avid DS Setup program creates folders for project data and media files. By default, these folders inherit security permissions from the parent folder. In a default installation, these folders are shared, and the default permissions give full access to everyone.

These permissions may be changed as needed:

Shared folder name	Shared path	Description
\DS_Projects	F:\DS Projects\DS_v10.x	Avid DS project folder
\ds_media	D:\VideoStorage	Avid DS media storage
\ds_media_1	F:\AudioStorage	Avid DS media storage

If a user creates new media folders or stores project data in other folders, then Avid DS automatically shares those folders. The share permissions and security of these folders should also be verified.

For media and project folders, if permissions are not set properly on the share or the folder, you will get an error message.

Sharing Folders in a Windows Workgroup

To disable simple file sharing:

1. Open an Explorer window and select **Tools** from the menu.
2. Select **Folder Options**.
3. Select the **View** tab.

4. Under **Advanced Settings**, deselect **Use simple file sharing (Recommended)**.
5. Click **Apply**, and then **OK** to exit.

Now you can share folders over the network.

To set folder permissions:

1. Right-click the folder and select **Properties**.
2. In the Sharing tab, select the **Share this folder** option.
3. Enter the Share name.
4. Enter a comment: 'Avid DS project for shared projects; DS Media storage for shared media'.
5. Click **Permissions**.
6. Select the **Full Control** check box, then click **Apply** and **OK**.

Storing Projects



Do not store or create projects outside an existing DS Projects folder.



F:\projectname is not valid

Projects must be stored in a valid location, within an existing DS Projects folder.

- Valid storage locations:
 - F:\DS Projects\projectname (where F:\DS Projects is shared)
 - F:\DS Projects\DS_v10.x\projectname (where F:\DS Projects\DS_v10.x is shared)

Invalid storage locations:

- F:\projectname is invalid. A project cannot be located at the root of a drive.

The Avid Project Indexer does not allow a shared project folder to reside within another shared project folder. An error message from the indexer will appear if this is done.

Sharing Folders in a Windows Domain

To share folders and set permissions on a computer that is part of a Windows domain:

1. In Windows Explorer, right-click the folder and select **Sharing and Security**.
2. Select **Share this folder**, and click the **Permissions** button.
3. Select **Full Control**, then click **Apply** and **OK**.
4. Add the user that runs the Project Indexer and allow full control.

Creating User Accounts

You can change your password, and create and modify user accounts by accessing the Windows XP Computer Management console, which lets you define security features, such as permissions, rights, accounts, user groups, and audit policies.

Avid recommends that all users within an Avid DS workgroup have accounts in the Administrators group on each workstation in the workgroup.

When creating a user account, note whether the workstation is part of a Windows workgroup or a domain network.

- If it is part of a Windows workgroup, log on with the local administrator account.

For example: **administrator** or **computer_name\administrator**



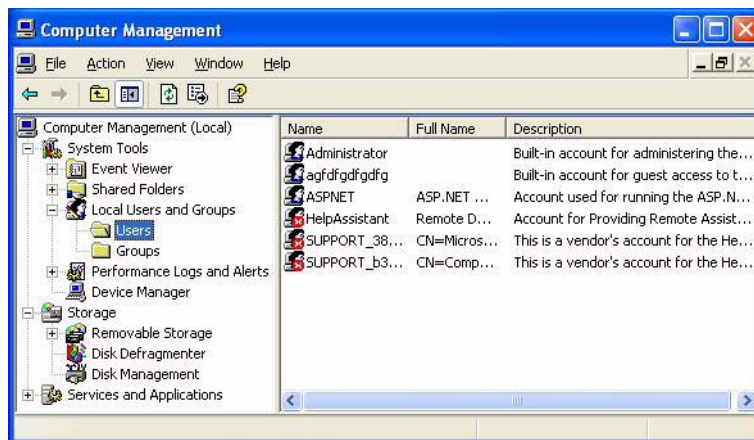
The administrator account must have a password.

- If it is part of a Windows domain, log on with a valid domain and user account with local administrative privileges.

For example: **domain_name\userid\userid**

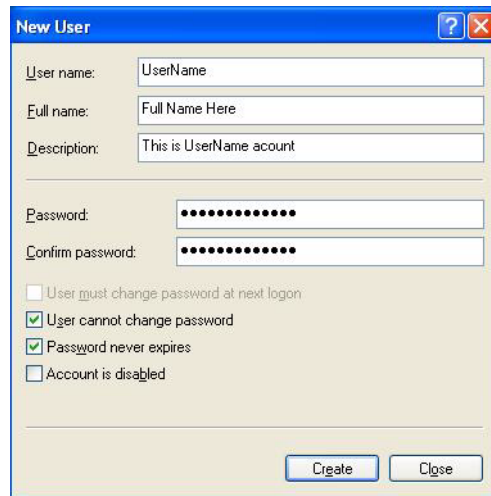
To create a user account:

1. On the Windows desktop, right-click the **My Computer** icon and select **Manage**.
The Computer Management dialog box displays.



2. In the left pane use the tree to navigate to **System Tools > Local Users and Groups > Users**.
3. Right-click **Users** the select **New User**.

The New User dialog box displays.



4. Enter the new user information, then click **Create**.
5. Repeat step 4 for each new user to be added. When done, click **Close**.

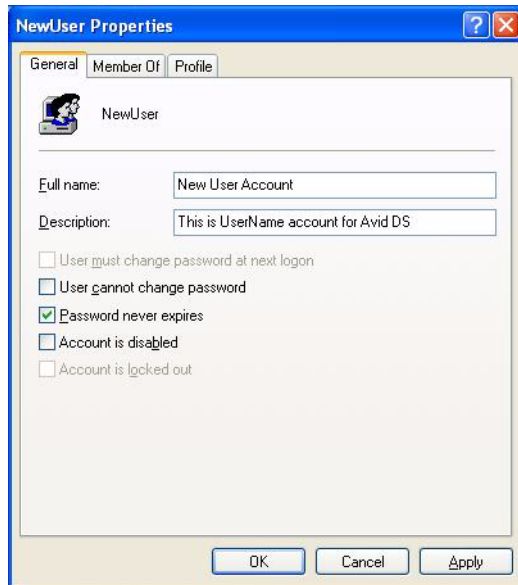
The new user accounts display in the Computer Management console.

To modify an account:

1. In the Computer Management console, navigate to **System Tools > Local Users and Groups > Users**.
2. Double-click the user account you want to edit.

The Properties dialog box for this user account displays.

3 Configuring Windows XP



3. Select the **General** tab to specify password options.
4. Select the **Member Of** tab to add the user to groups.



All Avid DS users must be members of the Administrators group.

5. When done, click **OK**.

4 Installing Avid DS Software and Services

This section describes how to install the various Avid DS products and services.

Overview: Avid DS Software & Drivers DVD

The Avid DS Software & Drivers DVD contains the following:

Software	• Avid DS 64-bit • Avid DS 32-bit • Avid Metafuze
Drivers	• HP xw8600 - Dual-Link • HP xw8400 - Nitris and Dual-Link • HP xw9300 - Nitris and Dual-Link • HP xw8200 - Nitris • Software/RP workstation only
Services	Avid Interplay Media Services
Codec	AVI Reference Codec
Documentation	• ReadMe • Avid DS System Setup Guide • Avid DS Install Guide • Avid DS Online Editor's Guide



You will need Adobe® Reader® to view the PDF documentation online. You can download the latest version from the Adobe web site at www.adobe.com.

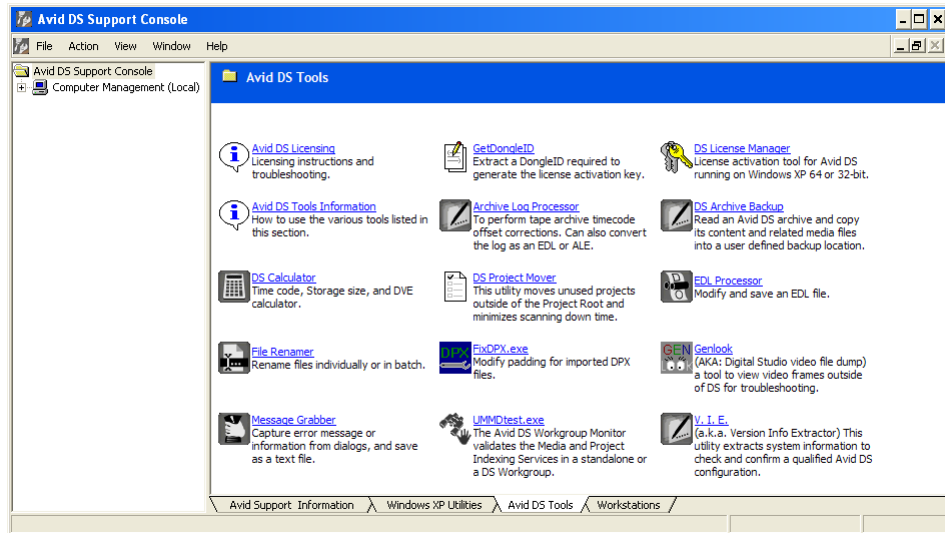


Before you begin installing Avid DS, all the operating system updates, required device drivers, and the stripe volume (for local storage), must be configured correctly—see “Installing your Avid DS Environment” on page 17.

The Avid DS Support Console

When Avid DS v10 is installed, two shortcuts are placed on the desktop, one for the Avid DS application, the other for the Avid DS v10 Support Console.

The Support Console provides quick links to the various Avid support functions and tools.



There are four tabs in the Avid DS Support Console window:

Tab	Features
Avid Support Information	Contains links to the Avid Technologies web site, Avid Customer Support, and the Avid Community.
Windows XP Utilities	Contains links to the most frequently used Windows XP utilities.
Avid DS Tools	Contains links to a variety of Avid DS tools.
Workstations	Contains links to the HP support sites for the HP xw8600, HP xw8400, HP xw9300, and HP xw8200 workstations

Installing Avid DS Software Components

To install Avid DS, you must log on with an account that has Administrator privileges.

Uninstalling Avid DS

If a previous version of Avid DS is installed, it must be removed before the latest version can be installed.

To uninstall Avid DS:

1. Click **Start** and select **Settings > Control Panel > Add or Remove Programs**.
2. In the Currently installed programs list, select the Avid DS software version you want to remove, then click **Remove**.
3. In the Avid DS Setup dialog box, select the **Remove** option, then click **Next**.
A Confirm Uninstall dialog box displays.
4. Click **Yes** to continue with the uninstall.
5. When the uninstall is done, click **Finish**.

The Uninstall program removes the original Avid DS application files, but leaves some residual files such as your deck templates and user preferences. If you want to reuse any of these remaining files, you should copy them to the updated version folder(s) after the latest version has been installed

Installing Avid DS Software on a Standalone Workstation

Follow this procedure to install the Avid DS software on a standalone workstation. This procedure applies to both 32-bit- and 64-bit-systems. Before you start the installation, see the ReadMe.

When the installation starts, the program detects the configuration of the workstation (32- or 64-bit). You can install only the appropriate version of the software.



For a standalone Avid DS workstation you need to install only the Avid DS software. The workstation functions as its own controller and media indexing service.

*During the installation, you can use the **Back** button to return to previous dialog boxes.*

To install Avid DS software on a standalone workstation:

1. Use the Avid DS Software & Drivers DVD, or download the Avid DS software from the Avid Download Center at www.avid.com/support/downloadcenter/index.asp.
2. Double-click the **Start.exe** file.

The Main Menu displays.

3. Click **Software Installation**.
4. Click **Install Avid DS 64-bit** or **Install Avid DS 32-bit**.

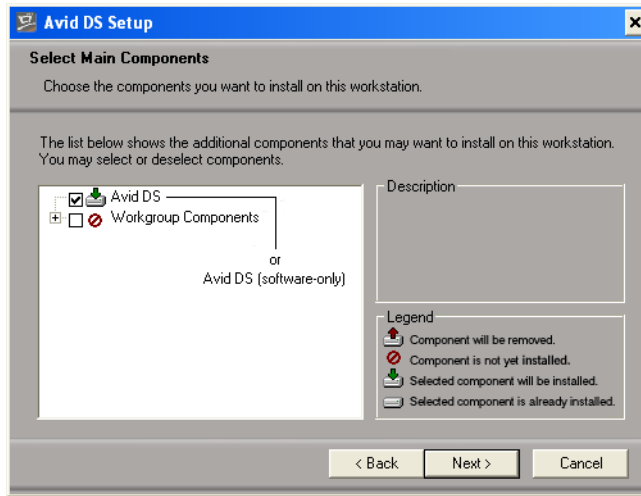
The Avid DS Setup Wizard displays.



5. Click **Next**.

The Select Main Components dialog box displays. The Avid DS check box is selected by default. If this is a software-only installation, the Avid DS (software-only) check box is selected.

4 Installing Avid DS Software and Services



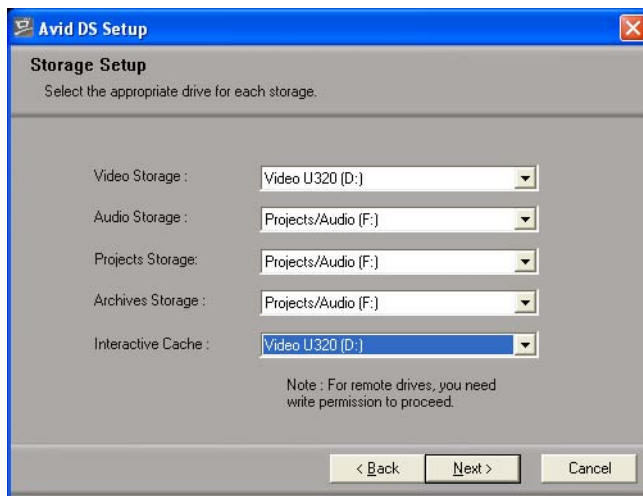
6. Click **Next**.
7. In the License Agreement dialog box, read the End User License Agreement, accept the terms of the agreement, then click **Next**.
8. In the Customer Information dialog box, enter a user name and your company name, then click **Next**. This information is required.
9. In the Reseller or Dealer Information dialog box, enter the requested information, if applicable, then click **Next**. This information is optional.
10. In the Choose Destination Location dialog box, click **Next** to install the software in the default destination folder.
11. In the Avid DS Workgroup Configuration dialog box, click **Work standalone**, then click **Next**.
12. In the Avid DS Service Configuration dialog box, enter the login profile of the user account that will run the Avid DS services on this workstation, then click **Next**.

You must specify the computer name before the user id (e.g., *computer_name\userid*).



If your workstation is part of a Windows domain, specify the domain name before the user id (domain_name\userid).

13. In the Storage Setup dialog box, the default storage locations are selected.



*If you are connected to Avid Unity, select **None** even if it is available in this list. It will be added later via the Storage Configuration dialog in Avid DS (using the full UNC path name).*

- **Video Storage:** Select the drive letter for your video media.
 - **Audio Storage:** Select the drive letter for your audio media.
 - **Projects Storage:** Select the drive letter for your projects and presets storage area.
 - **Archives Storage:** Select the drive letter for your archives storage area.
 - **Interactive Cache:** Select the drive letter for your interactive cache storage area.
The interactive cache location must be either one of the local video storage drives, or a drive partition other than your local system partition (An RP workstation will also return processed media to this location).
14. To change the storage locations, use the drop-down lists, then click **Next**.
The Select Additional Components dialog box displays to show additional components you can install.
 15. When the Start Copying Files dialog box displays, review your installation settings, then click **Next**.
A progress indicator displays while the Avid DS files are copied to your system.
 16. When the InstallShield Wizard Complete displays, click **Finish**.
 17. Close the Avid DS Setup window by clicking the close button in the top-right corner.
 18. Restart your workstation if prompted.

Installing for a Workgroup

Follow this procedure to install Avid DS on a workstation in a workgroup. Before you start the installation, see the ReadMe.



*During the installation, you can use the **Back** button to return to previous dialog boxes.*

To add a workstation to a workgroup:

1. Use the Avid DS Software & Drivers DVD, or download the Avid DS software from the Avid Download Center at www.avid.com/support/downloadcenter/index.asp.

2. Double-click the **Start.exe** file.

The Main Menu displays.

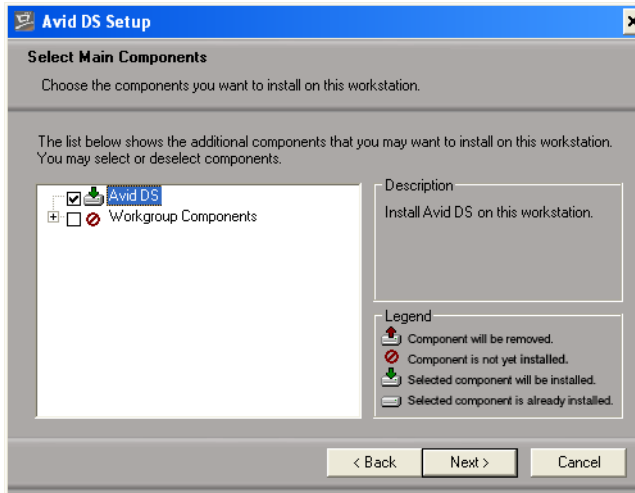
3. Click **Software Installation**.

4. Click **Install Avid DS 64-bit** or **Install Avid DS 32-bit**.

The Welcome dialog box displays.

5. Click **Next**.

The Select Main Components dialog box displays. The Avid DS check box is selected.



6. In the Workgroup Components tree, select the components to be installed.

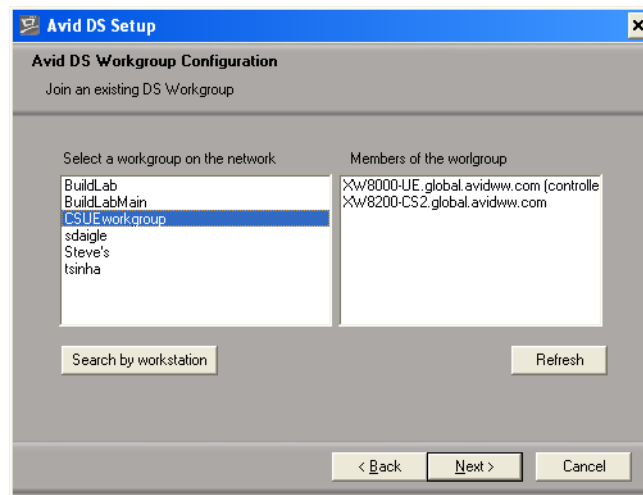
Refer to the Legend for an explanation of the icons that appear beside selected components.



If you deselect a component that is already installed, it will be removed.

7. When done, click **Next**.
8. In the Avid DS Workgroup Configuration dialog box, click **Join workgroup**, then click **Next**.

The Avid DS Workgroup Configuration dialog box displays. Existing workgroups are shown in the left pane. When you select a workgroup, the workstations in the selected workgroup are shown in the right pane.



9. In the left pane, select a workgroup to join, then click **Next**.
 10. In the Avid DS Service Configuration dialog box, enter the login profile of the user account that will run the Avid DS services on this workstation, then click **Next**.
- You must specify the computer name before the user id (that is, *computer_name\userid*).



If your workstation is part of a Windows domain, specify the domain name before the user id (domain_name\userid).

11. When the Start Copying Files dialog box displays, review your installation settings, then click **Next**.
- A progress indicator displays while the Avid DS files are copied to your system.
12. When the Maintenance Complete dialog box displays, click **Finish**.
 13. Close the Avid DS Setup window by clicking the close button in the top-right corner.
 14. Restart the workstation if prompted.

Installing the Avid DS Controller

Follow this procedure to install the Avid DS workgroup controller. To install the controller, you must log on with an account that has Administrator privileges.

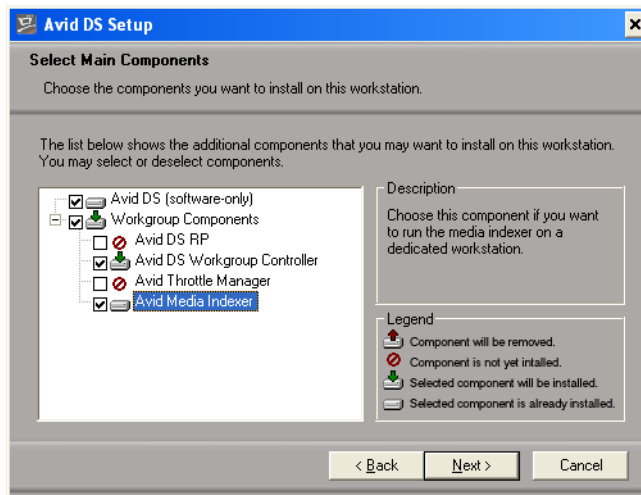


If Avid DS is installed on the workstation where the workgroup controller will be installed, it must be removed before the controller is installed. See “Uninstalling Avid DS” on page 60.

To install the workgroup controller:

1. Use the Avid DS Software & Drivers DVD, or download the Avid DS software from the Avid Download Center at www.avid.com/support/downloadcenter/index.asp.
2. Double-click the **Start.exe** file and from the Main Menu, click **Software Installation**.
3. Click **Install Avid DS 64-bit** or **Install Avid DS 32-bit**.
4. In the Welcome dialog box, click **Next**.

The Select Main Components dialog box displays.



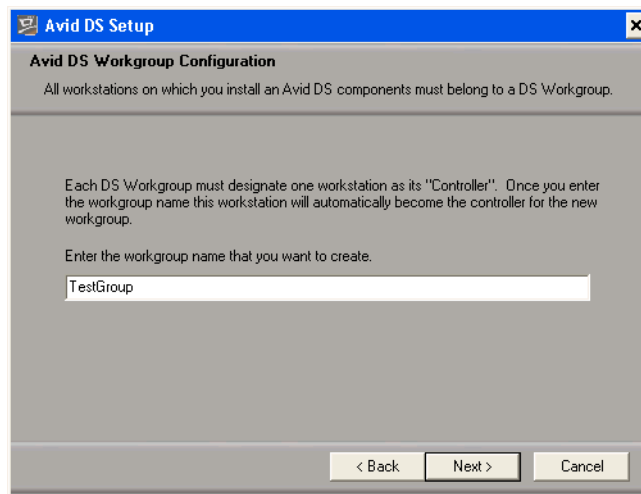
5. In the **Workgroup Components** tree, select the **Avid Workgroup Controller** check box.

The other software components that can be installed on the controller are:

- Avid DS RP—see “[Installing Avid DS RP](#)” on page 88.
- Avid Throttle Manager—The Throttle Manager is required only if there is an Avid DS RP workstation in the workgroup—see “[Avid Throttle Manager](#)” on page 92.
- Avid Media Indexer

6. When done, click **Next**.
7. In the License Agreement dialog box, read the End User License Agreement and accept the terms of the agreement to continue the installation.
8. In the Customer Information dialog box, enter your name and company name, then click **Next**. This information is required.
9. In the Reseller or Dealer Information dialog box, enter the requested information then click **Next**. This information is optional.
10. Choose the default destination location to install any Avid DS software, then click **Next**.

