

Autodesk MapGuide®

autodesk®

What's New in Release 6.3

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Contents

Chapter 1	Introduction	1
	Installation and Licensing	2
	Platform and System Requirements	2
	Autodesk MapGuide Server and Spatial Data Providers for SDF, SHP, and Oracle Spatial	2
	Autodesk MapGuide Author and Symbol Manager	3
	Autodesk MapGuide Viewers	3
	Before You Install	4
	Autodesk MapGuide and Utilities	4
	Autodesk MapGuide Server	5
	Autodesk MapGuide Viewers	5
	Installing Autodesk MapGuide and Utilities	5
Chapter 2	Autodesk MapGuide Author	9
	Data Support	10
	Autodesk DWF (Design Web Format) Support	10
	Raster Image Rotation Support	10
	Oracle Spatial Data Support	10
	Working with Oracle Spatial Views	10
	Keyboard Accessibility	11
	Input Focus	11
	General Windows Shortcuts	12
	General Shortcut Keys	13
	Main Menu Shortcut Keys	14
	Main Menu Navigation Shortcut Keys	15
	Main Menu Access (Hot) Keys	15
	Map Explorer Navigation Shortcut Keys	16
	Map Explorer Manipulation Shortcut Keys	17
	Map Layer Popup Menu	18
	Map Window Navigation Shortcut Keys	19
	Map Window Manipulation Shortcut Keys	20
	Map Window Popup Menu	20
	Dialog Box Shortcut Keys	21
	Operations that Require a Pointing Device	24

Chapter 3	Autodesk MapGuide Server and Related Components	25
	Data Support	26
	New AutoCAD 2004 DWG Format Support	26
	DWG Password Protection	26
	Datum Shift Support	26
	Spatial Data Providers Renamed	27
	Browsing to SHP and SDF Data Sources	27
	Multiple Path Support Removed for DWG, SHP, and SDF Data Sources	
	27	
	Oracle 9i Geodetic and Data/Spatial Index Dimensionality Support	28
	Keyboard Accessibility	29
	Dialog Box Shortcut Keys	29
Chapter 4	Autodesk MapGuide Viewers	33
	Data Support	34
	Autodesk DWF (Design Web Format) Support	34
	Raster Image Rotation Support	34
	Keyboard Accessibility	34
	Input Focus	34
	General Shortcut Keys	35
	Map Explorer	36
	Map Layer Popup Menu Shortcut Keys	38
	Map Window	38
	Dialog Box Shortcut Keys	41
	Operations that Require a Pointing Device	44
	Autodesk MapGuide Viewer Java Edition Differences	44
Chapter 5	Symbol Manager	45
	Keyboard Accessibility	46
	Main Menu Shortcut keys	46
	Main Menu Access Keys	47
	Dialog Box Shortcut Keys	47
	Operations that Require a Pointing Device	50
Chapter 6	Raster Workshop	51
	Data Support	52
	Working with Rotation and Transparency	52
	Keyboard Accessibility	52
	Dialog Box Shortcut Keys	53
Chapter 7	SDF Loader	57
	Data Support Enhancements	58
	New AutoCAD 2004 DWG Format	58

MPolygon Support 58

Index 59

Introduction

This document describes new and changed features in Autodesk MapGuide Release 6.3. If you are new to Release 6, use this document, along with the “What’s New in Release 6” section in the *Autodesk MapGuide User’s Guide* to learn about all Release 6 enhancements.

Autodesk MapGuide Release 6.3 enhancements include:

Data Support

- Autodesk MapGuide Author (See page 10.)
- Autodesk MapGuide Server (See page 26.)
- Autodesk Spatial Data Providers (See page 26.)
- Autodesk MapGuide Viewers (See page 34.)
- SDF Loader (See page 58.)

Keyboard Accessibility

- Autodesk MapGuide Author (See page 11.)
- Autodesk MapGuide Server Admin (See page 29.)
- Autodesk MapGuide Viewers (See page 34.)
- Symbol Manager (See page 46.)
- Raster Workshop (See page 52.)

1

In this chapter

- Installation and licensing
- Platform and system requirements
- Before you install
- Installing Autodesk MapGuide and utilities

Installation and Licensing

The installation and licensing process is streamlined and improved in this release. Enhancements include combined installations of Autodesk MapGuide Server and the Autodesk Spatial Data Providers for Oracle Spatial, SDF, and SHP. Authorization is also removed from all components, with the exception of Autodesk MapGuide Server.