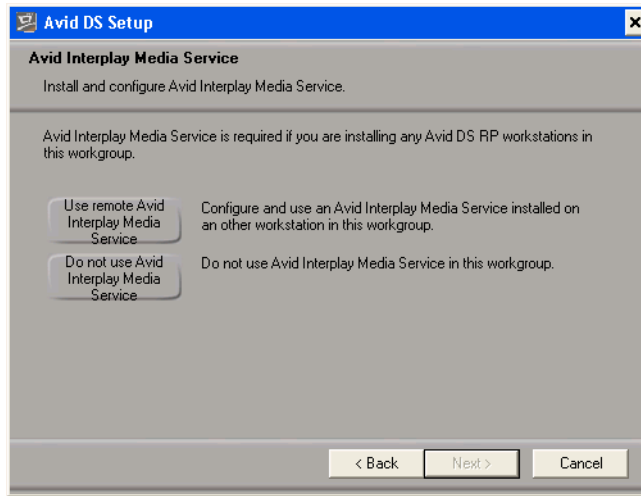
The Avid DS Workgroup Configuration dialog box displays. If this is the first time that the controller software has been installed on this workstation, enter a workgroup name.



11. Click **Next**.

The Avid Interplay Media Service dialog box displays.

4 Installing Avid DS Software and Services



12. Select an option:

If you want to use Avid Interplay Media Service:

- a. Click **Use remote Avid Interplay Media Service** to use the Avid Interplay Media Service installed on another workstation in the workgroup, then click **Next**. The Avid Interplay Media Service Configuration dialog box displays.
- b. Enter the required details in the text box, or leave the text box blank if you will configure it later, then click **Next**.

If you do not want to use Avid Interplay Media Service:

- a. Click **Do not use Avid Interplay Media Service**, then click **Next**. The Avid DS Service Configuration dialog box displays.

13. Enter the login profile (*computer name_user id*) of the user account that will run the Avid DS services on this workstation, then click **Next**.



If the workstation is part of a Windows domain, specify the domain name before the user id (domain_name\userid).

14. In the next Avid DS Service Configuration dialog box, determine the users or groups that will have access to the Avid DS services

- ▶ **To add a new user or group:** Click **Add**. In the Add Users and Groups dialog box, enter the user ID(s)/group names, select the access type, then click **OK**.
- ▶ **To remove a user or group:** Select from the list, then click **Remove**, or **Remove All**.
- ▶ **To change user or group privileges:** Select from the list, then select from the **Type of Access** drop-down list.

15. Click **Next**.
16. When the Storage Setup dialog box displays, accept the default settings, then click **Next**.
17. In the Select Additional Components dialog box, select any additional components that you need to install, then click **Next**.
18. When the Start Copying Files dialog box displays, review your installation settings, then click **Next**.
A progress indicator displays while the Avid DS files are copied to your system.
19. When the InstallShield Wizard Complete displays, click **Finish**.

Installing Avid Interplay Media Service and Related Applications

In this release of Avid DS, the DMS Broker application has been replaced by Avid Interplay Media Services. Before installing the Avid Interplay Media Services, several preparatory procedures have to be performed.

It is important that these preparatory procedures be performed in the correct order, and that none of the procedures be omitted, otherwise the install will fail.



If DMS Broker is not installed on your system, start with “Installing Internet Information Services” on page 70.

Uninstalling DMS Broker v2.1

If DMS Broker v2.1 is installed on the workstation where Avid Interplay Media Service will be installed, it must be removed before you proceed with the new installation. Java v1.2.2 should also be removed from the Control Panel, as the Avid DS v10.x uses Java v1.5.

To uninstall DMS Broker v2.1:

1. Click **Start** and select **Settings > Control Panel > Add or Remove Programs**.
2. In the Currently installed programs list, select Avid DMS Broker, then click **Change/Remove**.
3. In the Avid DS Setup dialog box, select the **Remove** option, then click **Next**.
A Confirm Uninstall dialog box displays.
4. Click **Yes** to continue with the uninstall.
5. When the uninstall is done, click **Finish**, then restart the workstation.

4 Installing Avid DS Software and Services

To remove Java v1.2.2:

- Open Control Panel and delete the **Java** folder.

To remove residual Avid DS files:

1. Browse to the **C:\Program Files\Avid** folder.
2. Delete the **ProEncode** folder.

Uninstalling DMS Broker v5.0

If DMS Broker v5.0 is installed on the workstation where Avid Interplay Media Service will be installed, it must be removed before you proceed with the new installation. As well, the Java RunTime Environment SE v1.4.2_08, Microsoft SQL Server Desktop Engine, and residual Avid DS files have to be removed

To uninstall DMS Broker v5.0:

1. Click **Start** and select **Settings > Control Panel > Add or Remove Programs**.
2. In the Currently installed programs list, select **Avid DMS Broker**, then click **Change/Remove**.
3. In the Avid DS Setup dialog box, select the **Remove** option, then click **Next**.
A Confirm Uninstall dialog box displays.
4. Click **Yes** to continue with the uninstall.
5. Repeat steps 2 to 4 for Java 2 Runtime Environment SE V1.4.2_08.
6. When the uninstall is done, click **Finish**, then restart the workstation.

To remove residual Avid DS files:

1. Browse to the **C:\Program Files\Avid** folder and delete the **DMS** folder.
2. Browse to **C:\Program Files** and delete the **Microsoft SQL Server** folder.

Installing Internet Information Services

To install Internet Information Services (IIS):

1. Click **Start** and select **Settings > Control Panel > Add or Remove Programs**.
2. Click **Add/Remove Windows Components**.
3. In the Windows Components dialog box, select the **Internet Information Services (IIS)** check box, then click **Next**.
4. When the installation is complete, click **Finish**.

Installing Microsoft .Net Framework 1.1

To install Microsoft .Net Framework 1.1:

1. On the Avid DS Software & Drivers DVD, open the folder **\Applications\DMS\1_Framework**, and double-click the **1-dotnetfx.exe** file.
Install this file even if the Microsoft .NET Framework 1.1 is already installed on your system. This version includes specific files required for this installation.
2. In the Microsoft .NET Framework 1.1 Setup dialog box, click **Yes**.
The installer installs without further dialog boxes. You can click **Cancel** to stop the installation.
3. In the 1_Framework folder, double-click the **2-framework_script.bat** file.
A command prompt dialog box displays.
4. Press any key to continue, then press any key again to complete the installation.
5. Close the 1_Framework window.

Installing Java Runtime Environment

To install Java Runtime Environment:

1. In the **\Applications\DMS\2_jre_1.5 b** folder, double-click the **2_jre_1.5_0_12-windows-i586-p.exe** file.
2. When the License Agreement dialog box displays, read the End User License Agreement, accept the terms of the agreement, then click **Accept**.
The installation starts and runs without further dialog boxes.
3. When the installation is complete, click **Finish**.

Installing Microsoft SQL Server

This install procedure consists of five separate steps: which must be done in the proper order, otherwise the install will fail.

- Installing Microsoft.NET Framework 2.0
- Installing Microsoft SQL Server components
- Installing the SQL Toolkit
- Configuring the SQL Server Configuration Manager
- Configuring the SQL Server Management Studio Express

Step 1: To install Microsoft.NET Framework 2.0:

1. Click **Start** and select **Settings > Control Panel > Add or Remove Programs**.
2. In the Currently installed programs list, check to see if Microsoft NET.Framework 2.0 is installed.

If it is installed, skip the rest of this install procedure and continue with Step 2.

3. In the \Applications\DMS\3_SQL2005Express folder, double-click one of these versions:

- ▶ 32-bit system: **1-NetFx32.exe**
- ▶ 64-bit system: **1-NetFx64.exe**

A Confirm Uninstall dialog box displays.

4. When the installation is complete, click **Finish**.

Step 2: To install the Microsoft SQL Server components:

1. In the \Applications\DMS\3_SQL2005Express folder, double-click the **2-SQLEXPRESS.EXE file**.
2. When the License Agreement dialog box displays, read the End User License Agreement, accept the terms of the agreement, then click **Next**.
3. In the Installing Prerequisites dialog box, click **Install** to install SQL components.
4. Click **Next**.

The SQL Setup scans your system configuration.

5. In the Welcome to the Microsoft SQL Server Installation wizard, click **Next**.

The System Configuration Check should display Success for all items in the Status column.

6. Click **Next to continue**.
7. In the Registration Information dialog box, enter the name and company information but deselect **Hide advanced configuration options**. Click **Next**.
8. In the Feature Selection dialog box, keep all the default options and click **Next**.
9. In the Instance Name dialog box, select **Default instance**, then click **Next**.
10. In the Service Account dialog box, click **Next**.
11. In the Authentication Mode dialog box, select **Mixed Mode ...(Windows Authentication and SQL Server Authentication)**. Under Specify the sa logon password below: enter **!avid1234** in the Enter and Confirm password boxes.
12. In the Collation Settings dialog box, click **Next**.
13. In the User Instances dialog box, click **Next**.

14. In the Error and Usage Report Settings dialog box, do not select any options, then click **Next**.
15. In the Ready to Install dialog box, click **Install**.
The Microsoft SQL Server 2005 Setup installs the system files and configures the components. This takes a few minutes to complete.
16. In the Status column lists Setup finished for all components, click **Next**.
17. In the Completing Microsoft SQL Server 2005 Setup dialog box, click **Finish**.

Step 3: To install the SQL Toolkit:

1. In the \Applications\DMS\3_SQL2005Express folder, double-click the **3-SQLEXPRESS_TOOLKIT.EXE** file.
2. When the License Agreement dialog box displays, read the End User License Agreement, accept the terms of the agreement, then click **Next**.
3. In the Installing Prerequisites dialog box, click **Install**.
The SQL Setup scans your system configuration.
4. In the Welcome to the Microsoft SQL Server Installation wizard, click **Next**.
The System Configuration Check should display Success for all items in the Status column.
5. Click **Next**.
6. In the Registration Information dialog box, click **Next**.
7. In the Feature Selection dialog box, click the **X** icon next to **Management Studio Express**, and select **Will be installed on local hard drive**.
DO NOT select any other items.
8. Click **Next**.
9. In the Error and Usage Report Settings dialog box, click **Next**.
10. In the Ready to Install dialog box, click **Install**.
The Microsoft SQL Server 2005 Setup installs the system files and configures the components. This takes a few minutes to complete.
11. In the Status column lists Setup finished for all components, click **Next**.
12. In the Completing Microsoft SQL Server 2005 Setup dialog box, click **Finish**.

Step 4: To configure SQL Server Configuration Manager:

1. Click **Start** and select **All Programs > Microsoft SQL Server 2005 > Configuration Tools > SQL Server Configuration Manager**.
2. Select **SQL Server 2005 Services**.

4 Installing Avid DS Software and Services

3. Verify in the right pane that the SQL Server (MSSQLSERVER) is Running and Automatic. The SQL Server Browser is Stopped and this is normal.
4. In the left pane, expand **SQL Server 200 Network Configuration (32-bit)**.
5. Select **Protocols for MSSQLSERVER**.
6. In the right pane, right-click **TCP/IP** and select **Enable**.
7. “Any changes made will be saved; however, they will not take effect until the service is stopped and restarted. Click **OK**.
8. In the left pane, select **SQL Server 2005 Services**.
9. In the right pane, right-click **SQL Server (MSSQLSERVER)** and select **Restart**.
The service is stopped, then restarted.
10. Close the SQL Server Configuration Manager.

Step 5: To configure the SQL Server Management Studio Express:

1. Click **Start** and select **All Programs > Microsoft SQL Server 2005 > SQL Server Management Studio Express**.
2. Change the Authentication box to **SQL Server Authentication**. For the login name, enter **sa**. For the Password, enter **!avid1234**.
3. When the application opens, expand **Security**.
4. Right-click **Logins**, then select **New Login....**
5. Select **General** (if another option has been selected).
6. Select **Windows authentication** (if not already selected) and enter the **Avid DS workgroup user account name** (the name authenticating the Avid DS Services). On a domain



If your workstation is part of a Windows domain, specify the domain name before the user id (domain_name\userid).

7. Select **Server Roles**.
8. Select the **sysadmin** box, then click **OK**.
The Avid DS Workgroup account name is added to the list of logins.
9. Exit the SQL Server application.

This completes the preparatory procedures for installing Avid Interplay Media Service.

Installing Avid Interplay Media Service

Before installing the application, make sure that all the preparatory procedures have been completed.

To install Avid Interplay Media Service:

1. On the Avid DS Software & Drivers DVD, open the folder **\Applications\DMS\4_DMS_Broker**, and double-click the **Setup.exe** file.
The Avid Interplay Media Service 1.2.1 installer starts.
2. In the Welcome dialog box, click **Next**.
3. In the Country Selection for License Agreement, do not make any selection, just click **Next**.
4. In the License Agreement dialog box, click **Yes**.
5. In the Choose Destination Location dialog box, **click Next to install in the default location, or click Browse to select a different location**.

If an error message reporting a missing security driver appears, click **OK**. The installation continues and validates the existing components. If the Interplay database screen appears, select **Overwrite Current database**.

6. When the InstallShield Wizard Complete dialog box appears, select **Yes, I want to restart my computer now and click Finish**.

After the computer has restarted, continue with the next procedure to complete the installation.

Installing Avid Interplay Media Service and Transfer Status

To install Avid Interplay Media Service and Transfer Status:

1. On the Avid DS Software & Drivers DVD, open the folder **\Applications\DMS\TM_DMS_Status**, and double-click the **Setup.exe** file.
The Avid Interplay Media Service and Transfer Status 1.2.1 installer starts.
2. In the Welcome dialog box, click **Next**.
3. In the Country Selection for License Agreement, do not make any selection, just click **Next**.
4. In the License Agreement dialog box, click **Yes**.
5. In the Choose Destination Location dialog box, **click Next to install in the default location, or click Browse to select a different location**.

4 Installing Avid DS Software and Services

6. When the InstallShield Wizard Complete dialog box appears, select **Yes, I want to restart my computer now and click Finish.**

After the computer has restarted, continue with the next procedure to complete the installation.

Installing the Sentinel Driver

If a previous version of the Sentinel driver is installed, uninstall it before installing this version.

To uninstall a previous version of the Sentinel driver:

1. Click **Start** and select **Settings > Control Panel > Add or Remove Programs.**
2. In the Currently installed programs list, select the Sentinel driver, then click **Change/Remove.**

To install the Sentinel Driver:

1. On the Avid DS Software & Drivers DVD, open the folder **\Applications\DMS\5_SentinelUSB** and double-click the **Sentinel Protection Installer 7.4.0.exe** file.
2. In the Welcome to the InstallShield Wizard for the Sentinel Protection Installer 7.4.0 dialog box, click **Next.**
3. In the License Agreement dialog box, read the License Grant/Warranty for Software, accept the terms of the agreement, then **click Next.**
4. In the Setup Type dialog box, select the **Complete option, then click Next.**
5. In the Ready to Install the Program dialog box, click **Install.**
The Sentinel Protection driver installs.
6. In the InstallShield Wizard Completed dialog box, click **Finish.**

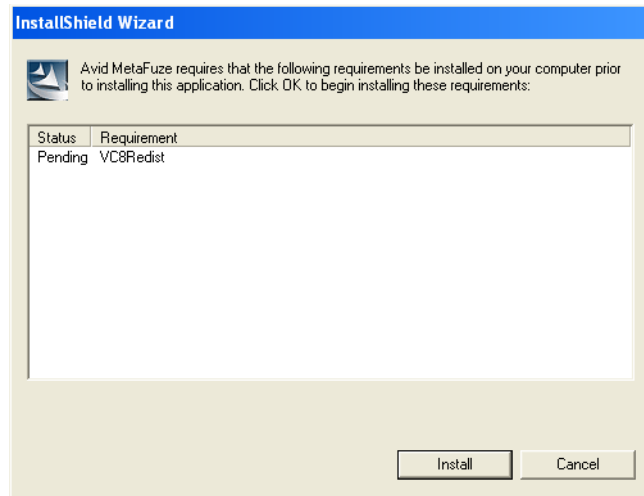
Installing Avid MetaFuze

Follow this procedure to install the Avid MetaFuze option.

To install Avid MetaFuze:

1. Use the Avid DS Software & Drivers DVD, or download the Avid DS software from the Avid Download Center at www.avid.com/support/downloadcenter/index.asp.
2. Double-click the **Start.exe** file and from the Main Menu click **Software Installation.**
3. Click **Install Avid MetaFuze.**

The InstallShield Wizard requires that the VC redistribution file be installed.



4. Click **Install** to continue.
5. In the Welcome dialog box, click **Next**.
6. Select “I accept the terms in the license agreement” then click **Next**.
7. In the Destination Folder dialog box, click **Next** to accept the destination folder, or click Change... to select a different folder.
8. Click **Install** to begin the installation.
9. When the installation is complete, click **Finish**.

Installing Drivers

Follow this procedure to install any of the various drivers that are required, depending on your system configuration.

To install a driver:

1. Use the Avid DS Software & Drivers DVD, or download the Avid DS software from the Avid Download Center at www.avid.com/support/downloadcenter/index.asp.
2. Double-click the **Start.exe** file and in the Main Menu, click **Drivers Installation**.

The Avid DS Support Center window appears. The list of supported systems is in the upper menu bar, and the list of available drivers is in the left pane.



3. Click the system model in the main menu, select the link for the appropriate driver in the left pane, then follow the instructions for installing the driver.

Installing and Removing the AVI Reference Codec

Follow this procedure to install the AVI Reference Codec on a remote computer that will use the shared Avid DC media for encoding purposes.

To install the AVI Reference Codec:

1. Use the Avid DS Software & Drivers DVD, or download the Avid DS software from the Avid Download Center at www.avid.com/support/downloadcenter/index.asp.
2. Double-click the **Start.exe** file.
3. In the Avid DS Software and Drivers dialog box, click **Install AVI Reference Codec on remote PC**.

The InstallShield Wizard will start installing the AVI Reference Codec.

4. When the installation is complete, click **Finish**.

To remove the AVI Reference Codec:

1. Click **Start** and select **Settings > Control Panel > Add or Remove Programs**, select **Softimage AVI Reference Codec**, then click **Remove**.
A Confirm Uninstall dialog box appears.
2. To confirm the uninstall, click **OK**.
3. When the Uninstall Complete dialog box displays, click **Finish**.

Reinstalling Plug-Ins

Avid provides some plug-ins for use with Avid DS. These plug-ins are automatically installed whenever Avid DS is installed on your workstations.

Avid DS supports AVX 1.0 and native Avid DS plug-ins. For a list of compatible third-party plug-ins, refer to the Avid DS Support Center web site. Contact the vendor directly for compatibility with this version of Avid DS.

Avid DS also supports VST audio plug-ins. For details contact Avid DS Customer Service.

If the plug-ins were removed, reinstall them by following the instructions below.

To reinstall plug-ins:

1. Use the Avid DS Software & Drivers DVD, or download the Avid DS software from the Avid Download Center.
2. Double-click the **Start.exe** file, then from the Main Menu, click **Software Installation**.
3. Click **Install Avid DS 32-bit** or **Install Avid DS 64-bit**.
4. In the Welcome dialog box, select the **Modify** option, then click **Next**.
5. In the Select Main Components dialog box, select the **Avid DS** check box, then click **Next**.
6. Follow the online instructions until the Select Additional Components dialog box displays. Select the **Plugins** check box, then click **Next**.
7. Complete the installation.



Important: Any plug-ins that you install on your client workstation should also be installed on the RP workstation to ensure compatibility. The same applies to any third-party plug-ins.

Installing and Removing Fonts

Avid DS includes 500 fonts from the Bitstream typeface library in the \Fonts folder of the Avid DS Software and Drivers DVD.

Avid DS supports both Type 1 and TrueType (PC-formatted) typeface formats.

Avid DS does not require any additional software to access TrueType fonts, but does require Adobe Type Manager (ATM) software to access Type 1 fonts.



Installing too many fonts on a workstation can noticeably degrade computing performance. Keep the number of fonts installed on your workstation to the minimum necessary to complete your projects.

Important: Any fonts installed on an Avid DS workstation should also be installed on the RP workstation to ensure consistency between processed results in titles and graphics.

Installing and Removing Type 1 Fonts

Type 1 font support in Avid DS is available only if you have the Adobe Type Manager or Adobe Type Manager Deluxe software (version 4.0 or later) installed and active. Consult the documentation that came with the Adobe Type Manager or Adobe Type Manager Deluxe software for instructions on how to install and remove Type 1 fonts.

Installing and Removing TrueType Fonts

TrueType font support in Avid DS does not require any additional software.

To install TrueType fonts:

1. Click **Start** and select **Settings > Control Panel > Fonts**.
The Fonts window displays.
2. From the File menu, select **Install New Font**.
3. In the Add Fonts dialog box, use the Folders and Drives lists to navigate to the folder that contains the TrueType fonts you want to install. On the Avid DS CD, they're in the \Fonts folder.

The available TrueType fonts in the selected folder display in the List of Fonts list.

4. Select the fonts to install from the **List of Fonts** list, as follows:
 - To select a single font, click the name of the font.
 - To select a range of fonts, click the name of the first font. Then Shift-click the last font in the range.

- To select all fonts in the directory, click **Select All**.
 - To switch the selection of a font, press the Ctrl key and click a font name.
5. (Optional) You can use the selected fonts from their current folder by deselecting the **Copy fonts to Fonts folder** option. This will save disk space on your local workstation.
By default, fonts will be added to your workstation's local disk space. If you are adding several fonts, consider using the fonts from their current locations to save local disk space.
The selected fonts are installed on your system.
 6. If Avid DS is currently running on this workstation, restart it to access the newly installed fonts.

To remove TrueType fonts:

1. Click **Start** and select **Settings > Control Panel > Fonts**.
The Fonts window displays.
2. Select the fonts to remove.
3. Press **Delete**.
You are prompted to confirm the deletion of the selected fonts.
4. Click **Yes**.
5. Close the Fonts and Control Panel windows.
6. If Avid DS is currently running, restart it to update the list of available fonts.

Installing Non-European Fonts

If you are working with a non-European, customized Windows operating system, such as Windows XP Japanese, you can use the DSFontSetting.exe application, which is distributed with Avid DS. You can use this application to change the default font used in Avid DS dialog boxes or reset it to default.

The new font is used only in dialog boxes; menus and toolbar buttons are not affected by this new information. You can customize the menu font size through the Windows Appearance tab of the Desktop Properties.

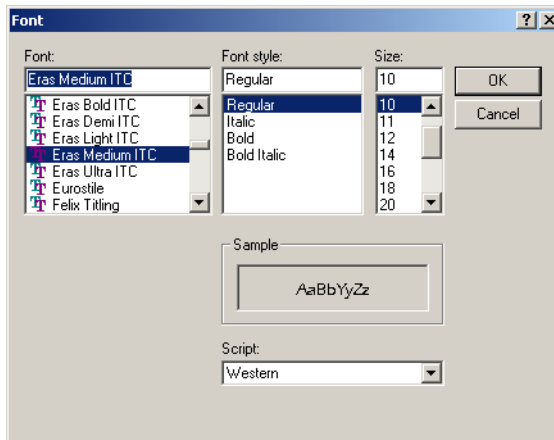
For non-European languages, Avid DS selects a font (by default) that comprises the European character set and is part of the character set of the foreign Windows system, such as Windows XP Japanese. However, the chosen font is very small and does not display properly, especially in dialog boxes. For regular systems, the default font for dialog boxes is Arial 11.

4 Installing Avid DS Software and Services

This application does not ensure that the font will fit properly in the dialog box. Whenever the new selected font is too large for the various text contents of the dialog box, a smaller default font will be used as in previous versions. You must be careful to choose a font that still contains a European character set, since the displayed text is still English. This new feature is not restricted only to Asian systems; any customer of any country can change the Avid DS default font. However, layouts work best with the default font (Arial 11). Each time a new font is set or reset, you must restart Avid DS before it takes effect.

To install non-European fonts:

1. Browse to the **C:\Program Files\Avid\DS_10.x** folder.
2. Double-click the **DSFontsettings.exe** file.
3. From the Settings menu, select one of these options:
 - **Reset Font** to reset the fonts to their default setting.
 - **Set DS Font** to choose the font and size you want to use in the dialog click. Click **OK**.



Some Tips

- For best results, use a font size between 8 and 14 points.
- If the font selected is a little too big to be displayed in its designated area, it will be substituted by the default font size.
- If the font size is really too big, the layout will not appear correctly, and you may need to refresh the screen.

Saving Avid DS System Settings

Before uninstalling a previous version of Avid DS, save your preferences and presets by exporting them to a folder. After the upgrade, you can import the presets into the new version of Avid DS.



Do not save your preferences to a network folder.

Exporting and Importing your Preferences

A preference set is a collection of Avid DS layouts, toolbars, combo views, and/or key maps. Importing and exporting preference sets lets you share customized controls with other users. Use the Preference Management dialog box in Avid DS to import and export preference sets.

When you import or export a preference set, its internal hierarchy is preserved. For example, if you export an entire layout, any toolbars in the layout are exported with it.



Preference sets with the same name are appended with a number to differentiate them.

Exporting a Preference Set

When you export a preference set, you can only include the layouts and keymaps that you customized. You can export any toolbar.

To export a preference set:

1. Select **Layout > Import/Export Preferences**.
2. In the Preference Management dialog box, select the **Export Preferences** tab.
3. Select the individual controls that you want to export (or **Select All**). Use the Type list to switch between the layouts, toolbars, and keymaps in the preference sets.
4. Click **Export** to export the selected controls.
5. Do one of the following:
 - ▶ In the **File Name** text box, enter the path to the folder in which you want to save the preference sets.
 - ▶ Click **Paths** to select a default or project path.
 - ▶ Use the Avid Explorer to navigate to the folder in which you want to save the preference sets.
6. Enter a name for the preference set in the File Name text box, then click **OK**.

Importing a Preference Set

When you import a preference set, you can import all of the controls in the set, or you can select only the controls that you need.



When you import an entire layout from an existing preference set, its components are automatically imported as well. Some types of layouts are unsupported and cannot be imported.

You cannot import preferences from a network drive.

To import a preference set:

1. Select **Layout > Import/Export Preferences**.
2. In the Preference Management dialog box, select the **Import Preferences** tab.
3. Do one of the following:
 - ▶ In the **File Name** text box, enter the name and location of the preference sets that you want to import.
 - ▶ Click **Browse**.

The Import Preferences dialog box displays.

4. Locate the preference sets that you want to import then click **OK**.
5. Select the controls that you want to import. Use the Type list to switch between the layouts, toolbars, combo views, and keymaps preference sets.
6. Click **Select All** button to select all controls.
7. Click **Import** to import the selected controls.

You will be prompted to restart Avid DS when the import is complete.

If you imported a layout, additional layout buttons appear in the taskbar.

Saving your Avid DS Deck Presets

To export deck presets:

1. In the top panel of the Deck Configuration view, right-click and select **Export Deck Presets**.
2. Select the folder into which you want to export the presets.
3. Click **Select** to begin the export.

5 Installing the Remote Processing Software

This section describes how to install Avid DS v10.x software on an Avid DS Remote Processing (RP) workstation.

Processing, or rendering, which is a normal and necessary part of the Avid DS workflow, both takes time and uses resources on the workstation being used, which in turn interrupts the creative process. The solution is to use a remote workstation running Avid DS RP to do the processing.

The Avid DS RP software can be installed on as many workstations in a workgroup as required. When a job is sent to be processed remotely, it is routed by the Avid Interplay Media Services (Avid DMS Broker) to the first available RP workstation. Avid DS RP processes the effects, returns the cache media to the Avid DS client storage, and notifies the client workstation when the job is complete.



This version of Avid DS RP cannot accept processing requests from earlier versions of Avid DS.

Remote Processing Concepts

Client Workstation: This is the workstation on which Avid DS is installed. The *client workstation* is where the processing request is initiated. The request is sent to the remote processing workstation, and the result is eventually returned to the client.

Remote Processing Workstation: This is the workstation where Avid DS RP is installed. The RP workstation handles requests from client workstation(s) and updates the clients' timeline as each request is processed.

Each RP workstation keeps a log of the jobs that have been processed on that station. The log provides full details on each job sent to that station for processing. A shortcut to access this log (ds_server_log.txt) is available on the RP workstation desktop.

Minimal Requirements for Avid DS RP Workstation

The remote processing workstation must meet the following requirements:

- Supports Windows XP Professional and Windows XP Profession x64 Edition operating system
- Intel Pentium 4 (single or dual CPU; MMX enabled)



AMD processors are now supported.

- 1.5 GB RAM (x86) and 4 GB RAM (x64 Edition)
- 1 GB of hard drive space
- SVGA monitor with a recommended resolution of 1280×1024
- Network card with a minimum of Gigabit Ethernet (1000 Mbps)
- Network protocol: All of the workstations being used for your workgroup must reside on a network that uses the TCP/IP protocol. Each workstation must be able to see the others over the network.
- OpenGL for 3D DVE: In Avid DS, only the 3D DVE layout uses OpenGL. An Avid DS RP workstation does not require an OpenGL card to process OpenGL effects. However, these effects will process significantly faster if the RP workstation has an OpenGL card.



It is recommended that you use the same type of OpenGL card in both the RP workstation and the client workstation.

Optimizing Network and Remote Processing Performance

To optimize the network hardware and the performance of remote processing:

- The recommended minimum speed of the network card is Gigabit Ethernet and full duplex capability as this speed matches that of the client workstation.



The HP workstation uses an on-board Gigabit Ethernet adapter.

- A network switch is the best way to isolate the remote processing traffic from a corporate network. We recommend a minimum bandwidth of Gigabit Ethernet and full duplex capability, however, a gigabit switch is preferable. For the highest quality components, purchase brand name products, such as 3Com, Cisco, etc.



Hubs are not recommended.

- Use 24AGW gauge network cable (category 5 and up). Connectors must be assembled properly, with a minimal length of unshielded wire on both ends.

Optimizing CPU Usage on Avid DS RP Workstations

In some cases, the CPU usage on the RP workstation or the client workstation may be low during processing. This may be more obvious when the RP workstation is a faster machine, and in some cases the CPU usage may be lower on the RP workstation than on the client workstation. This is a normal occurrence.

CPU usage is an indicator of processor activity. The faster the processor, the faster it completes its job (processing the current frame). If the CPU has to wait for the next frame read from disk to start processing the frame, the CPU usage is lowered. This is normal, and depends on the effect being processed.

For simple light effects, such as color correction, the processing is fast enough that the CPU is actually idling most of the time. This appears as a low CPU usage value. These effects are said to be “I/O-bound”, meaning that the read/write operations for each processed frame are more significant than the actual processing. Because Avid DS is fully multi-threaded, the processing itself and the I/O operations are done in parallel. However, if the CPU is idling most of the time, a low CPU usage value is to be expected.

Most native Avid DS effects support multi-threading and, in addition to this, processing jobs can be divided among the CPUs available in the workstation. For example, when a blur effect is processed on a dual-CPU workstation, half the frame is processed on one CPU while the other half is processed on the other. This dramatically improves the overall processing time.

5 Installing the Remote Processing Software



Some third party effects (such as all AVX effects) do not support multi-threading. In these cases, because only one of the CPUs is being used, the CPU usage never goes above 50%.

To verify if an effect is single- or multi-threaded:

1. Click the **Start** button and select **Run**.
2. In the Run window, type **perfmon** to run the Performance Monitor.
3. Add one counter for each CPU Time.

For multi-threaded effects, the two curves move together while processing. In single-threaded effects, they move in opposite directions.

CPU usage can be affected by the RP license (single or dual). An RP license for one processor will force the RP workstation into single-thread mode, and the CPU usage will never exceed 50%.

CPU usage usually appears higher on the client workstation (if it has the same processor type as the RP). This is because the read/write operations are faster on the client (local storage). As a result, the processor spends less time waiting for input frames before processing them.

Installing Avid DS RP

To install Avid DS RP, you must log on with an account that has Administrator privileges.

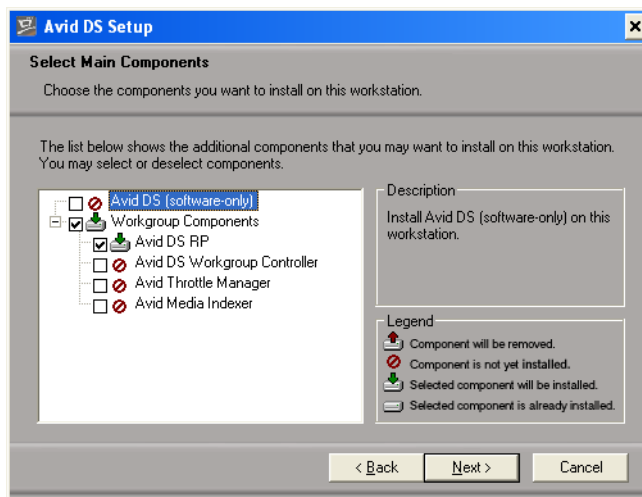


If you have one or more RP workstations in your workgroup, you must install and start the Avid Interplay Media Services before installing Avid DS—see “[Installing Avid Interplay Media Service and Transfer Status](#)” on page 75.

To install Avid DS RP:

1. Use the Avid DS Software & Drivers DVD, or download the Avid DS software from the Avid Download Center.
2. Double-click the **Start.exe** file and from the main menu, click **Software Installation**.
3. Click **Install Avid DS 32-bit** or **Install Avid DS 64-bit**.
4. When the Avid DS Setup Wizard displays, click **Next**.

The Select Main Components dialog box displays.

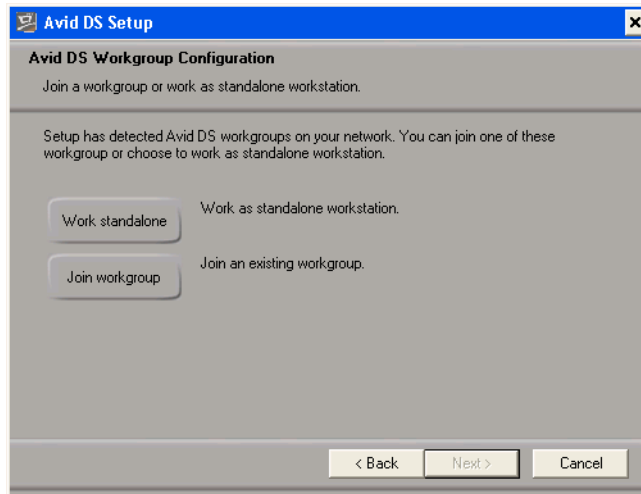


5. In the Workgroup Components tree, select the **Avid DS RP** check box, then click **Next**.
6. In the License Agreement dialog box, read the End User License Agreement, accept the terms of the agreement, then click **Next**.
7. In the Customer Information dialog box, enter a user name and company name, then click **Next**. This information is required.
8. In the Reseller or Dealer Information dialog box, enter the requested information if applicable, then click **Next**. This information is optional.
9. In the Choose Destination Location dialog box, click **Next** to install the software in the default destination location folder.

The Avid DS Workgroup Configuration dialog box displays.

- Keep existing DS Workgroup configuration.
- Join a different DS Workgroup.

5 Installing the Remote Processing Software



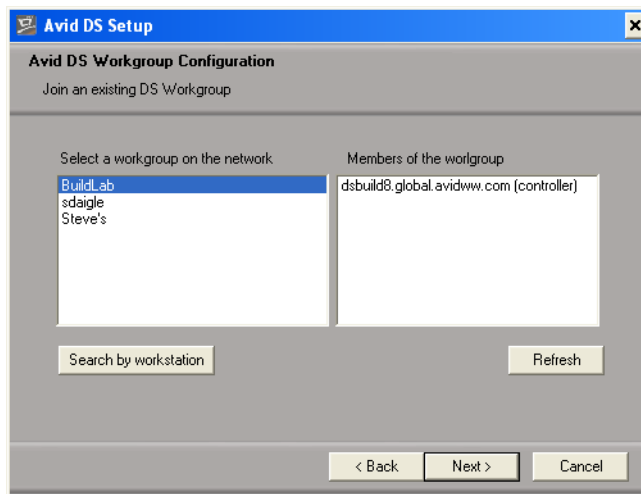
10. Click **Join Workgroup**.

If the workstation already belongs to a workgroup, there are two options:

- ▶ Keep existing DS Workgroup configuration. If you select this option, continue with step 12.
- ▶ Join a different DS Workgroup configuration. If you select this option, continue with step 11.

If the workstation does not already belong to a workgroup, continue with step 11.

11. In the Avid DS Workgroup Configuration dialog box, select a workgroup to join in the left pane, then click **Next**.



12. In the Avid DS Service Configuration dialog box, enter the login profile of the user account that will run the Avid DS services on this workstation.

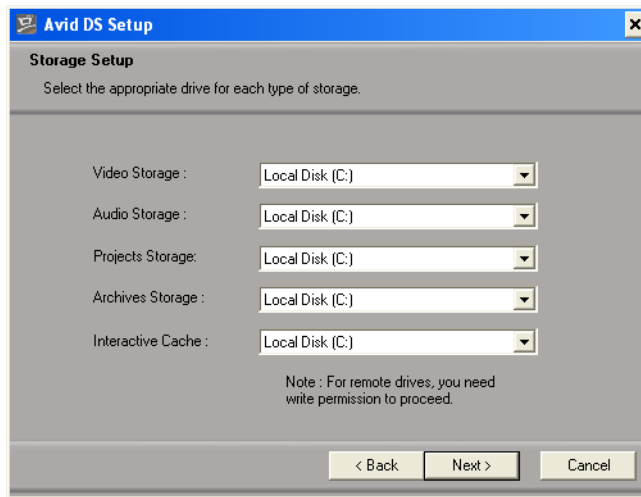
You must specify the computer name before the user id (e.g., *computer_name\userid*).



If your workstation is part of a Windows domain, specify the domain name before the user id (domain_name\userid).

13. In the Storage Setup dialog box the default storage locations are selected. To change the storage locations, use the drop-down lists, then click **Next**.

On an RP workstation, set the **Projects Storage** to the drive where projects and presets will be stored. All other options (Video and Audio Storage, Archives and Interactive Caches), can be set to None.



If you are connected to Unity, do not select the Unity storage to store your projects. The Unity is only for media storage.

14. In the Select Additional Components dialog box, select any additional components required. The RP workstation requires the fonts and plug-ins to process Avid DS requests.
15. When the Start Copying Files dialog box displays, review your installation settings, then click **Next**.



If you need to change options, use the Back button to go as far back as you need to change the options.

A progress indicator displays as the Avid DS RP files are copied to your system.

16. When the InstallShield Wizard Complete displays, click **Finish**.

Avid Throttle Manager

The Throttle Manager is only required when you have an Avid DS RP workstation in your workgroup. The Throttle Manager is part of the Avid DS Services options and can only be installed on the Avid DS RP or workstation that will be the controller for the DS Workgroup.



Do not install the Avid Throttle Manager on a workstation running the Avid DS software.

On an Avid DS workstation, playback, capture, and output to tape are critical operations which require guaranteed bandwidth between the workstation and its storage. During these operations, the Throttle Manager will pause any RP workstations using the same storage for processing in order to maintain that bandwidth. Once the playback, capture, or output to tape operation is complete, the Throttle Manager restarts the processing on the RP workstations.

For instance, if you want to play back your sequence on the timeline, the Avid Throttle Manager temporarily suspends any processing requests to an RP workstation, or capture or output from/to a deck, to allow for the full bandwidth to be used for real-time playback. Once the sequence playback is complete, the Avid Throttle Manager resumes the other processes.

The Avid Throttle Manager also manages the bandwidth to shared storage locations for each workstation in the Avid DS workgroup. For example, since an Avid DS client workstation and an RP workstation can share the same storage, the Throttle Manager manages access to shared storages, so that the RP workstation doesn't interfere with the client workstation during critical times such as playback, capture, and output to tape.



The Throttle Manager can only be installed on a Windows XP workstation.

6 Licensing Avid DS Software

To run Avid DS software after it has been installed, it must have a registered license. In addition, Avid DS can be started only if the dongle identification number matches the information in the license file.

This section describes how to license an Avid D client workstation, Avid DS software-only workstation, or an Avid DS RP workstation.

Requesting a License File

An Avid DS software license is linked to the system where the software is installed. The license is an encoded string generated from the IDs of various hardware components on your system. Each workstation needs its own license file.



The licensing system allows up to three hardware component changes. After the third hardware change, you will be notified that you need a new license.

To generate a license ID:

1. Go to the Avid DS Support Center web site and click **Licensing**.
2. Follow the instructions to generate a Dongle ID, and submit a license request to Avid.



You must provide all the information requested in order to obtain your license in a timely manner.

Avid DS Customer Service does not generate permanent licenses. However, if your license is incorrect or if you haven't received it within 72 hours of your request, Customer Service can generate a limited one-week license.

3. If you have other workstations in your workgroup for which you need to install licenses, click the **Back to License Request** button, and repeat the licensing instructions.

Installing the Registered License File

- ▶ When the registered license arrives from Avid, save it to a folder (C:\DSLlicense) on the workstation where you generated the Dongle ID.
- ▶ Click the Windows **Start** button and select **All Programs > Avid > Avid DS v10.x > Licensing Instructions**.
- ▶ Follow the online instructions to install your license for this workstation.

7 Managing Your Storage Areas

This section provides guidelines on the storage connected to your Avid DS workstation and/or workgroup. It also contains details on configuring your storage areas.



In this information, the general term “Avid editing system” refers to Avid applications other than Avid DS, such as Symphony™, Media Composer®, Film Composer®, Avid Xpress®, and NewsCutter®.

Planning your Storage Locations

Your Avid DS workstation typically includes a base tower with a storage device (disk array). The video media is stored on the drives in the storage device, while all software, projects, and audio media are stored on the local drive in the base unit. For more information on the software and project folders on your local disk—see [“About your Local Storage Area” on page 120](#).

In Avid DS, all storage devices to which you are connected are managed by [“The Avid Indexing Services” on page 96](#). Each workstation has an indexing service that must be configured for the storage devices (local and remote) that the workstation needs to access.

The following sections show the different workgroup setups, and explain how your media indexing services should be configured in each situation:

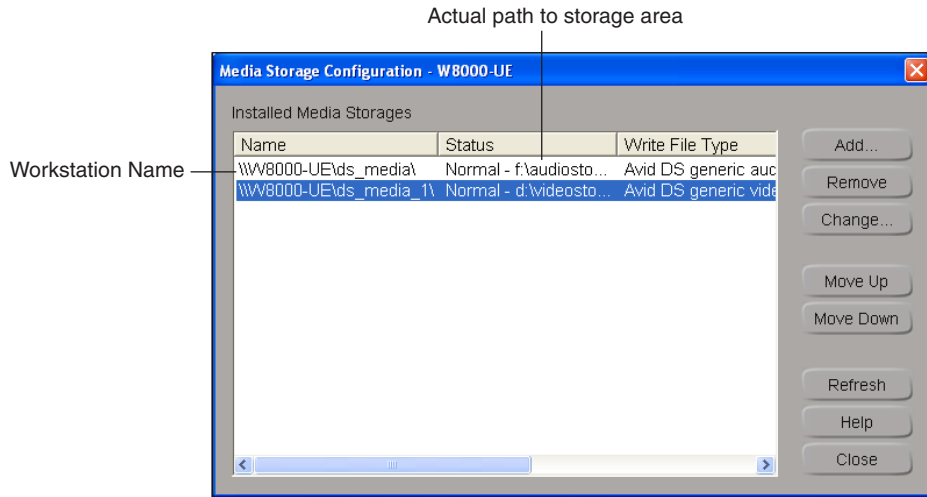
- [“Workgroup with Private Projects and Centralized Storage” on page 97](#)
- [“Workgroup with Shared Projects and Storage” on page 99](#)
- [“Workgroup with Shared Storage in an Avid Interplay Environment” on page 101](#)

The Avid Indexing Services

The Avid Media Indexer and the Avid Project Indexer manage your projects and media more efficiently. These services actively monitor and index the storage areas that you’ve defined to allow for improved performance, better sharing of media across a network, and better interaction between Avid DS and an Avid DS RP (remote processing) workstation.

The *Media Indexer* can manage media of different formats, such as video, audio, source, cache, .gen files (the native Avid DS format), .omf files (the native Symphony and Media Composer format), and .mxf files (industry-standard format that encapsulates media and production metadata into a single file).

Each workstation has its own media indexer which indexes the audio and video storage areas on that workstation. The media indexing service on a workstation contains a list of storage areas that the workstation requires. These storages are accessed and indexed in the order in which they are listed.



In a workgroup, the *Project Indexer* works with the media indexing service on each workstation and keeps an up-to-date index of the location of all media. So, for example, when the Purge command is executed from any workstation within the Avid DS workgroup, the correct media for the selected project is purged.

The following sections show two different workgroup setups, and explain how your media indexing services should be configured in each situation.