“Installing Autodesk MapGuide and Utilities” on page 5 describes how to install Autodesk MapGuide Release 6.3 and related utilities. For late-breaking installation updates and known issues, please refer to the *Autodesk MapGuide Readme (MGReadme.htm)* located on the Autodesk MapGuide installation CD and to the *Autodesk MapGuide LiteView Readme (LVReadme.htm)* located on the Autodesk MapGuide LiteView installation CD.

Platform and System Requirements

The following are platform and system requirements for Autodesk MapGuide Release 6.3 and related utilities.

Autodesk MapGuide Server and Spatial Data Providers for SDF, SHP, and Oracle Spatial

- Intel® Pentium®-based PC
- Microsoft Windows NT 4.0 Server (Service Pack 6a or later) or Microsoft Windows 2000 Server (Service Pack 3 or later) with one of the following: Microsoft Internet Information Server 5.0, Microsoft Internet Information Server 4.0, Netscape® Enterprise Server 3.6 (Service Pack 3) or iPlanet™ Web Server Enterprise 4.1 (Service Pack 8)
- Microsoft Data Access Components (MDAC): MDAC 2.7 RTM (included on the Autodesk MapGuide product CD)
- Microsoft Internet Explorer 4.x or later
- 128 MB RAM
- 260 MB free disk space (plus space for your data)
- VGA or higher resolution video adapter

Autodesk MapGuide Author and Symbol Manager

- Intel® Pentium®-based PC
- Microsoft® Windows® 2000 Professional, Windows 98 SE, or Windows NT® 4.0 (Service Pack 6a or later)
- Microsoft Internet Explorer 5.x or 6.0 or Netscape® Navigator 4.x
- 32 MB RAM
- 170 MB free disk space
- Super VGA or better video display

Autodesk MapGuide Viewers

Autodesk MapGuide provides three different kinds of Viewers: ActiveX Control, Plug-In, and Java Edition.

Autodesk MapGuide Viewer ActiveX Control

- Intel® 486- or Pentium®-based PC
- Microsoft Windows XP Home Edition or Professional (Service Pack 1 or later), Windows 2000 Professional, Windows 98 SE, or Windows NT 4.0 (Service Pack 6a or later)
- 16 MB RAM (24 MB required if using Windows NT 4.0)
- Microsoft Internet Explorer 5.x or 6.0

Autodesk MapGuide Viewer Plug-In

- Intel® 486- or Pentium®-based PC
- Microsoft Windows 2000 Professional, Windows 98 SE, or Windows NT 4.0 (Service Pack 6a or later)
- 16 MB RAM (24 MB required if using Windows NT 4.0)
- Mouse or compatible pointing device
- Netscape® Navigator 4.x

Autodesk MapGuide Viewer Java Edition

Autodesk MapGuide Viewer Java Edition supports Windows, Macintosh, and Solaris operating systems.

Windows

- Intel® 486- or Pentium®-based PC
- Microsoft Windows 2000 Professional, Windows 98 SE, or Windows NT 4.0 (Service Pack 6a or later)
- 16 MB RAM (24 MB required if using Windows NT 4.0 and Microsoft Internet Explorer)
- Netscape Navigator 4.7 or Microsoft Internet Explorer 5.x or 6.0

Macintosh

- Apple® Macintosh® computer
- Mac® OS 9.1
- 32 MB RAM (64 MB or more recommended)
- Microsoft Internet Explorer 5.x with Java VM MRJ 2.2.4

Solaris

- Sun SPARCstation™
- Sun Solaris™ 2.6 or 2.8
- 64 MB RAM
- Netscape Navigator 4.7

Before You Install

Before installing Autodesk MapGuide, be sure your server and client computers meet or exceed the platform and system requirements for Autodesk MapGuide. Also, be sure to consider the following pre-installation requirements:

Autodesk MapGuide and Utilities

Before installing Autodesk MapGuide components and utilities, you must first install Internet Explorer 4.x or later.

Autodesk MapGuide Server

- Microsoft Windows Installer (MSI) must be present on your computer. MSI is included with Microsoft Windows 2000. If you do not have MSI on your computer, the Autodesk MapGuide Server installation program will install the MSI software for you. You will then need to restart your computer and manually restart the Autodesk MapGuide Server installation.
- If Autodesk MapGuide Server Release 5 is installed on your machine, ensure that you have also installed patch release 5.0.8.x. before installing Autodesk MapGuide Server Release 6.3. You can download this patch from the Data and Downloads section of <http://www.autodesk.com>. If you did not install the 5.0.8.x patch release, you must uninstall Autodesk MapGuide Server Release 5 before installing Autodesk MapGuide Server Release 6.3.