- [“Workgroup with Private Projects and Centralized Storage” on page 97](#)
- [“Workgroup with Shared Projects and Storage” on page 99](#)
- [“Workgroup with Shared Storage in an Avid Interplay Environment” on page 101](#)

Workgroup with Private Projects and Centralized Storage

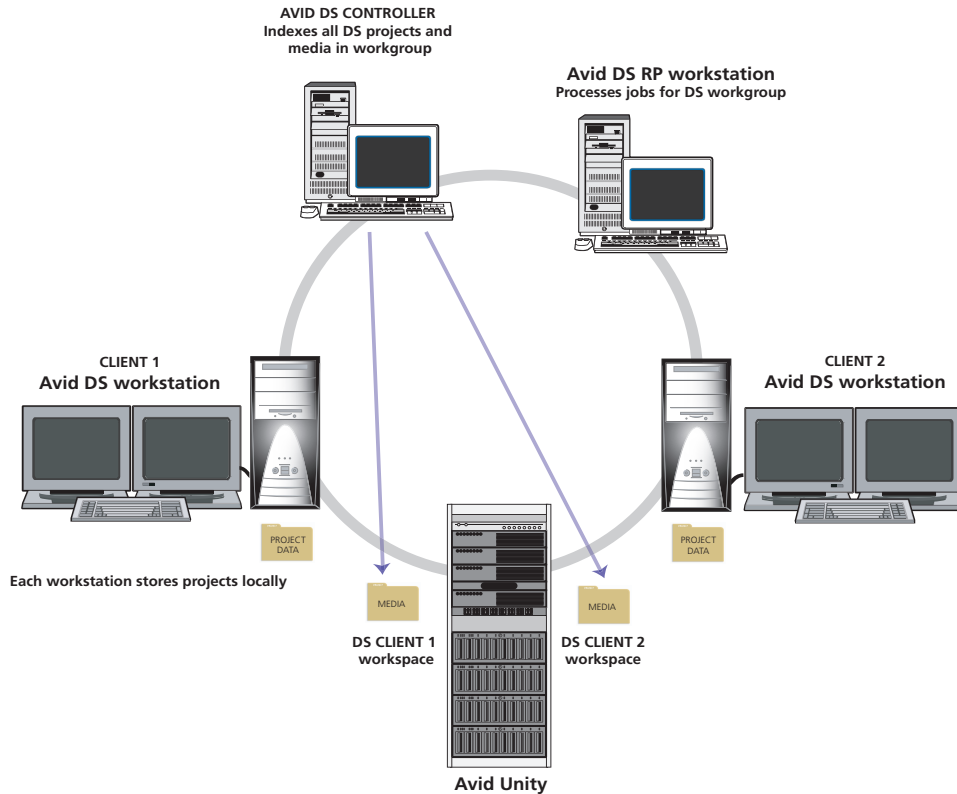
If you don’t anticipate much sharing of media, but still need all media for your workgroup to be on one storage device (that is an Avid Unity storage), then use this centralized storage scenario, while keeping your project data on the local workstations.

Should you require sequences or media from any other workstation, you can import the sequence/clip and link to media on that workstation’s Unity workspace. You will also need to change the share permissions on that workspace to access the media.



If the Avid DS workstations need to share projects and media on a more consistent basis, we recommend that you follow [“Workgroup with Shared Projects and Storage” on page 99](#).

7 Managing Your Storage Areas



Avid Unity

- The Avid Unity storage needs to have a workspace for each Avid DS client. Within the workspace, set up separate folders for video and audio, and set the necessary permissions.
 - Unity video storage - `\\Unity\allocation\workspace_name\video`
 - Unity audio storage - `\\Unity\allocation\workspace_name\audio`
- An RP workstation does not need a workspace since it processes directly to the Avid DS client workspace. However, the RP workstation will need permission to access the Unity workspaces for each Avid DS workstation (for remote processing requests).

The controller will also need permission to access the Unity workspaces for each client.

Avid DS Controller

- Set up a dedicated workstation to index the media for the entire workgroup.
- The project indexer should also be installed here. It will poll and index all project folders on the Avid DS workstations in the workgroup.

- Configure the media indexing service on the Controller to include the Avid DS workspaces on the Unity storage—see [“Configuring your Storage Locations” on page 109](#).

Avid DS Client Workstations

For each Avid DS workstation in the workgroup:

- Make sure you set the permissions on the root project folder so that it can be accessed and indexed by the controller.
- Configure a media indexing service with the client’s audio/video workspaces on Avid Unity—see [“Configuring your Storage Locations” on page 109](#).
- Add the controller’s media indexing service to the Avid DS workstation’s media indexing service. This will automatically give the Avid DS workstation access to all the other workspaces on Unity (if the necessary permissions have been granted).

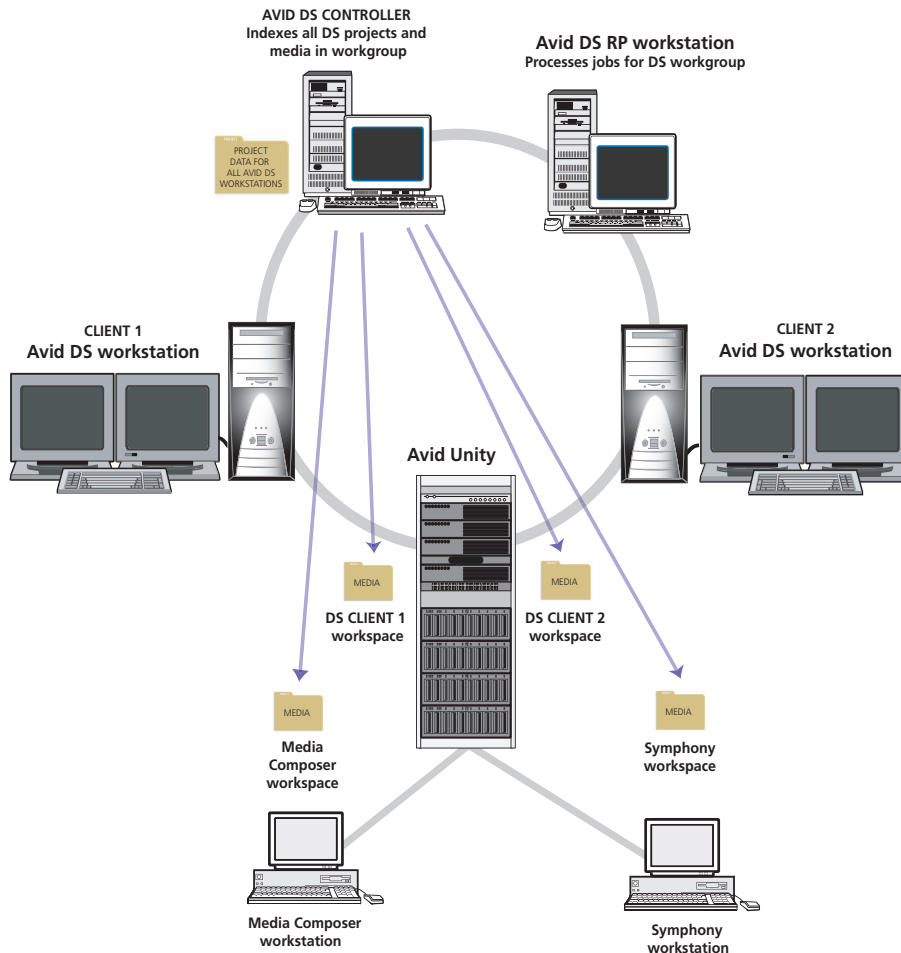
For step-by-step details on the above-mentioned process—see [“Checklist: Installing Avid DS with Avid Unity” on page 38](#) or [“Checklist: Setting up Avid DS in an Interplay Environment” on page 3](#).

Workgroup with Shared Projects and Storage

In cases where there is a large need to share projects and media between workstations, the media storage can be centralized on an Avid Unity storage. Set up your environment as illustrated below, so that the Avid DS workstations can directly access media that is created on other Avid editing systems, and stored on an Avid Unity workspace

You should also read the section on [“Sharing Media” on page 104](#) as it provides important recommendations on accessing and indexing your media in a workgroup.

7 Managing Your Storage Areas



Avid Unity

- The Avid Unity storage needs to have a workspace for each Avid DS client. Within the workspace, set up separate folders for video and audio, and set the necessary permissions.
 - Unity video storage - `\\Unity\allocation\workspace_name\video`
 - Unity audio storage - `\\Unity\allocation\workspace_name\audio`
- An RP workstation does not need a workspace since it processes directly to the Avid DS client workspace. However, the RP workstation does need permission to access the Unity workspaces for each Avid DS workstation (for remote processing requests).

The controller will also need permission to access the Unity workspaces for each client.

- Create workspaces where other Avid editing systems (Media Composer, Symphony) can place media that will be shared with Avid DS (audio and video can be stored in the same folder). This folder should only contain media that needs to be conformed and used by Avid DS, as there is no need to index all the offline media on an Avid editing system.
 - Unity storage - \\Unity\allocation\workspace_name\MXF

Avid DS Controller

- Set up a dedicated workstation to index the media for the entire workgroup.
- The project indexer should also be installed here. Set the project root folder on this workstation and set the permissions on this folder for access by all DS client workstations.
- Configure the media indexing service on the Controller to include the Avid DS workspaces on the Unity storage—see [“Configuring your Storage Locations” on page 109](#).

Avid DS Client Workstations

For each Avid DS workstation in the workgroup:

- When adding a project, make sure you create it on the controller (in the project root folder).
- Configure a media indexing service with the client’s audio/video workspaces on Avid Unity—see [“Configuring your Storage Locations” on page 109](#).
- Add the controller’s media indexing service to the Avid DS workstation’s media indexing service. This will automatically give the Avid DS workstation access to all the other workspaces on Unity (if the necessary permissions have been granted).

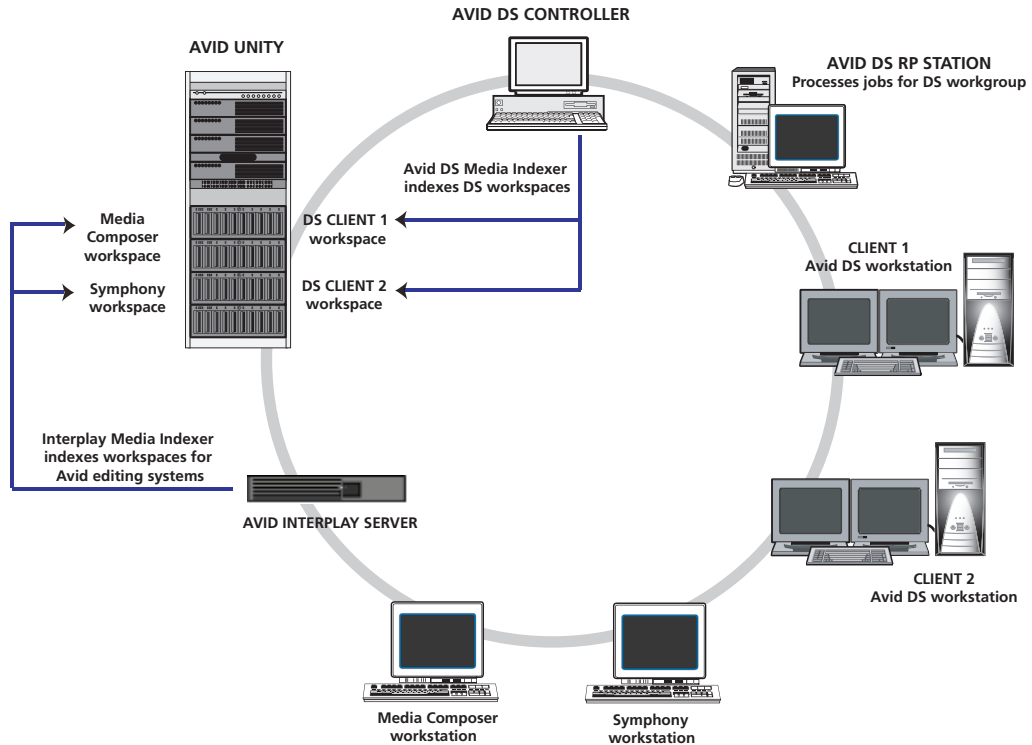
For step-by-step details on the above-mentioned process—see “Checklist: Installing Avid DS with Avid Unity” in The Avid DS Installation and Configuration Guide, or [“Checklist: Setting up Avid DS in an Interplay Environment” on page 3](#).

Workgroup with Shared Storage in an Avid Interplay Environment

In cases where there is a need to share media between Avid DS and other Avid editing systems, the media storage can be centralized on an Avid Unity storage. The environment illustrated below shows how the individual workspaces need to be indexed so that media can be accessed quickly.

You should also read the section on [“Sharing Media” on page 104](#) as it provides important recommendations on accessing and indexing your media in a workgroup.

7 Managing Your Storage Areas



Avid Unity

- The Avid Unity storage needs to have a workspace for each Avid DS client. Within the workspace, set up separate folders for video and audio, and set the necessary permissions.
 - Unity video storage - `\\Unity\allocation\workspace_name\video`
 - Unity audio storage - `\\Unity\allocation\workspace_name\audio`
- An RP workstation does not need a workspace since it processes directly to the Avid DS client workspace. However, the RP workstation does need permission to access the Unity workspaces for each Avid DS workstation (for remote processing requests).

The controller will also need permission to access the Unity workspaces for each client.
- Create workspaces where other Avid editing systems (Media Composer, Symphony) can place media that will be shared with Avid DS (audio and video can be stored in the same folder).
 - Unity storage - `\\Unity\allocation\workspace_name\MXF`

Avid Interplay Media Indexer

The Interplay Media Indexer is installed on a dedicated server within the Interplay environment. It only needs to index media for non-DS workstations. (The Avid DS controller will index media for the Avid DS workgroup).

- Configure a media indexing service that contains the workspaces belonging to other Avid editing systems (Media Composer, Symphony).

Avid DS Controller

- Set up a dedicated workstation to index the media for the Avid DS workgroup.
- The project indexer should also be installed here. Set the project root folder on this workstation and set the permissions on this folder for access by all DS client workstations.
- Configure the media indexing service on the Controller to include the Avid DS workspaces on the Unity storage—see [“Configuring your Storage Locations” on page 109](#).

Avid DS Client Workstations

For each Avid DS workstation in the workgroup:

- When adding a project, make sure you create it on the controller (in the project root folder).
- Configure a media indexing service for the workstation:
 - add the client’s audio/video workspaces on Avid Unity—see [“Configuring your Storage Locations” on page 109](#).
 - If the workstation also has media on locally-connected storage, then add this storage to the media indexing service.
 - Add the controller’s media indexing service to the Avid DS client’s media indexing service. This will automatically give the Avid DS workstation access to all the other DS client workspaces on Unity (if the necessary permissions have been granted)—see [“Accessing Storage on another Workstation” on page 114](#).
 - Add the Interplay media indexing service to the Avid DS client’s media indexing service. This will automatically give the Avid DS workstation access to all other Avid workspaces on Unity (if the necessary permissions have been granted)—see [“Stopping and Starting your Avid Indexing Services” on page 119](#).

For step-by-step details on the above-mentioned process—see [“Checklist: Setting up Avid DS in an Interplay Environment” on page 3](#).

Sharing Media

Sharing media saves you time and disk space as you only have to capture the media once. If other users in your workgroup want to use the media, they can import the sequence or master clip into their project. The clips will then link directly to the associated media.



Avid DS can also share compressed and uncompressed media with other Avid editing systems. For more information—see [Downconverting HD Material to SD](#).

In a workgroup environment, the location of your media and projects can make a big difference to your performance and processing times. For instance, if you are working in isolation on a project, then having the related media on your local storage gives you real-time playback of the sequences.

On the other hand, if you are working on the same project with other Avid DS workstations that need access to the same media, then it would be more efficient to store the media in one location. You save on storage space as there is no redundancy of media on each workstation.



When sharing media on storage areas connected on a network, there may not be sufficient bandwidth to provide realtime playback of the media. If you are using an Avid Unity storage, it does have enough bandwidth to handle realtime playback.

If you are not getting realtime playback with the shared storage you are using, you can copy the media to a local storage connected to your workstation.

Points to consider when sharing media:

- One workstation, preferably the controller, should hold all projects and take care of the indexing and processing services. The indexing service on the controller will be configured to index media on all connected storages in the workgroup (including workspaces on Unity).
- If your workstations are sharing Avid Unity storage, then each workstation using this storage must have a fibre-optic cable connection to the Avid Unity system for optimal performance.
- If many workstations are working on the same project and will be sharing the same media, then place all media on one storage device.
- If you are sharing media on an Avid Unity workspace, make sure that both the offline and the online systems have access to the workspace.

Points to consider when sharing projects:

- In a workgroup, a user can open a project from any Avid DS workstation in the workgroup.

- A project can only be opened by one user at a time.
- If you need to work on a sequence within a project that is already open by another user, you can import the sequence and link to media (so that you are still sharing the media). This sequence can later be imported back into the original project.

Sharing MXF Media

MXF (Material Exchange Format) is an industry-standard container format that encapsulates media and production metadata into a single file. MXF is a common file format for direct media interchange among Avid applications, as well as with third-party MXF-compliant products. MXF supports both standard-definition and high-definition formats.



Avid DS can share HD projects and Avid DNxHD media with Media Composer HD-capable systems. Avid Xpress Pro HD systems can also share this media, but cannot capture it. DNxHD media is compression format also used for MXF media so that you can deliver mastering-quality HD media at standard-definition data rates and file sizes. To share this media, you must be running Avid DS v7.5 QFE 3 or later, which is available from the Avid DS Support Center.

For a list of shared DNxHD resolutions—see [Avid DNxHD Compressions in the Help](#).

If you are reading or writing MXF media for use only by Avid DS:

- ▶ Create the following audio and video MXF folders on your storage device using the Windows Explorer:

```
\\workstation_name\Avid MediaFiles\MXF\Video
\\workstation_name\Avid MediaFiles\MXF\Audio
```

If you are sharing media with other Avid editing systems on an Avid Unity:

- ▶ Create the following Unity workspace for MXF files that you are reading from other systems:

```
\\server_name\workspace_name\Avid MediaFiles\MXF
```

- ▶ Create the following Unity workspaces for MXF files that Avid DS is creating for use by other systems:

```
\\server_name\DS_workspace_name\Avid MediaFiles\MXF\Video
\\server_name\DS_workspace_name\Avid MediaFiles\MXF\Audio
```

Make sure to use the correct syntax:

- Include a space between Avid and MediaFiles
- Don't include a space for MediaFiles, Video, and Audio
- Use the correct uppercase and lowercase letters.



Avid DS requires separate storage areas (one for audio and one for video) to write MXF media. Other Avid editing systems create a single folder for MXF media, named Avid MediaFiles\MXF, and can write both audio and video files to the same folder.

Sharing OMFI Media

Avid editing applications can export an OMFI file that contains all the editing information for the selected master clip or sequence along with the video and audio media files for that master clip or sequence.

To create the OMFI folders:

- ▶ If you are linking to OMFI media within Avid DS, create the following video and audio folders on your storage device using the Windows Explorer:

- `\\workstation_name\OMFI MediaFiles\VideoStorage`
- `\\workstation_name\OMFI MediaFiles\AudioStorage`

- ▶ If you are linking to OMFI media on an Avid Unity, create the following folders:

- `\\server_name\workspace_name\OMFI MediaFiles\VideoStorage`
- `\\server_name\workspace_name\OMFI MediaFiles\AudioStorage`

Make sure to use the correct syntax:

- Include a space between OMFI and MediaFiles
- Don't include a space for MediaFiles, VideoStorage, and AudioStorage
- Use the correct uppercase and lowercase letters.

Placing DPX Media on the Storage Device

If you are working with DPX files, they should be placed onto a fast, high-capacity storage device connected to your workstation. This allows you to link to the master and still get realtime playback in Avid DS.

If this media is being shared with other Avid systems, you can place these master files on a shared storage, such as Avid Unity and link to it.

- ▶ *For local storage.* Place your DPX files in an appropriate folder under the \VideoStorage folder on the storage device. For example,

`\\workstation_name\VideoStorage\DPX\Casino\...`

- ▶ *For shared storage.* Place the DPX files on a workspace on Avid Unity. For example,

`\\server_name\workspace_name\Avid MediaFiles\DPX\Casino\...`

Linking Back to MXF Media on the Avid Offline Editing System

You can share MXF master clips captured or generated on Avid DS with other Avid editing systems. For HD media, you can share MXF DNxHD media only with other Avid systems that support it. To make this media available for use by Avid offline editing systems, you need to set up your storage areas accordingly.

To share MXF master clips created on Avid DS, follow this basic workflow:

1. Make sure any storage devices or Avid Unity workspaces are configured correctly—see [“Managing Your Storage Areas” on page 95](#).
2. On the Avid DS system:
 - a. Create a project. In the New Sequence dialog box, select the proper capture settings: MXF storages (one for audio and one for video), desired compression, and so on. MXF storage can be shared (in an Avid Unity environment) or local (and later transferred).



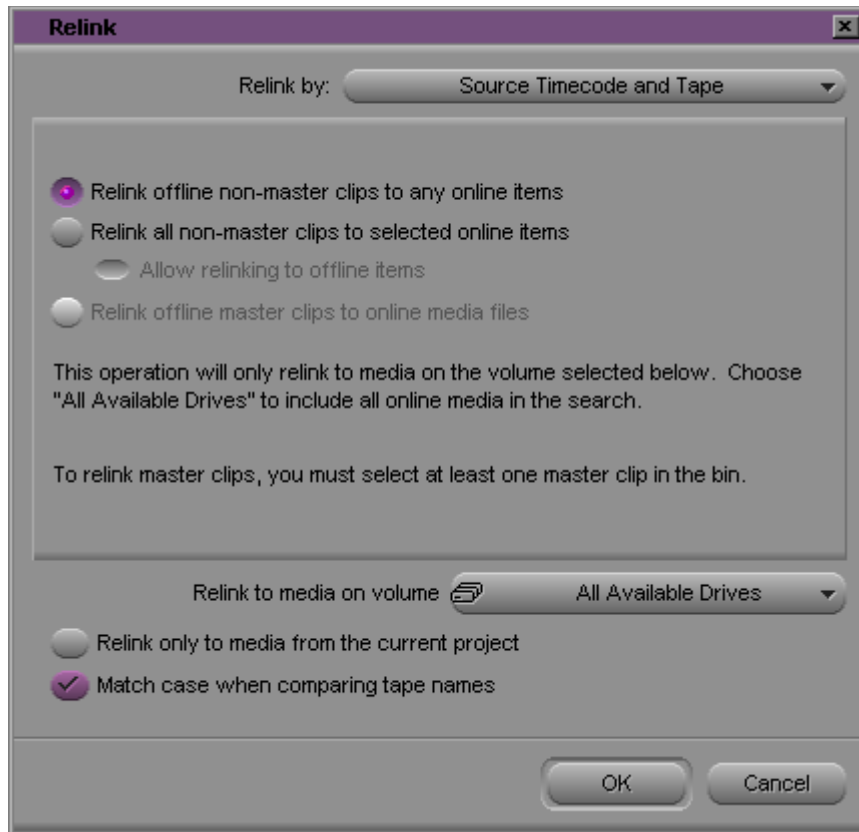
If you are going to capture audio from a multi-stream file, make sure to select the option “Import audio into separate audio tracks” in the New Sequence dialog box.

- b. Capture and edit the media.
 - c. Export an AAF file—see [“Outputting the Timeline Sequence to Media Composer” on page 15](#).
3. If you are transferring media to the Avid editing system, rather than sharing in an Avid Unity environment, do one of the following:
 - If you are transferring media over a network, copy the MXF audio storage and the MXF video storage to the local drive.
 - If you are transferring media on a removable drive, connect the drive.
4. On the Avid editing system, open a project with a matching frame rate.
5. Import one or more AAF files.

The Avid editing system creates a master clip for each AAF file.

6. Select the new master clips and select **Clip > Relink**.

The Relink dialog box opens.



7. Deselect the option **Relink only to media from the current project**, accept the other defaults, and click **OK**.

The master clips are relinked with the MXF media.



You can use the Media Tool to create master clips, but this method does not always work, for example, when a clip from Avid DS includes alpha.

Media Composer Macintosh systems, and other Macintosh-based Avid editors, cannot use MXF media created by Avid DS, due to a 31-character file name limit. This situation occurs when an Avid DS system creates a storage on a Unity volume to share with other Avid editing systems. This problem does not affect Windows systems.

Configuring your Storage Locations

Once all the workstations in your Avid DS workgroup have been set up and installed with the necessary software, you need to specify your storage areas so that they can be viewed or shared by other clients in the workgroup. This configuration of storage areas is done through the Media Storage Configuration tool in Avid DS. All storage areas are configured within your workstation's media indexing service.

Defining your Storage Areas within the Media Indexing Service

You must define all storage areas that you need to access inside a configuration called a media indexing service. The Avid DS media indexer scans all storages defined for each workstation and indexes the media for quick and efficient access.



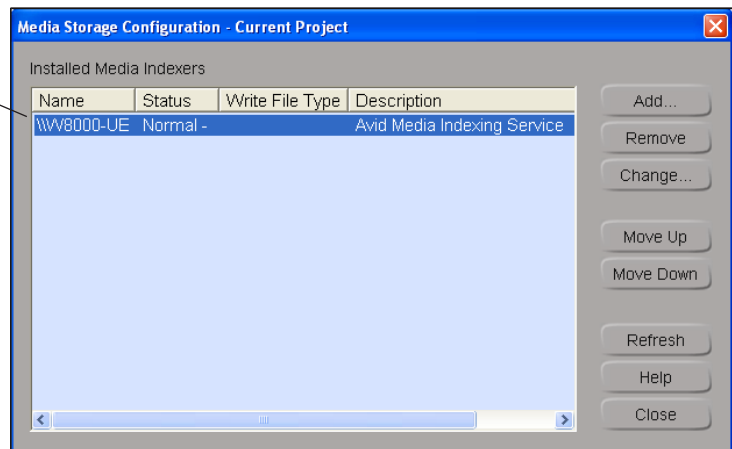
If you are configuring the media indexing service on the controller, see “Accessing Storage on another Workstation” on page 114. The procedure describes how to include storage areas on other Avid DS workstations in the workgroup, so that workstations can access each other's media.

To define your storage areas in the media indexing service:

1. In Avid DS, select **Data Management > Configure Storages**.

The Media Storage Configuration - Current Project dialog box displays the media indexing services that were automatically configured for your workstation when Avid DS was installed.

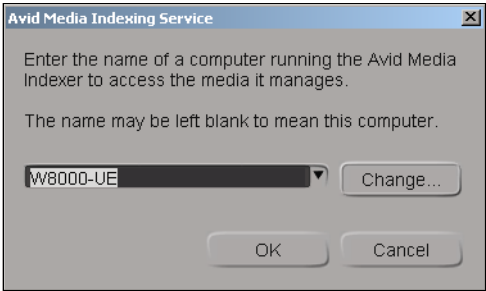
Your workstation's media indexing service is indicated by the computer name



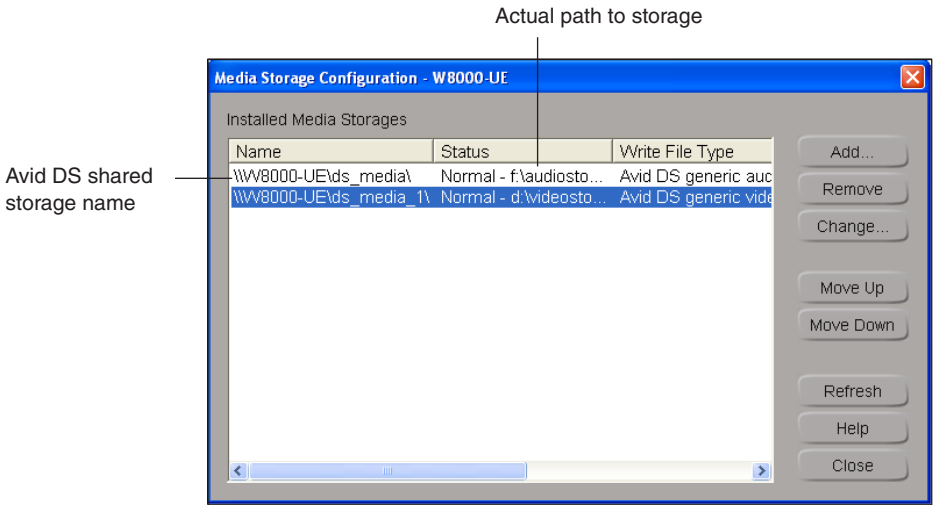
2. Select your workstation's media indexing service, and click the **Change** button.

The Media Indexing Service dialog box displays.

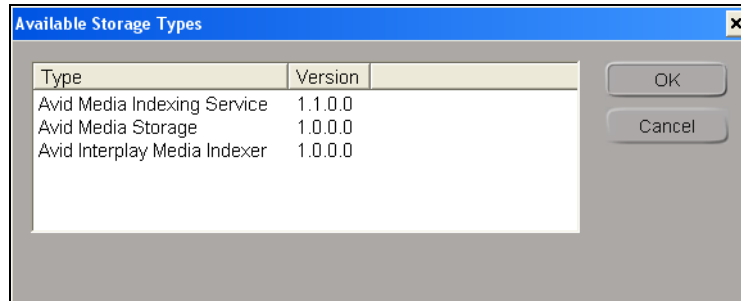
7 Managing Your Storage Areas



- 3. Leave the workstation name as it is and click the **Change** button.
- The list of storage areas that have already been defined in this indexing service displays. Each storage area is uniquely identified by the workstation name and folder where the media resides.

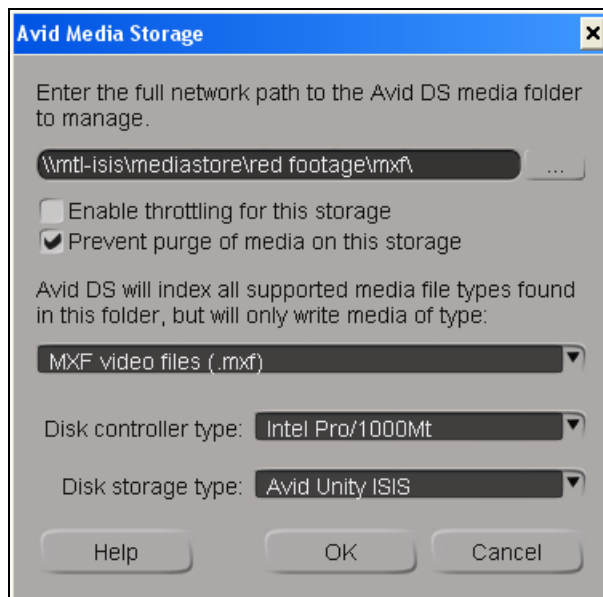


- 4. To add a new *storage*, click the **Add** button.
- 5. The Available Storage Types dialog box, select **Avid Media Storage** and click **OK**.



- Enter the full Windows path name (`\\workstation_name\folder_name`) where the storage area is located, or use the browse (...) button to find it. For example, `\\DSSStorage4\Video`.

If you are connecting to a folder on an Avid Unity, then click the browse (...) button and locate the Avid Unity workspace folder. For example, `\\Unity_server_name\allocation\workspace\folder_name`.
Do NOT use a drive letter.



- If you are working in a workgroup where an Avid DS RP is installed, select the **Enable throttling for this storage** option. The Avid Throttle Manager allows for more efficient bandwidth management between your workstation, storage areas, and the Avid DS RP workstation.

7 Managing Your Storage Areas

8. If this storage is for sharing MXF media with another Avid editing system such as Media Composer, then select **Prevent purge of media on this storage**. This makes the storage “read-only”.
9. Select the media type that you will store in this folder:



If there are different media types in your storage, you must add a storage configuration for each different type (e.g. generic audio, generic video, MXF audio, MXF video, etc.)

For this storage folder	Select this option(s)
Video media imported or generated media by Avid DS (read/write).	generic video (.gen)
Audio media imported or generated media by Avid DS (read/write).	generic audio (.wav)
Media that is going to be read-only, but not overwritten. e.g. OMFI media that will be used by other Avid editing systems.	None
For MXF media: Folders that contain MXF media must be defined separately within your media indexing service.	
 <i>You need to set up separate MXF folders for Avid DS and any other Avid editing systems—see “Sharing MXF Media” on page 105.</i>	
MXF audio (purgeable) — Read Only	MXF audio files (.mxf)
MXF video (purgeable) — Read Only	MXF video files (.mxf)
MXF audio (non-purgeable)	• MXF audio files (.mxf) • Prevent purge of media on this storage
MXF video (non-purgeable)	• MXF video files (.mxf) • Prevent purge of media on this storage

10. From the **Disk Controller Type** list, select the card that is installed in your workstation.
11. From the **Disk Storage Type** list, select the storage type that you are using.

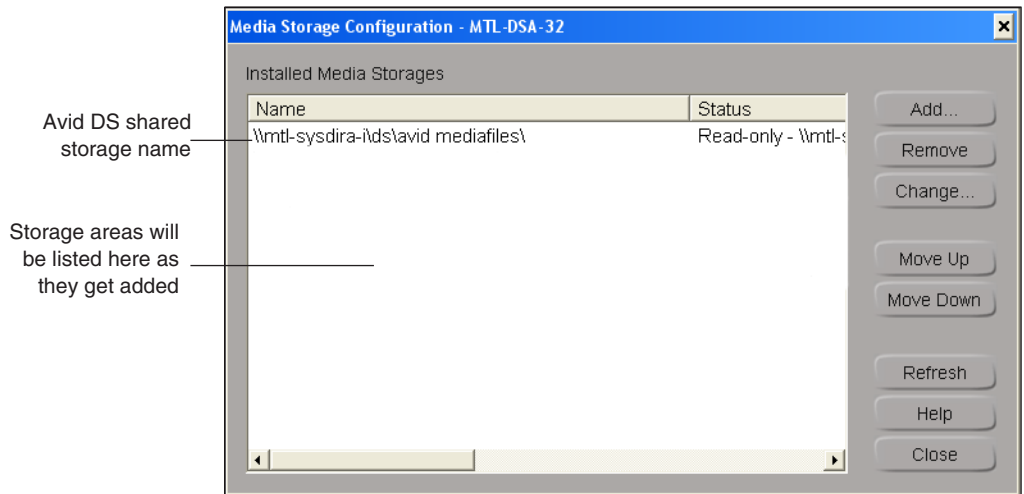
The disk options set the appropriate bandwidth for Avid DS to use when transferring data to the storage. Choose the appropriate options for your storage device to obtain the best performance for real-time effects.



If your storage device does not appear in the list, it may be because it was installed after Avid DS was installed. To make sure that it appears in the list, restart Avid DS so that the software detects the device.

12. Click **OK**.

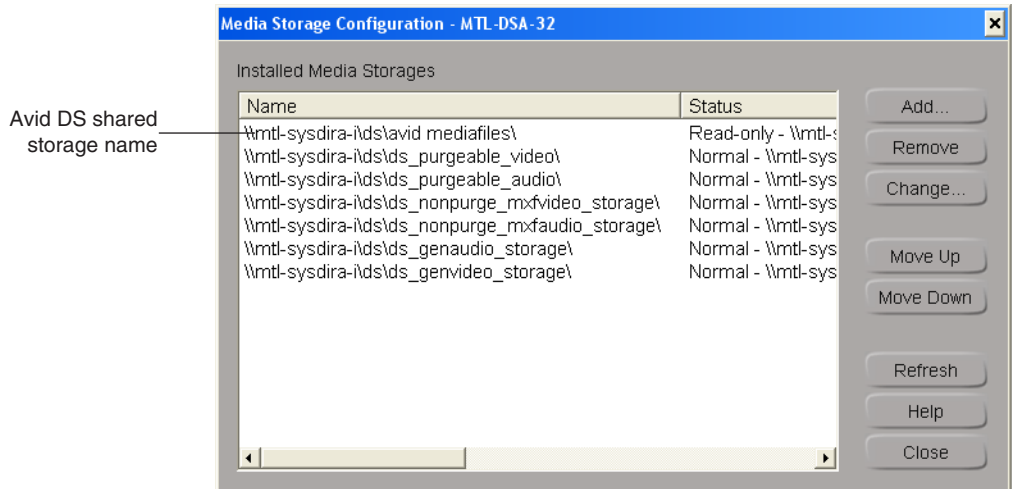
The storage area is added to the Media Storage Configuration list.



13. Continue to add storage areas for all folders to which you need access.

If there are different media types in your storage, you must add a storage configuration for each different type (e.g. generic audio, generic video, MXF audio, MXF video, etc.)

14. Storages are accessed and indexed in the order in which they are listed. Use the Move Up or Move Down buttons to change the order of priority.



7 Managing Your Storage Areas

15. Click **Close** and then **OK** to return to the Media Storage Configuration - Workstation dialog box.
16. Click **Close** and then **OK** to return to the Media Storage Configuration - Workstation dialog box.
17. Click the **Close** button to save the configuration for the media indexing service.



By default, the media indexer sets any new storage areas to automatically have full read/write access by any user on the network. To restrict access to your media, you can change the share permissions through Windows—see [Sharing Folders and Setting Permissions in the Help](#).

The first time that you configure your storage, the media indexer will need to index the media on your storage device. This may take a while depending on the amount of media on your storage.

18. Once your storages have been indexed, you should stop and restart the media indexer—see [“Stopping and Starting your Avid Indexing Services” on page 119](#).

Accessing Storage on another Workstation

A media indexing service is defined for every Avid DS workstation in the workgroup. To access media on another workstation, you need to add that workstation’s media indexing service to your own storage configuration. (It is more efficient to connect to the media indexing service on that workstation rather than directly to its storage area.)



When you import a sequence or clip from another project, Avid DS creates a connection to the media even if it resides on another workstation. If the storage where this media resides is not already configured on your workstation, Avid DS will automatically add a media indexing service for that storage in your own workstation’s storage configuration.

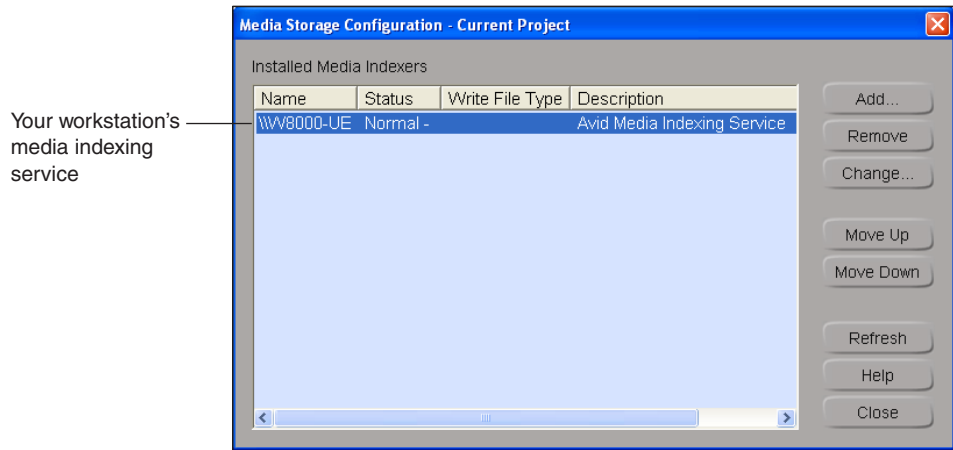
The Avid DS media indexing service can also index media on other Avid editing systems (Media Composer, Symphony). This media typically resides on a shared Unity workspace. This workspace should only contain media that needs to be conformed and used by Avid DS, as it is extremely time-consuming to index all the offline media on an Avid editing system.

If your Avid editing systems are within an Interplay environment, you need to connect to the Interplay media indexing service instead. The Avid Interplay media indexers manage the media more efficiently for Media Composer and Symphony workspaces on Unity—see [“Workgroup with Shared Storage in an Avid Interplay Environment” on page 101](#).

To access a media indexing service on another workstation:

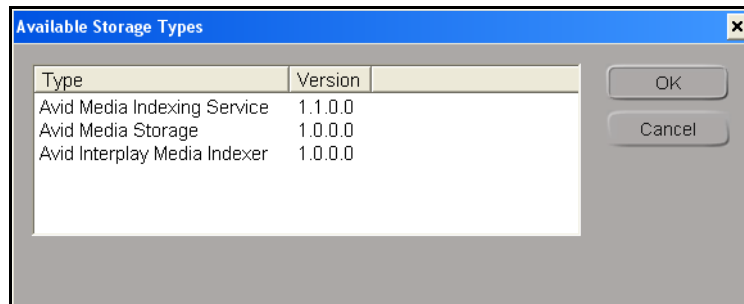
1. Select **Data Management > Configure Storages**.

The Media Storage Configuration - Current Project dialog box is displayed with a list of existing services.



2. To add a new *service*, click the **Add** button.

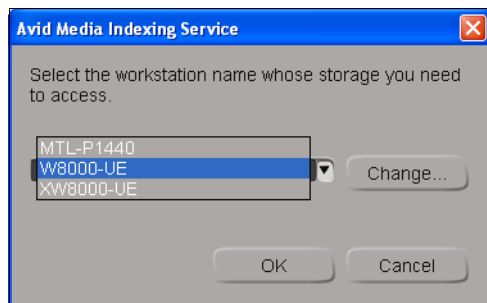
The Available Storage Types dialog box is displayed.



3. Select **Avid Media Indexing Service** and click **OK**.

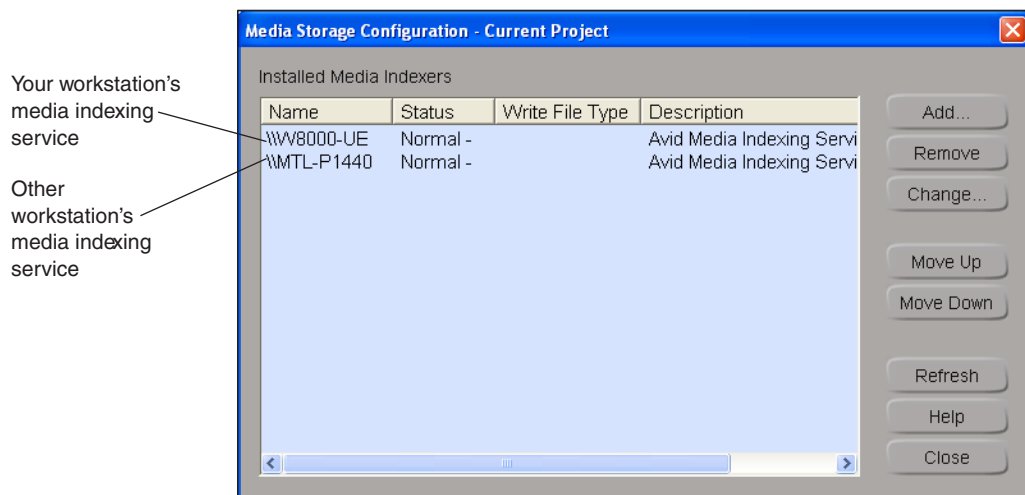
Avid DS scans the network for all workstations in your workgroup that are running media indexing services.

7 Managing Your Storage Areas



4. Select the workstation whose media indexing service you need to access, and click **Change**.
5. Click **Close** to accept this configuration.

The other workstation's service configuration is now added to your storage configuration.



6. Click the **Close** button to exit the Media Storage Configuration - Current Project dialog box.

To remove a media indexing service:

1. In the Media Storage Configuration - Current Project dialog box, select the service that you want to delete.
2. Click the **Remove** button.

The indexing service is no longer defined for the current project.

3. Click the **Close** button.

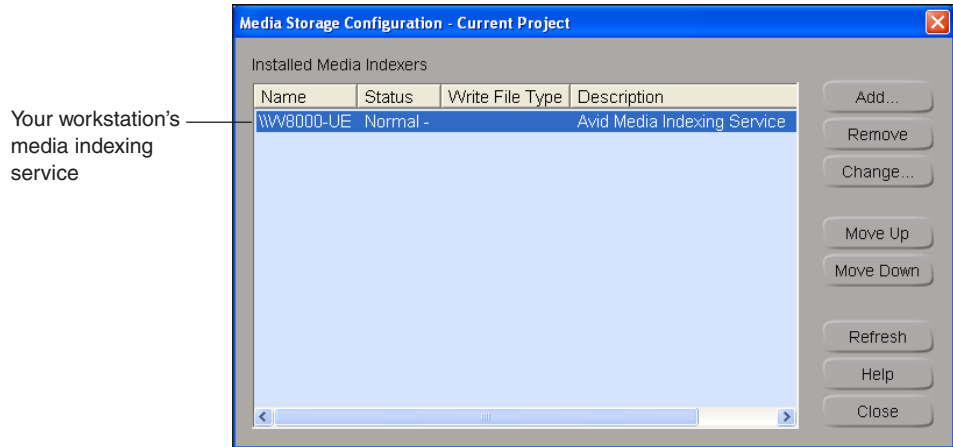
Accessing Storage on Workstations in an Avid Interplay Environment

A media indexing service is defined for every workstation in an Interplay workgroup. The media indexing service includes all storage folders that the workstation needs to access. To access media created by other Avid editing systems within an Interplay environment, you need to connect to that system's local Interplay media indexing service, or to the media indexing service for a group of Avid editing systems known as a High Availability Group (HAG).

To access an Interplay media indexing service:

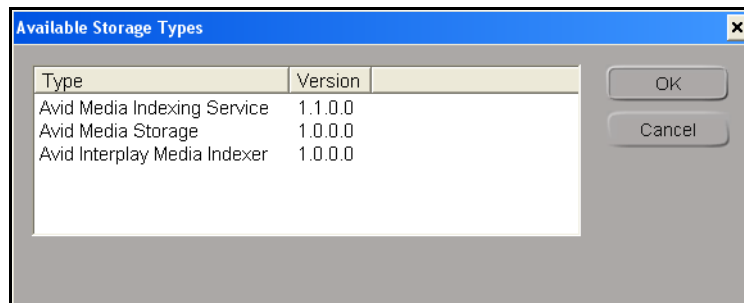
1. Select **Data Management > Configure Storages**.

The Media Storage Configuration - Current Project dialog box is displayed with a list of existing services.



2. To add a new *service*, click the **Add** button.

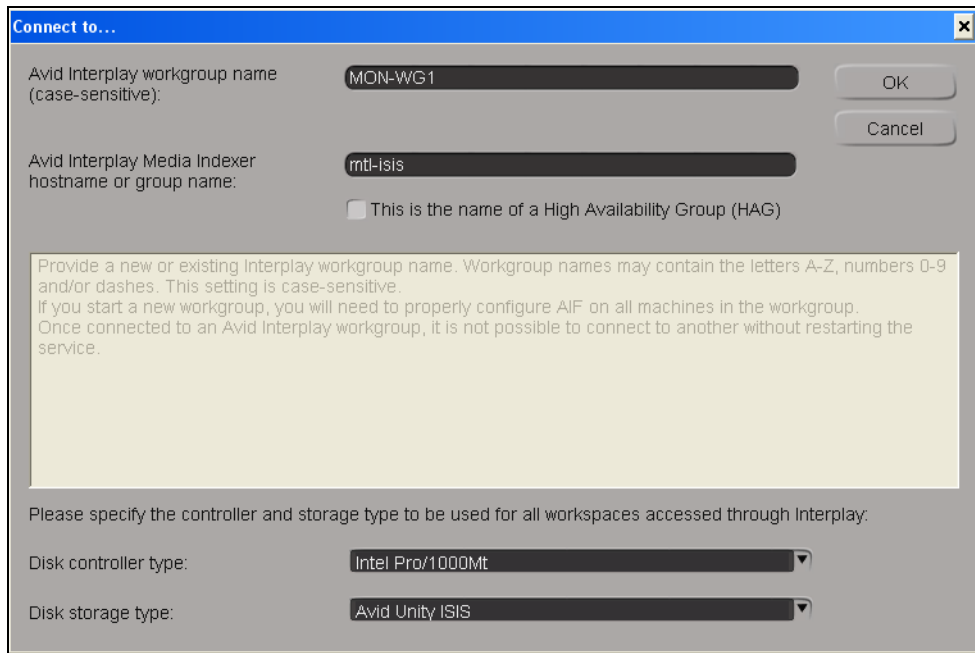
The Available Storage Types dialog box is displayed.



7 Managing Your Storage Areas

3. Select **Avid Interplay Media Indexer** and click **OK**.

A dialog opens for you to enter information about the Interplay media indexer to which you need to connect.



The dialog box, titled "Connect to...", contains the following fields and options:

- Avid Interplay workgroup name (case-sensitive):** A text field containing "MON-WG1".
- Avid Interplay Media Indexer hostname or group name:** A text field containing "mtl-isis".
- ☐ **This is the name of a High Availability Group (HAG)**
- Instructions:** A yellow-shaded box with text: "Provide a new or existing Interplay workgroup name. Workgroup names may contain the letters A-Z, numbers 0-9 and/or dashes. This setting is case-sensitive. If you start a new workgroup, you will need to properly configure AIF on all machines in the workgroup. Once connected to an Avid Interplay workgroup, it is not possible to connect to another without restarting the service."
- Controller and Storage Configuration:** A section with the text "Please specify the controller and storage type to be used for all workspaces accessed through Interplay:".
 - Disk controller type:** A dropdown menu showing "Intel Pro/1000Mt".
 - Disk storage type:** A dropdown menu showing "Avid Unity ISIS".
- Buttons:** "OK" and "Cancel" buttons are located on the right side.

4. Enter the name of the Avid Interplay workgroup where the media is located.
5. Enter the name of the Avid editing system whose local indexing service you need to access,
or
the name of the HAG where the shared indexing service is located, and select the **This is the name of a High Availability Group (HAG)** option.
6. Set the Disk Controller Type and Disk Storage Type.
7. Click **Close** to accept this configuration.
The Interplay media indexing service is now added to your storage configuration.
8. Click the **Close** button to exit the Media Storage Configuration - Current Project dialog box.

To remove a media indexing service:

1. In the Media Storage Configuration - Current Project dialog box, select the service that you want to delete.
2. Click the **Remove** button.

The indexing service is no longer defined for the current project.

3. Click the **Close** button.

Stopping and Starting your Avid Indexing Services

All media and project information, that is indexed on your workstation or in the Avid DS workgroup, is kept in the system memory. This information is only saved to a file (server.ummd for the Avid Media Indexer, and ummd_consumers for the Avid Project Indexer) when your system is shut down and the media and project indexing services are stopped.

Therefore, it is good practice to stop and start your services at the end of the day so that the indexing information is written to a permanent file. The media indexer needs to be stopped on each Avid DS workstation. The project indexer only needs to be stopped and started on the workstations where the project files reside (i.e. either the Avid DS client or the Avid DS controller).

To stop/start the indexing services:

1. Close the Avid DS application.
2. Click the Windows Start button, and select Control Panel.
3. Double-click Administrative Tools.
4. Double-click Computer Management.
5. Select Services and Applications > Services.
6. In the list on the right, right-click on Avid Media Indexer and select Stop*.
7. If the Avid Project Indexer is also in this list, right-click on it and select Stop*.



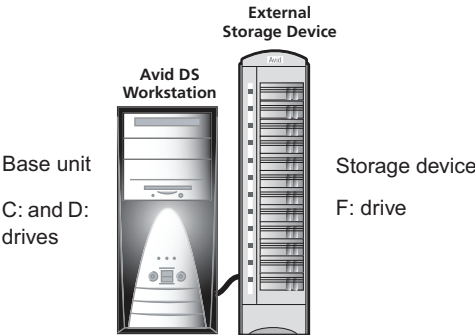
**Stopping these services may take some time and even exceed the Windows allocated time. If this happens, you will get a notification from Windows that the service could not be stopped. Ignore this warning and click OK, then wait for the service to stop completely.*

DO NOT SHUT DOWN OR RESTART the system until the service is fully stopped or you will corrupt the table being saved. While saving, the services status appears as Stopping. Refresh the window until the Status indicates that the service is indeed fully stopped.

8. After both services indicate that they have been stopped, then right-click on each one again, and select Start.
9. Once the services are started, close all open windows.

About your Local Storage Area

Your Avid DS workstation includes a tower base unit and a storage device (disk array). All software, projects, and audio media are stored on the disk drive in the base unit, while the video media is stored on the drives in the storage device.



Except for the (C:) system partition, the letters for the above drives are only suggestions.

Depending on the storage choices that were made when your workstation was installed, several folders were created to hold various system files, project files, as well as media and cache files.

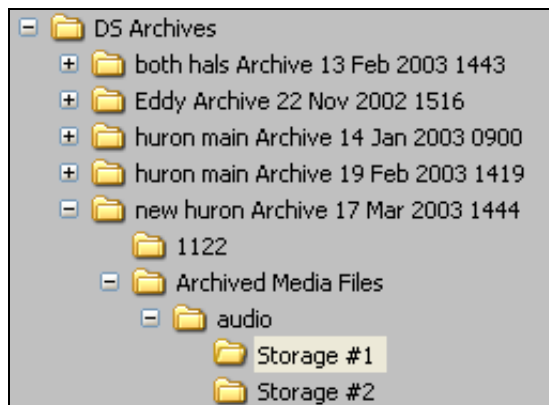
Folder	Description	Location
\DS_v10.x	Contains the files required to run Avid DS	C:\Program Files\Avid\DS_v10.x
\DS Archives	Contains information on archived projects	D:\DS Archives
\DS Projects	Contains the projects, sequences, and clips that you create in Avid DS	D:\DS Projects\DS_v10.x
\VideoStorage	Contains the video media and cache files captured or processed in Avid DS	F:\VideoStorage
\AudioStorage	Contains the audio media and cache files captured or processed in Avid DS	D:\AudioStorage
\Services	Contains the files required to run the Avid DS services	C:\Program Files\Avid\Services

The DS Archives Folder

The \DS Archives folder is used by Avid DS to keep track of archived projects. When you archive a project, an archive log file is saved in this folder, so that you can later restore your media. The archive log file also contains the Avid DS version number, so you know which version you were using when the archive was created.

Video media is always archived to tape and an EDL is generated called ArchiveTape.log. Only Avid DS can read this EDL during the restore process. If this file is missing from the archived project folder, the media cannot be restored.

Archived audio media or archived audio cached media is stored in this folder. Under each project archive folder, the audio (.wav) media files are stored in a folder called Archive Media Files\audio, which contains each audio storage ID, labelled #1, #2, and so on.



When the project is restored, these folders are copied to their corresponding audio storages.

The DS Projects Folder

The \DS Projects folder must be shared (default at install). It contains the projects that you create with Avid DS. Each time you create a new project, you are prompted to select a location for the project folder. You must keep all your projects under the root \DS Projects folder.

The project folder contains the clips and sequences associated with a project. Each project folder also contains the \System folder.



Note the following:

- *Do not move, delete, or modify the contents of the \System folder.*
- *Never manually move a project between Avid DS workstations. Use the Archive/Restore feature of Avid DS instead.*
- *Never duplicate a project within an Avid DS workgroup.*

The \System folder contains the following information:

Source models: These data structures allow Avid DS to manage the relationship between clips, sequences, and their media. Each time you capture media from a new source, Avid DS creates a corresponding source model, which tracks the time span, quality, and location of the different media files captured from that source. When you play back a clip from that source, Avid DS consults the appropriate source model to locate the media.

DSprojectinfo: This file contains information about the project format and other project preference settings. For more information on project preferences—see [Creating a Project](#) in the Help.

The DSPresets Folder

The \DSPresets folder contains presets, which you can use to define effects, transitions, graphics tools, and so on. The presets that are shipped with Avid DS are stored in this folder by default.

Avid DS also creates a \DSPresets folder in each project folder. This lets you store user presets that are specific to a particular project with that project. You can also specify, as part of your user preferences, locations for your own and shared workgroup presets.

The VideoStorage and AudioStorage Folders

The \VideoStorage folder must be shared (default at install). It contains individual folders for each project. Each folder contains the video media and cache files for that project. Each folder's name is generated by the software and is based on a unique identification string (called a *GUID*) that identifies each project.

The \AudioStorage folder must be shared (default at install). It contains individual folders for each project. Each folder contains the audio media files for that project.



Do not delete audio or video media files or folders using Windows Explorer. If you want to delete a media file, use the Purge or Delete command in Avid DS. For more information on deleting clips and/or purging media—see [Managing Media and Projects](#) in the Help.

The DSSystem Folder

The C:\Program Files\Avid\DS_v10.x\DSSystem folder contains system files and several folders used by Avid DS.

Folder	Description
\DSSystem\temp\user_account_name	Contains the autosave files, viewer and test pattern bitmaps, some critical Avid DS system files, RP jobs log, and the crash log. Before modifying anything in this folder, contact Avid DS Customer Service.
\Rsrc	A resource folder for the 3D database
\SoftDB	Contains the 3D database used by the 3D Warp effect



The Autosave files are saved under \Program Files\Avid\DS_v10.x\DSSystem\Temp.username and have four duplicates. Keep monitoring your sufficient disk space, otherwise the software and/or operating system may cease to operate. After the installation, the drive must have over 20% of free space at all times.

8 Understanding the Avid Interplay Media Services System

The Avid Interplay Media Services system uses the concept of service providers. The Media Services Engine manages the various providers. A provider is a software program that can perform a particular service for an Avid editing application, such as transcode, archive, and restore of assets.

You can use the Avid Interplay Media Services in a workgroup. A workgroup enables collaborative workflows by allowing multiple editors to share media. For diagrams showing typical shared-storage workgroup configurations, see *Avid Interplay Best Practices*.

Media Services Software Components

The software used to manage media services is composed of two major components: the Media Services Engine and the Media Services and Transfer Status tool. Also available is the standalone Media Services and Transfer Status tool software that lets you manage media services from another system on the network.



The Avid Interplay Media Services server and any clients need the Avid Interplay Access software and the Avid Interplay Framework for Client software installed.

Understanding the Media Services Engine Software

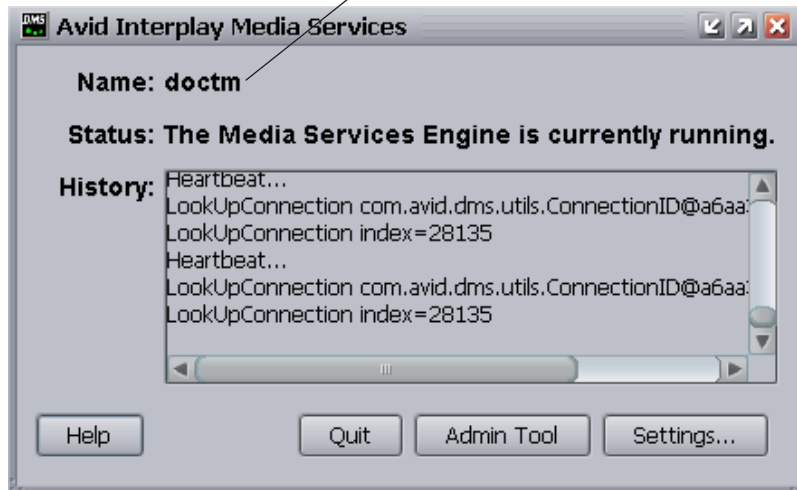
The Media Services Engine matches jobs and their corresponding settings with suitable providers. The Media Services Engine is a repository of job and provider information. It lets individual providers choose jobs that they are able to process according to the service for which they are configured.

The Media Services Engine should not reside on the same computer as an Avid editing application. The Media Services Engine might be installed on a provider system, depending on the individual provider, and workload and memory usage of the particular computer.

The Avid Interplay Media Services window displays current information about the status of the Media Services Engine, including the host name for the system on which the Media Services Engine resides. The Media Services Engine uses the host name to identify itself on the network.

Avid Interplay Media Services window

Host name of the system where the Interplay Media Services Engine resides.



The Avid Interplay Media Services window provides access to the Media Services and Transfer Status tool. For information about using the Media Services and Transfer Status tool, see [“Using the Media Services and Transfer Status Tool” on page 135](#).

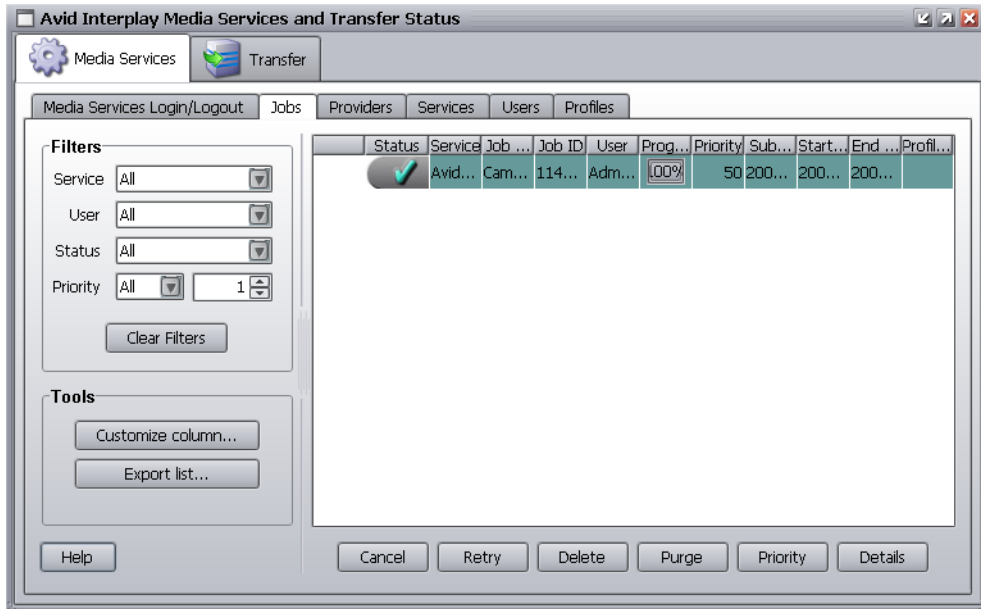
You can also set Interplay Media Services settings from the Avid Interplay Media Services window. For information on setting the Interplay Media Services settings, see [“Configuring the Media Services Engine” on page 132](#).

For a procedure on starting the Interplay Media Services Engine, see [“Starting the Interplay Media Services Engine” on page 129](#).

Understanding the Avid Interplay Media Services and Transfer Status Tool

The Avid Interplay Media Services and Transfer Status tool communicates with the Avid Interplay Media Services Engine to let you manage media services. The Media Services and Transfer Status tool installs with the Interplay Media Services software. Media services, such as Avid Interplay Transcode, are layered on the software infrastructure known as Interplay Media Services.

8 Understanding the Avid Interplay Media Services System



The Media Services Engine and the Media Services and Transfer Status tool manage all media services. The Media Services and Transfer Status tool performs three types of functions:

- Provides detailed information about Media Services, based on lists of jobs, encoders, profiles, and users.
- Provides controls for managing services and registering providers.
- Provides controls for managing Media Services such as canceling jobs, deleting provider software, creating or deleting profiles, and creating or deleting users.

The functions you can perform depends on your user rights. Administrators can perform the following tasks:

- Register and delete providers
- View details on any job
- Delete jobs submitted by any user
- Purge the jobs list

Regular users can perform administrative tasks only on their own jobs.

For information about the Media Services and Transfer Status tool, see [“Media Services and Transfer Status Tool User Interface”](#) on page 138.

Understanding the Standalone Media Services and Transfer Status Tool

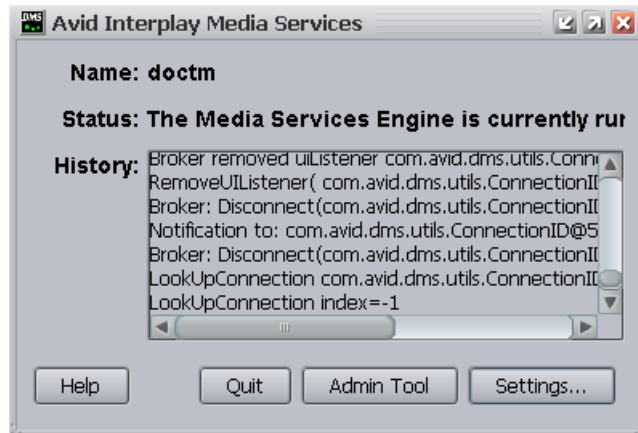
The standalone Media Services and Transfer Status tool software communicates with the Interplay Media Services to let you manage media services from any system that has the Media Services and Transfer Status tool software installed.

Starting the Interplay Media Services Engine

To start the Interplay Media Services Engine:

- ▶ Click **Start** and select **Programs > Avid > Avid Interplay Media Services**.

The Avid Interplay Media Services window opens.



9 Interplay Media Services Configuration

This section describes how to configure the Interplay Media Services Engine.

For details on setting up the Media Services system in an Avid Unity workgroup environment, see the *Avid Interplay Server Installing and Configuring document*.

Configuring the Media Services Engine

After installing the Media Services Engine software, you can configure the Media Services Engine to send e-mail notifications about the status of jobs. You can also identify the workgroup's Avid Interplay Server. By identifying the Avid Interplay Server, when you log in to the Media Services Engine, the Media Services user information is updated with the user information in the Avid Interplay Administrator.

To configure the Interplay Media Services Engine for e-mail notification and user information:

1. Click Start and select **Programs > Avid > Avid Interplay Media Services**.

The Avid Interplay Media Services window opens.

2. Click **Settings**.

The Avid Interplay Media Services Engine Settings dialog box opens.

3. Type localhost in the Database Computer Name text box.
4. In the SMTP (Simple Mail Transfer Protocol) Server text box, type the name of your local mail server (for example, *mail.mycompany.com*). If you don't know the name of your local mail server, ask your network administrator.
5. In the From Address text box, type an e-mail address for the Media Services Engine. For example, *broker@mycompany.com*.
6. (Option) You can configure an SMTP Username and SMTP Password if your network supports secure e-mail. These settings give the Media Services Engine a name and password so that it can successfully send e-mail notification. If a network does not use secure e-mail, the settings do not apply and are disregarded.



The Clean Start option is reserved for future use. Make sure it is set to No.

7. In the Interplay Engine Hostname text box, type the host name of the Avid Interplay Server.

If this text box is left blank, the Media Services user information in the Avid Interplay Administrator is not used for authentication during login.

8. Click **OK**.

The Avid Interplay Media Services Engine Settings dialog box closes.

10 Using the Media Services and Transfer Status Tool

This chapter explains how to use the Media Services and Transfer Status tool.

For an overview of the Media Services and Transfer Status tool, see [“Understanding the Avid Interplay Media Services and Transfer Status Tool”](#) on page 127.

Opening the Media Services and Transfer Status Tool

The Media Services and Transfer Status tool can be used on any computer that has an internet connection to a computer running the Media Services Engine. Media Services clients include the Media Services and Transfer Status tool software.



Using the Media Services and Transfer Status tool on a standalone system requires the installation of the Avid Interplay Media Services and Transfer Status software. For information, see “Installing Avid Interplay Media Service and Related Applications” on page 69.

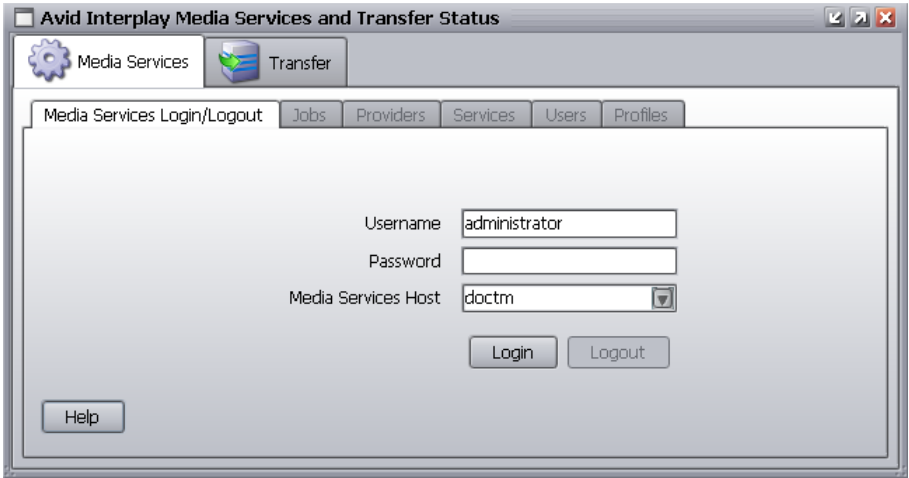
To open the Media Services and Transfer Status tool:

1. Do one of the following:
 - ▶ From the Avid Interplay Media Services window, click **Admin Tool**.
 - ▶ From the Avid Interplay Access application, select **Tools > Interplay Media Services Status**.
 - ▶ From the Avid Interplay Administrator, in the Site Settings area, click the icon. When you open the Media Services and Transfer Status tool from the Avid Interplay Administrator, the name is “Interplay Media Services.”

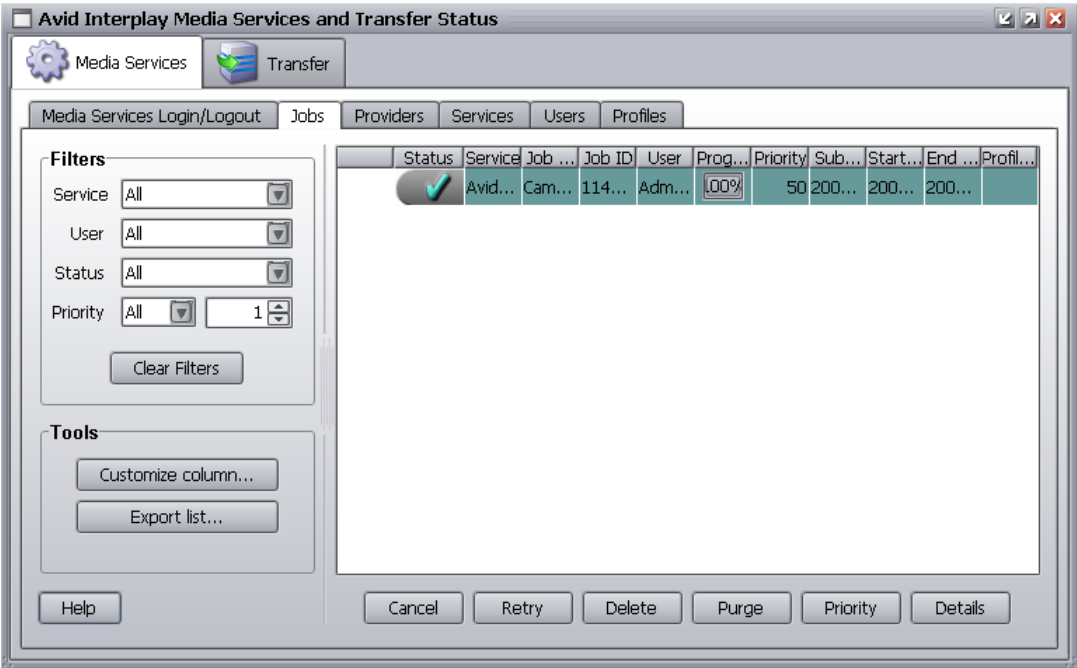
The Media Services and Transfer Status tool login window opens.

2. Type your username and password. See “[Understanding the Users Page](#)” on page 152.
3. Type the host name of the system on which the Media Services Engine resides in the Media Services Host text box.

The Media Services host name is the name of the computer that the Media Services Engine runs on. You can find the host name in the Name field of the Avid Interplay Media Services window. Previously typed host names are available from the Media Services Host menu.



4. Click the **Login** button.
- If the username and password are accepted, the Jobs page opens.



Media Services and Transfer Status Tool User Interface

The Media Services and Transfer Status tool user interface is made up of five pages. The tab selected determines which page of the Media Services and Transfer Status tool is displayed. The page displayed determines the Media Services and Transfer Status tool’s functional mode and which of the mode-related controls — also referred to as pages — are displayed. The pages are described in the following table:

Media Services Status Administration Tool Pages

Page	Description	Refer to
Jobs	Displays the status and other information about jobs submitted to the Media Services Engine. Lets you cancel or retry jobs, depending on your level of privilege.	“Using the Jobs Page” on page 138
Providers	Displays information about systems that are running Media Services provider software. Lets you register and delete providers, depending on your level of privilege.	“Understanding the Providers Page” on page 146
Services	Displays a list of services and service information. Lets you install and delete services.	“Understanding the Services Page” on page 149
Users	Displays a list of user accounts. Lets you create and delete accounts, depending on your level of privilege.	“Understanding the Users Page” on page 152
Profiles	Lets you create templates to use when performing an operation.	

Using the Jobs Page

The Jobs page displays information about Media Services jobs and lets you cancel, delete, and retry jobs. The Jobs page opens by default after you log in to the Media Services and Transfer Status tool.

Jobs Page Information

The Jobs page displays information about jobs submitted to the Media Services Engine. The following table describes the information displayed on the Jobs page.

Jobs Page Column	Description
Status	The colors and icons in the display indicate the status of the job: • Yellow bar with no icon = Job is processing. • Green bar with Check Mark icon = Job is completed. • Gray bar with Stop icon = Job has been canceled. • Caution icon = Job has failed with an error. • Gray bar with no icon = Job is pending or is in a queue.
Service	The name of the service to which the job was sent.
Job Name	The file name submitted by the client to Media Services Engine. This might have a suffix — determined by the particular service — appended to it.  <i>Administrators can view information about all jobs, whereas users without administrator privileges can view all jobs, but can only see the username and clip names of their own jobs.</i>
Job ID	A number automatically generated by the Media Services Engine.
User	The name of the user who submitted the job. For example, transcode jobs display the Avid editing system host name.  <i>Administrators can view information about all jobs, whereas users without administrator privileges can view all jobs, but can only see the username and clip names of their own jobs.</i>
Progress (%)	The percentage of the job completed.
Priority	The priority of the job, as submitted by the client.
Submit Time	The date and time the job was submitted by the client to the Media Services Engine.
Start Time	The date and time that the provider started the job.
End Time	The date and time that the provider reports the job is complete.
Profile Name	Indicates if a profile was used and displays the profile's name.

Customizing the Jobs Page Columns

The Media Services and Transfer Status tool provides options to customize the columns displayed on the Jobs page.

To customize which columns display on the Jobs page:

1. Open the Media Services and Transfer Status tool. For more information, see [“Opening the Media Services and Transfer Status Tool” on page 136](#).

The Jobs page opens by default after you log in to the Media Services and Transfer Status tool.

2. In the Tools area, click **Customize columns**.

The Choose Columns dialog box opens.

3. Select the name of the columns you want to display.
4. Click **OK**.

The columns change to show the selections.

5. (Option) Click a column heading and drag it to a new location.

Filtering the Jobs List

By default, the Jobs list displays all jobs that the Media Services Engine is currently monitoring. You can customize your view to show only your jobs, to show jobs for a specific service, or to show only jobs in a selected state.



Users with Administrator privileges are allowed to cancel or delete any job. Users not having administrator privileges can only cancel or delete jobs submitted by that user.

To customize the Jobs list:

1. Open the Media Services and Transfer Status tool. For more information, see [“Opening the Media Services and Transfer Status Tool” on page 136](#).

The Jobs page opens by default after you log in to the Media Services and Transfer Status tool.

2. In the Filters area, click the **Service** menu, and select a service.
3. In the Filters area, click the **User** menu, and select All Users or a specific user name.
4. In the Filters area, click the **Status** menu, and select one of the following:
 - All — Displays all jobs with their current status.
 - Processing — Displays only jobs that are currently being processed.
 - Completed — Displays only jobs that have been successfully processed.

- Canceled — Displays only jobs that have been canceled by a user with administrator privileges.
 - Error — Displays only jobs that have stopped with an error.
 - Pending — Displays only jobs that are waiting to be processed.
5. In the Filters area, click the **Priority** and select one of the following:
- ALL — Displays all priority jobs.
 - > — Displays all priority jobs greater than the number indicated.
 - < — Displays all priority jobs fewer than the number indicated.
 - = — Displays all priority jobs equal to the number indicated.
- The Jobs page displays jobs that meet the criteria you selected.

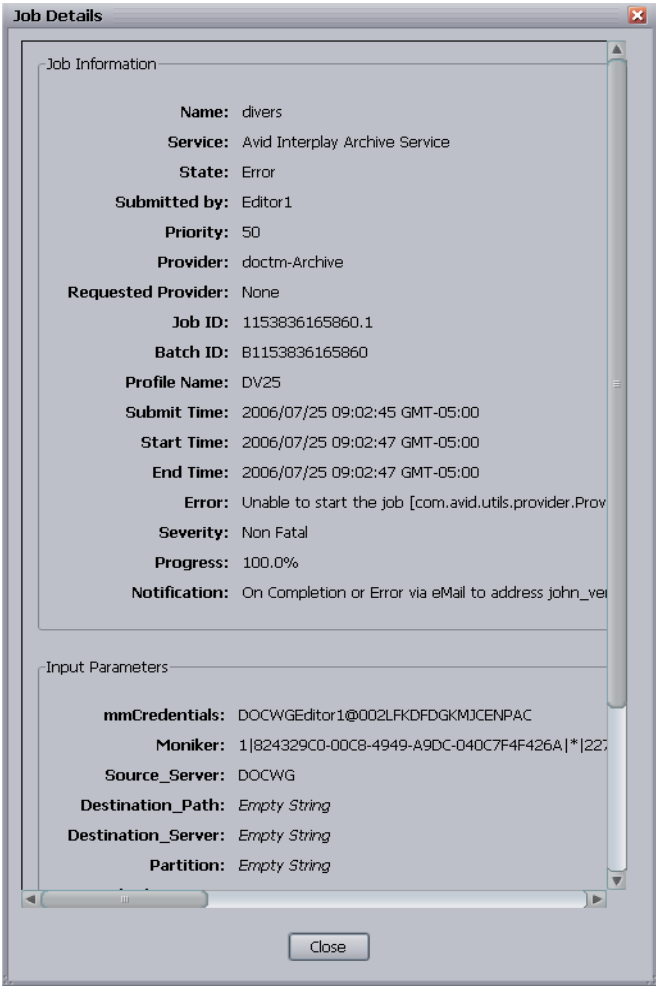
Viewing Details About a Job

You must be logged in as the job owner or as an administrator to view a job's details.

To view details about a job:

1. Open the Media Services and Transfer Status tool. For more information, see [“Opening the Media Services and Transfer Status Tool” on page 136](#).
2. On the Jobs page, select the job that you want details about.
3. Click the **Details** button.

The Job Details window opens.



Job Details Window

The following table provides descriptions of the type of job information displayed in the Job Details window.

Entry	Description
Job Information	
Name	The name of the file submitted by a client to Media Services Engine. It might include information appended to the file name, depending on the service requirements.

Entry	Description
Job Information	
Service	The Media Services service for which the job was submitted; for example, ProEncode.
State	The current state of the job.
Submitted By:	The user name associated with the job, as submitted by the client.
Priority	The priority of the job, as submitted by the client.
Provider	The name of the encoder, as registered with the Media Services Engine.
Requested Provider	The name of the provider requested, if one was specified.
Job ID	A number automatically generated by the Media Services Engine.
Batch ID	The number of the batch containing the job.
Profile Name	The name of the profile used for the job, if a profile is used.
Submit Time	The date and time the job was submitted by the client to the Media Services Engine.
Start Time	The date and time the provider picks up the job.
End Time	The date and time the job was reported as complete by the provider.
Progress	The percentage of the job that has been processed.
Notification	Displays whether notification of job completed or job error is enabled or disabled.
Input Parameters	The list of Input parameters varies for each service.

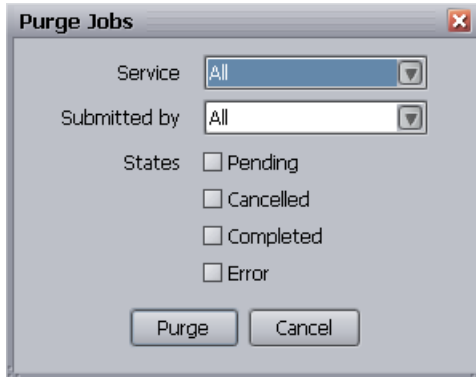
Purging the Jobs List

The purge function is available only to users with administrator privileges.

To purge the Jobs list:

1. Log on to Media Services Engine as a user with administrator privileges.
2. Open the Media Services and Transfer Status tool. For more information, see [“Opening the Media Services and Transfer Status Tool” on page 136](#).
3. On the Jobs page, click the **Purge** button.

The Purge Jobs dialog box opens.



4. Click the **Service** menu, and select the applicable service.
5. Click the **Submitted by** menu, and select a particular user or All, depending on the jobs you want to purge.
6. Select which states of jobs you want to purge.
7. Click the **Purge** button.

The Jobs list no longer contains the jobs you selected. If a purge fails, a dialog box opens with a list of the jobs that failed to delete and a reason for the failure.

Prioritizing a Job

You can prioritize the order of the pending jobs. The priority number assigned to a job indicates the job's position in the queue for a specific provider. This setting lets you order jobs in a desired sequence and also move a job to the top of the queue. Priority numbers range from 1 (highest priority) through 100 (lowest priority). The default priority number assigned to each job is 50.

When you assign a priority number to a job, the actual order in the queue depends on:

- If the same priority number is assigned to several jobs of a specific provider, then all these jobs have an equal chance of executing.
- Priority numbers are relative only to jobs within a given service. For example, a transcode job set with priority 1 might not execute before an archive job with priority 100.

To prioritize a job:

1. Open the Media Services and Transfer Status tool as described in [“Opening the Media Services and Transfer Status Tool” on page 136](#).
2. On the Jobs page, select the job you want to prioritize.

3. Click the **Priority** button.

The Set Job Priority dialog box opens.

4. Click the arrow button to select a priority number.

The default is 50. The priority range is 1 (highest priority) through 100 (lowest priority).

5. Click **OK**.

The Priority column displays the new priority for the job.

Canceling a Job

Jobs can be canceled during the Pending or the Processing state. A user can cancel only jobs that have been submitted under his or her Media Services user name. An administrator can cancel any job.

Providers periodically check the Media Services Engine for jobs that might need to be canceled. When a job is canceled, it might take a short time for the job to actually stop and the status change to be reflected. It is also possible that a job might finish before it can be canceled. In this case, a dialog box might open stating that the Media Services Engine was unable to cancel the job.

To cancel a job:

1. Open the Media Services and Transfer Status tool as described in [“Opening the Media Services and Transfer Status Tool” on page 136](#).
2. On the Jobs page, select the job that you want to cancel.
3. Click the **Cancel** button. A dialog box opens and asks if you are sure you want to cancel the job.
4. Click **OK** to cancel the job.

The job remains in the Jobs list, but the state changes to canceled.

Deleting a Job

To delete a specific job or all jobs on the Jobs page:

1. Open the Media Services and Transfer Status tool. For more information, see [“Opening the Media Services and Transfer Status Tool” on page 136](#).
2. On the Jobs page, select the specific job you want to delete.
3. Click the **Delete** button. A dialog box opens and asks if you are sure you want to delete the job.
4. Click **OK** to delete the job.

Retrying a Job

You can retry a job that is in the canceled state or error state.

To retry a job:

1. Open the Media Services and Transfer Status tool as described in [“Opening the Media Services and Transfer Status Tool” on page 136](#).
2. On the Jobs page, select the job you want to retry.
3. Click the **Retry** button.

The Media Services Engine changes the state to Pending and places the job in the queue for the next available provider.

Exporting the Jobs List

You can export the current Jobs list from the Media Services and Transfer Status tool.

To export the Jobs list:

1. Open the Media Services and Transfer Status tool. For more information, see [“Opening the Media Services and Transfer Status Tool” on page 136](#).

The Jobs page opens by default after you log in to the Media Services and Transfer Status tool.

2. In the Tools area, click **Export** list.
A Save dialog box opens.
3. Select a location for the Jobs list file.
4. Type a name for the Jobs list file.
5. Click **Save**.

Understanding the Providers Page

The Providers page displays information about computers that are running provider software and are registered with the Media Services Engine. You can also view specific provider details and capabilities.

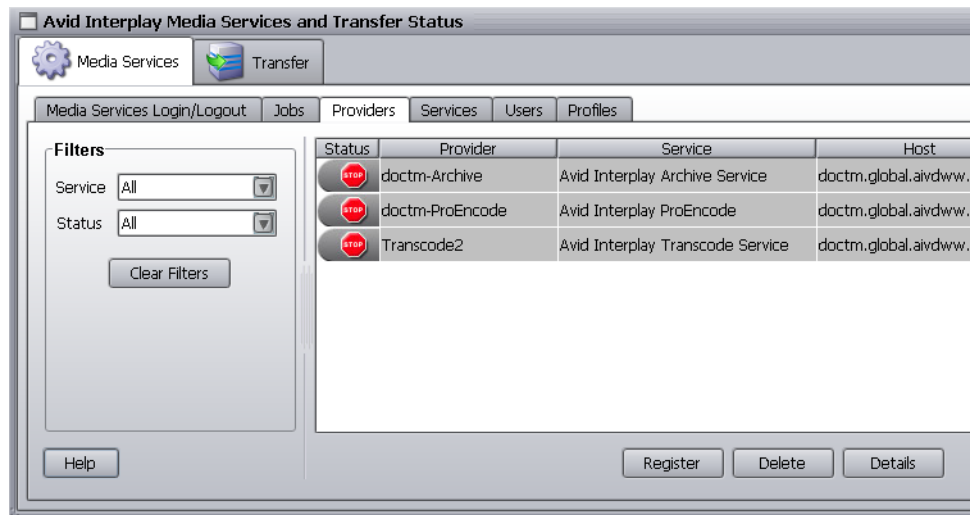
For information about using the Providers page to register a provider, see [“Registering the Provider” on page 156](#).

Opening the Providers Page

To open the Providers page:

1. Open the Media Services and Transfer Status tool as described in “Opening the Media Services and Transfer Status Tool” on page 136.
2. Click the **Providers** tab.

The Providers page opens.



The following table describes the information displayed on the Providers page.

Providers Page	Description
Status	Indicates whether or not the provider is connected to the Media Services Engine.
Provider	The name of the service provider, as registered with the Media Services Engine.
Service	The Media Services service for which the provider has been registered.
Host	The computer name of the provider.
Application	The name of the service provider application.
IP	The IP address of the computer of the provider.

Customizing the Providers Display

By default, the Providers page displays all providers that are registered with the Media Services Engine. You can customize your view to show only the connected providers or providers of a particular service.

To customize the Providers display:

1. Open the Media Services and Transfer Status tool as described in [“Opening the Media Services and Transfer Status Tool” on page 136](#).
2. Click the **Providers** tab. The Providers page opens.
3. In the Filters area, click the **Service** menu, and select the applicable service.
4. In the Filters area, click the **Status** menu, and select the applicable condition.

The Providers page displays providers that match your selections.

Viewing Details About a Provider

To view details about a provider:

1. Open the Media Services and Transfer Status tool as described in [“Opening the Media Services and Transfer Status Tool” on page 136](#).
2. On the Providers page, select the provider that you want details about.
3. Click the **Details** button.

The Provider Details window opens.

The following table provides descriptions of the type of provider information displayed in the Provider Details window.

Providers Page	Description
Name	The name of the service provider, as registered with the Media Services Engine.
Service	The Media Services service for which the provider has been registered.
Host Name	The computer name of the provider.
Application	The name of the service provider application.
IP Address	The IP address of the computer of the provider.
Connected	Indicates whether or not the provider is connected to the Media Services Engine.

Deleting Providers

If a provider is connected to the Media Services Engine, the provider cannot be deleted until it has been disconnected and all processing jobs are stopped. You must be logged in as an administrator to delete any providers.

To delete a provider:

1. Open the Media Services and Transfer Status tool as described in [“Opening the Media Services and Transfer Status Tool” on page 136](#).
2. Click the **Providers** tab. The Providers page opens.
3. Select the provider, and click **Delete**.

A dialog box opens and asks if you are sure you want to delete the provider.

4. Click **OK**.

The provider is no longer registered with the Media Services Engine. To register it again, see [“Registering the Provider” on page 156](#).

Understanding the Services Page

The Services page displays information about the media services that are installed and lets the user install new services or delete services that were previously installed.

Opening the Services Page

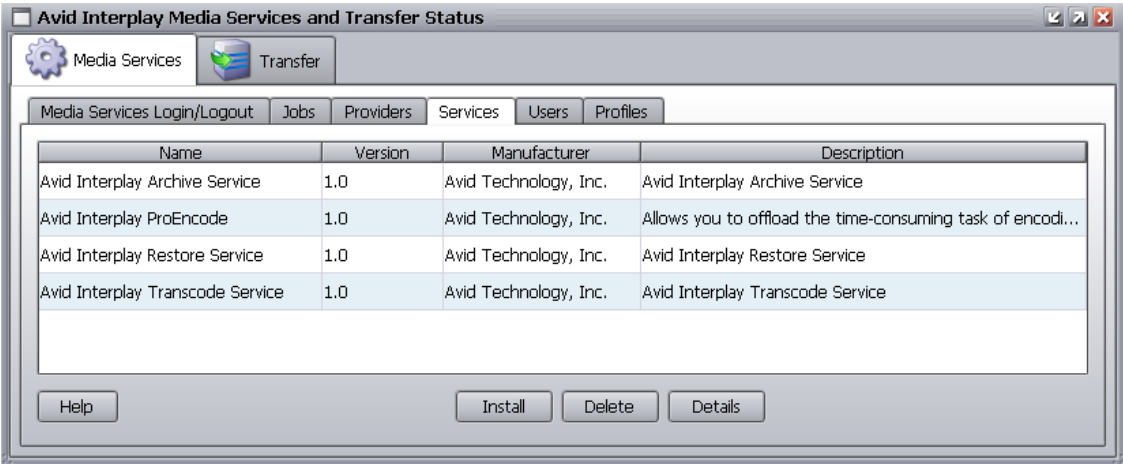
To open the Services page:

1. Open the Media Services and Transfer Status tool as described in [“Opening the Media Services and Transfer Status Tool” on page 136](#).

2. Click the **Services** tab.

The Services page opens.

10 Using the Media Services and Transfer Status Tool

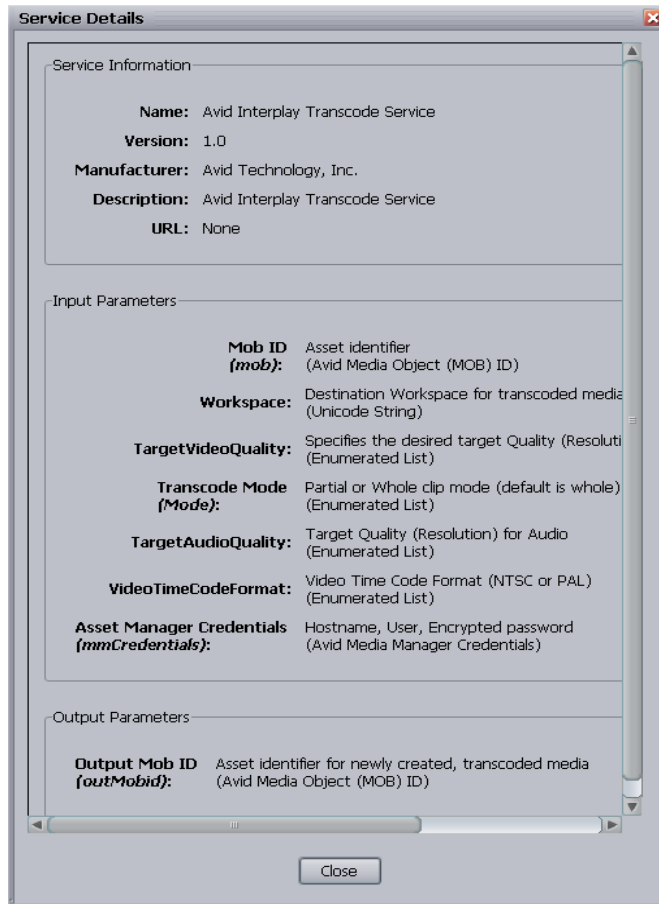


Displaying Details About a Service

To display information about a specific service:

1. Open the Media Services and Transfer Status tool as described in [“Opening the Media Services and Transfer Status Tool” on page 136.](#)
2. Click the **Services** tab. The Services page opens.
3. Select the service about which you want information.
4. Click **Details**.

The Service Details page opens.



The specific information displayed on the Service Details page differs for each installed service.

Deleting a Media Services Service

If the service has been registered on the Providers page, you must first delete the provider for that service. For more information, see [“Deleting Providers” on page 149](#).

To delete a service:

1. Log on to Media Services Engine as an administrator.
2. Open the Media Services and Transfer Status tool. For more information, see [“Opening the Media Services and Transfer Status Tool” on page 136](#).
3. Make sure all providers for the services that you are deleting have been deleted prior to deleting the services themselves. See [“Deleting Providers” on page 149](#).

4. Click the **Services** tab. The Services page opens.
5. Select the service you want to delete.
6. Click **Delete**.

The service is removed.

Understanding the Users Page

The Users page lets you create and manage user accounts. The default login for the Media Services and Transfer Status tool is the user name Administrator, without a password. Avid recommends assigning a password to this account after installing the Media Services Engine. For more information, see [“Reassigning Passwords” on page 153](#).

The Users page displays information based on the user’s login profile. A user logged in as an Administrator can view information about all jobs, whereas users without administrator privileges can view all jobs, but can only see the username and clip names of their own jobs.



Adding or changing users on the Users page has no effect if a host name is set in the Interplay Engine Hostname setting in the Avid Interplay Media Services Engine Settings dialog box. However, you can give a user Interplay Media Services Administrator privileges using the Users page. For information on setting the Interplay Engine Hostname setting, see [“Configuring the Media Services Engine” on page 132](#).

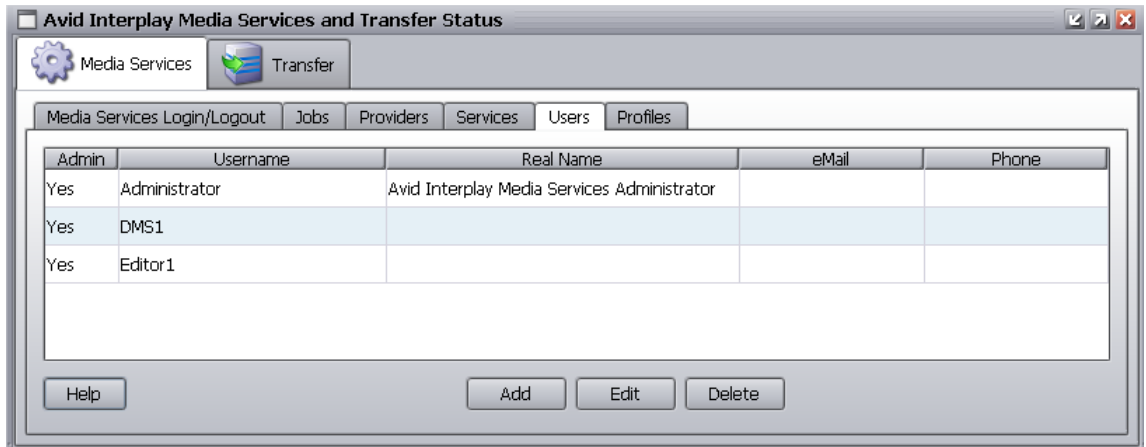
When you attempt to log in to the Interplay Media Services Engine, and a host name is set in the Interplay Engine Hostname setting in the Avid Interplay Media Services Engine Settings dialog box, the Media Services Engine authenticates the user name and password you provided with the Avid Interplay Engine. If the login is successful, the user name and password are added or updated to the Media Services database user’s table; the user name and password appear on the Users page.

Opening the Users Page

To open the Media Services Users page:

1. Open the Media Services and Transfer Status tool as described in [“Opening the Media Services and Transfer Status Tool” on page 136](#).
2. Click the **Users** tab.

The Users page opens with user accounts listed in the User name column.



Setting Up User Accounts

To set up a user account:

1. Open the Media Services and Transfer Status tool as described in [“Opening the Media Services and Transfer Status Tool” on page 136](#).
2. Click the **Users** tab. The Users page opens.
3. Click the **Add** button. A dialog box opens.
4. Type a user name in the Username text box.
User names and passwords are case sensitive and can contain only letters, numbers, and underscores. They can be up to 255 characters.
5. (Option) You can assign a password by typing a password in the Password text box, then typing it again in the Retype Password text box. Passwords are not required.
6. Type the applicable information about the user in the other text boxes.
7. (Option) If this user is an administrator, select the “is Administrator” option.
8. Click **Save**.

Reassigning Passwords

If a user forgets his or her password, a new one must be assigned. If you forget the Administration password, it must be reset. Contact Avid Customer Support.

To reassign a user password:

1. Log in to Media Services Engine as an administrator.
2. Open the Media Services and Transfer Status tool as described in [“Opening the Media Services and Transfer Status Tool” on page 136](#).
3. Click the **Users** tab. The Users page opens.
4. Select the user that you want to change the password.
5. Click the **Edit** button. A dialog box opens.
6. Type a new password in the Password text box, then type it again in the Retype Password text box.
7. Click **Save**.

Deleting User Accounts

You must be logged in to Media Services Engine as an administrator to delete user accounts.



The user “Administrator” cannot be deleted. If you try to delete Administrator, you receive an error message.

To delete a user account:

1. Log in to Media Services Engine as an administrator.
2. Open and log in to the Media Services and Transfer Status tool as described in [“Opening the Media Services and Transfer Status Tool” on page 136](#).
3. Click the **Users** tab. The Users page opens.
4. Select the User Name for each account you want to delete.
5. Click the **Delete** button.

A dialog box opens and asks if you are sure you want to delete the user account.

6. Click **OK**.

The user account is deleted.

To re-create user accounts, see [“Setting Up User Accounts” on page 153](#).

11 Installing Services and Registering Providers

Before you can use a service, you must install the software needed by the service, then use the Media Services Engine to register the Media Services Provider, and make sure the service is started. The service software must be installed before you set up the Media Services provider.



When a provider is installed, a service zip file is available that is used to install the service into the Media Services Engine.

Registering the Provider

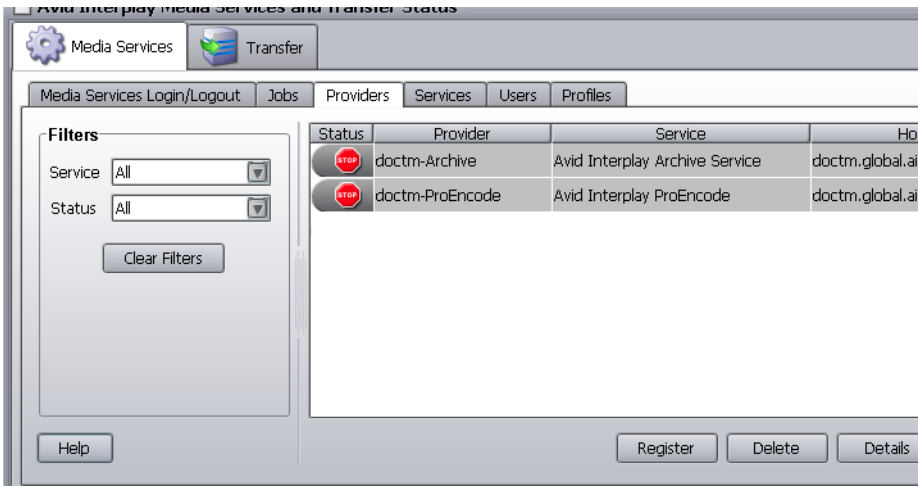
After you install a Media Services service, you need to register the Media Services Provider.

The Provider page on the Media Services and Transfer Status tool is used to register a provider for a particular service. The provider receives information about jobs and passes the information to other applications where appropriate. The provider also supplies the Media Services Engine with information about the provider, job status, and other information depending on the service.

To register the Provider with the Media Services Engine:

- 1. Open and log in to the Media Services and Transfer Status tool on the Media Services system that will run the provider. See [“Opening the Media Services and Transfer Status Tool” on page 136](#).
- 2. Click the **Providers** tab.

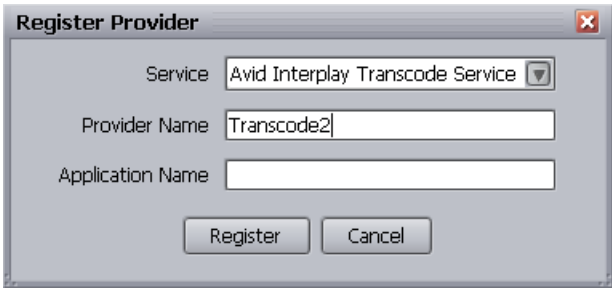
The Providers page displays all of the currently registered providers.



- 3. Click the **Register** button.
The Register Provider dialog box opens.
- 4. Do the following:
 - a. Service menu — Select a service:
 - Avid Interplay Archive Service
 - Avid Interplay Restore Service

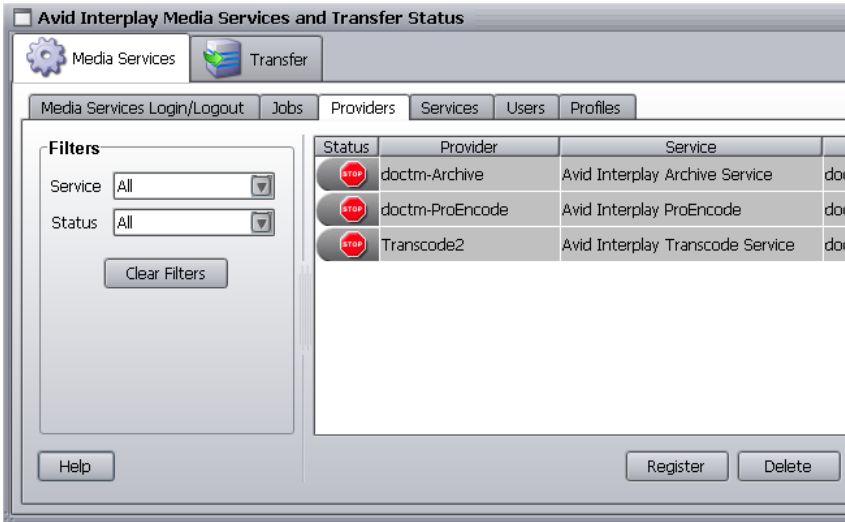
- Avid Interplay Transcode Service
 - Avid Interplay ProEncode
- b. **Provider Name** — Type the name that you want to use to identify this particular provider. You can have several providers on your workgroup for the same service, so you should use a meaningful name.
- c. **(Option) Application Name** — For Transcode Providers. leave this text box blank, because the system automatically fills in that value.

The following illustration shows the Register Provider dialog box with the values filled in for a Transcode Service.



5. Click Register.

The Provider appears in the Providers page. Notice that the service is not running and is not connected to the Media Services Engine, as indicated by the Stop icon in the Status column. You must still connect the Provider to the Media Services service software.

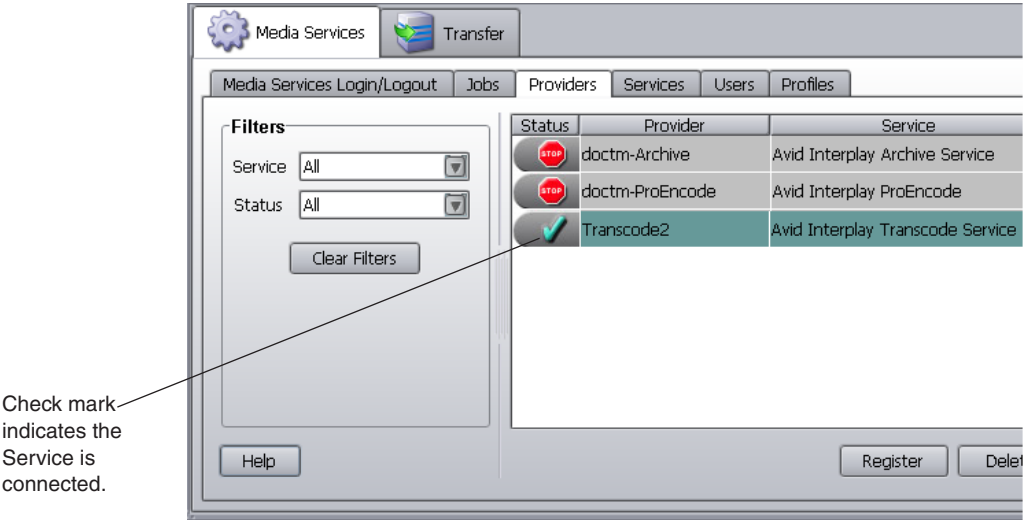


Verifying a Service is Connected

To verify a service is running using the Media Services and Transfer Status tool:

- 1. Open the Media Services and Transfer Status tool. See “Opening the Media Services and Transfer Status Tool” on page 136.
- 2. Click the **Providers** tab.

The system displays the status of the Media Services providers. In the following illustration, the Transcode service is connected.



Index

A

- account setup
 - Windows domain [51](#)
 - Windows workgroup [50](#)
- accounts
 - user [54](#)
- Administration tools
 - Media Services and Transfer Status [129](#)
 - overview [127](#)
- archive folder [121](#)
- Archive service
 - registering the provider [156](#)
- AudioStorage folder [120](#), [122](#)
- Avid DS
 - indexing services [96](#)
 - managing workstation [95](#)
 - removing [32](#)
 - source models [122](#)
 - uninstalling [32](#)
 - windows domains, account setup [51](#)
 - workgroup setup [30](#)
 - workgroup, account setup [50](#)
- Avid DS RP
 - CPU usage [87](#)
 - installing [85](#), [88](#)
 - job log [86](#)
 - log [86](#)
 - requirements [86](#)
- Avid Project Indexer [97](#)
- Avid Throttle Manager, installing [66](#), [92](#)
- Avid Unity
 - configuring storage in Avid DS [111](#)
 - storage [97](#)

C

- Cancel
 - jobs [145](#)
- client workstation [86](#)
 - install checklist [25](#)
- CPU usage, Avid DS RP workstations [87](#)

D

- deck
 - exporting/importing presets [84](#)
- defragmenting
 - drives [120](#)
- Delete
 - jobs [145](#)
 - providers [149](#)
 - services [151](#)
 - user accounts [154](#)
- domain
 - account setup [51](#)
 - folder permissions [53](#)
- DPX files
 - storage [106](#)
- DS Archives folder [120](#), [121](#)
- DS Presets folder [122](#)
- DS Projects folder [120](#), [121](#)
 - Dsprojectinfo [122](#)
 - source models [122](#)
- DS System folder [123](#), [123](#)
 - Rsrc [123](#)
 - SoftDB [123](#)
- DS_v7.x folder [120](#)

E

- exporting
 - preferences [83](#)

F

- folders
 - AudioStorage [120](#), [122](#)
 - DS Archives [120](#), [121](#)
 - DS Presets [122](#)
 - DS Projects [120](#), [121](#)
 - DS System [123](#), [123](#)
 - DS_v7.x [120](#)
 - Rsrc [123](#)
 - sharing permissions [52](#)

Index

- sharing, in a domain [53](#)
- sharing, in a Windows workgroup [52](#)
- SoftDB [123](#)
- System [122](#)
- VideoStorage [120](#), [122](#)

fonts

- installing [80](#)
- non-European, installing [81](#)
- TrueType [80](#)
- Type 1 [80](#)
- uninstalling [80](#)

H

hardware

- upgrading [27](#)

I

importing

- preferences [84](#)

indexing services [96](#)

installing

- Avid DS RP [88](#)
- Avid Throttle Manager [66](#), [92](#)
- client workstation [25](#)
- fonts [80](#)
- non-European fonts [81](#)
- RP workstation [26](#)

IP address

- for loopback adapter [49](#)
- for network configuration [47](#)

J

Job Details window [142](#)

Job information [142](#)

Jobs

- canceling [145](#)

Jobs page

- canceling a job [145](#)
- customizing the display [140](#)
- deleting a job [145](#)
- information table [139](#)
- opening [138](#)
- purging the jobs list [143](#)
- retrying a job [146](#)

- viewing details [141](#)

M

media

- on Avid Unity [97](#)
- planning storage [96](#)
- sharing [104](#)
- sharing with other Avid DS workstations [104](#)

media indexing service

- adding [114](#)
- configuring [109](#), [109](#)

Media Services and Transfer Status Tool

- functional modes table [138](#)
- Jobs page overview [138](#)
- opening [136](#)
- overview [127](#)
- pages [138](#)
- user interface [138](#)

Media Services Engine

- opening [129](#)
- settings [132](#)
- Transcode services [155](#)

Media Services service

- deleting a registered service [151](#)

Media Services system

- major components [126](#)

media storage

- configuring [109](#)
- planning [96](#)

Microsoft Loopback Adapter

- installing [49](#)

models, source [122](#)

MXF (Material Exchange Format) files

- described [105](#)
- sharing files created on Avid DS [107](#)

N

network

- optimizing [87](#)
- remote processing performance [87](#)

O

OMFI

- media folder [106](#)

- optimizing
 - hardware performance [87](#)
 - remote processing performance [87](#)
- Overview
 - Avid Interplay Media Services window [126](#)
 - Media Services and Transfer Status Tool [127](#)
 - Media Services Engine software [126](#)

P

- Password
 - reassigning [153](#)
- permissions
 - folders, sharing [52](#)
- plug-ins
 - loading [79](#)
 - third-party [32](#), [79](#)
- preferences
 - exporting [83](#), [83](#)
 - importing [84](#)
 - saving [83](#)
 - saving presets [84](#)
- presets
 - deck, exporting/importing [84](#)
- ProEncode service
 - registering [156](#)
- project indexer [97](#)
 - in workgroup [97](#)
- project, information file [122](#)
- projects
 - shared [104](#)
- Providers page
 - customizing the display [148](#)
 - deleting a provider [149](#)
 - opening [147](#)
 - overview [146](#)
 - viewing details [148](#)

R

- Registering
 - Archive provider [156](#)
 - ProEncode provider [156](#)
 - Transcode provider [156](#)
- remote processing
 - Avid DS RP workstation requirements [86](#)
 - CPU usage [87](#)

- See also* Avid DS RP services [86](#)
- removing
 - Avid DS [32](#)
 - fonts [80](#)
 - plug-ins, third-party [32](#)
 - TrueType fonts [80](#)
 - Type 1 fonts [80](#)
- requirements
 - Avid DS RP [86](#)
- RP workstation
 - install checklist [26](#)
- Rsrc folder [123](#)

S

- Services
 - installing and registering [155](#)
 - verify connection [158](#)
- Services page
 - display information [150](#)
 - opening [149](#)
 - overview [149](#)
- services, media indexing/configuring [109](#)
- SoftDB folder [123](#)
- source models [122](#), [122](#)
- storage
 - adding [110](#)
 - Avid Unity [97](#), [111](#)
 - configuring [109](#)
 - planning [96](#)
 - shared [104](#)
- system
 - saving settings [83](#)
- system folder [122](#)
 - Dsprojectinfo [122](#)
 - source models [122](#)

T

- third-party plug-ins [79](#)
 - uninstalling [32](#)
- Throttle Manager, installing [66](#), [92](#)
- Transcode service [155](#)
 - registering the provider [156](#)
- TrueType fonts
 - installing [80](#)

Index

- removing [80](#)
- Type 1 fonts
 - installing [80](#)
 - removing [80](#)

U

- uninstalling [32](#)
 - Avid DS [32](#)
 - fonts [80](#)
 - plug-ins, third-party [32](#)
 - TrueType fonts [80](#)
 - Type 1 fonts [80](#)
- upgrade
 - hardware [27](#)
- User accounts
 - administrator tasks [128](#)
 - managing [152](#), [154](#)
 - rights [128](#)
- user accounts
 - creating [54](#), [54](#)
 - modifying [55](#)
- User page
 - creating and managing user accounts [152](#)
 - deleting a user account [154](#)
 - deleting and re-creating all accounts [154](#)
 - opening [152](#)
 - reassigning a user password [153](#)
 - setting up a user accounts [153](#)

V

- VideoStorage folder [120](#), [122](#)

W

- Windows Domains, account setup [51](#)
- Windows Workgroups, account setup [50](#)
- Workgroup environment
 - typical configuration with Interplay Transfer [125](#)
- workgroup, Avid DS
 - client workstation [86](#)
 - connecting clients to controller [34](#)
 - creating [30](#)
 - project indexer [97](#)
 - remote processing station [86](#)

- restarting [35](#)
- sharing projects and media [104](#)
- workstation, client [86](#)
- workgroup, Windows
 - account setup [50](#)
 - folder permissions [52](#)
- workstation
 - client [86](#)
 - managing [95](#)