Autodesk MapGuide Viewers

- If you will be using Microsoft Internet Explorer, you must install it before installing Autodesk MapGuide Viewer.
- If you are installing Autodesk MapGuide Viewer Java Edition, be sure to uninstall any previous versions first.

Installing Autodesk MapGuide and Utilities

Autodesk MapGuide is distributed on two installation CDs: one for Autodesk MapGuide LiteView, and one for all other Autodesk MapGuide components and utilities. From the Autodesk MapGuide installation CD, you can install:

- Autodesk MapGuide Server, including following Spatial Data Providers (SDPs):
 - Autodesk Provider for SDF
 - Autodesk Provider for SHP
 - Autodesk Provider for Oracle Spatial (if an Oracle client is present)
- Autodesk MapGuide Author, including Symbol Manager
- Autodesk MapGuide Documentation
- Adobe Acrobat Reader (for viewing the documentation)
- Autodesk MapGuide Viewers

- Utilities, including:
 - Raster Workshop (15 MB)
 - SDF Loader (85 MB)
 - SDF Component Toolkit (160 MB)
 - Dynamic Authoring Toolkit (16 MB)

Each Autodesk product is subject to the terms detailed in the license agreement that accompanies it. Before continuing, please read and accept the terms in the license agreement presented during the installation procedure.

To install Autodesk MapGuide components and utilities

- 1 Log on with administrative privileges.
- 2 Close all open applications.
- 3 Insert the Autodesk MapGuide CD into the CD-ROM drive. If the setup program does not start automatically, double-click the *setup.exe* file on the CD. From the initial installation screen, perform the following steps:
- 4 Select the component you want to install and follow the on-screen instructions to complete the installation. Your choices are: Autodesk MapGuide Server, Autodesk MapGuide Author, Autodesk MapGuide documentation, and Adobe Acrobat Reader. Repeat this step until you have installed all of the components you want to install.

Note After installing Autodesk MapGuide Server, you will need to restart your computer before installing other components.

- 5 Select Proceed to: Autodesk MapGuide Viewers. On the screen that appears, select the kind of Viewer you want to install. Follow the on-screen instructions to complete the installation and repeat this step until you have installed all of the Viewers you want to install:
 - Autodesk MapGuide Viewer ActiveX Control is for Microsoft Internet Explorer on Microsoft Windows platforms only.
 - Autodesk MapGuide Viewer Plug-In is for Netscape Navigator on Microsoft Windows platforms only.
 - Autodesk MapGuide Viewer Java Edition is for Microsoft Windows, Apple Macintosh, and Sun Solaris platforms. Select Installing Autodesk MapGuide Java Edition (JAR File) for instructions on how to set up the Java Edition for download from a Web server.
 - To set up an automatic installation of the ActiveX Control on client machines, select Installing Autodesk MapGuide ActiveX Control (CAB File) for instructions on how to set up the automatic installation.

- 6 Select Proceed to: Utilities. On the screen that appears, select the utility you want to install: Raster Workshop, SDF Loader, SDF Component Toolkit, or Dynamic Authoring Toolkit. Follow the on-screen instructions to complete the installation, and repeat this step until you have installed all of the utilities you want to install.
- 7 When you have finished installing components and utilities, select Finish from the installer.
- 8 Reboot your computer.

Note When you install Autodesk MapGuide Server, MIME types for the MLF, MDF, and MWF file formats are created in the default Internet Information Server (IIS) properties. However, when information is requested from Autodesk MapGuide Author or from the Plug-In Viewer, IIS will not return the appropriate MIME type header until you either reboot your computer or use the IIS admin to add the following three MIME types to the Web Server (not the IIS Master) file types:

- `mdf application/x-mdf`
- `mlf application/x-mlf`
- `mwf application/x-mwf`

Autodesk MapGuide Author

2

This chapter describes data support and keyboard accessibility enhancements for Autodesk MapGuide Author.

In this chapter

- Data support
- Keyboard accessibility

Data Support

This section describes data support enhancements for Autodesk MapGuide Author.

Autodesk DWF (Design Web Format) Support

Autodesk DWF™ (Design Web Format™) is a fast, efficient way to distribute design data over the Web. If a DWG file, an SDF file, or a database contains valid DWF URLs, Autodesk MapGuide Author launches Autodesk Express Viewer when you double-click an object containing a DWG link. This viewer then displays the DWF file content. To be valid, a DWF URL must be in a URL property column of the DWG file, SDF file, or database.

Note To take advantage of this functionality, you must first install Autodesk Express Viewer. You can download Autodesk Express Viewer from the following location: <http://www.autodesk.com/expressviewer>.

Raster Image Rotation Support

Autodesk MapGuide Author can display rotated raster images if the image already contains rotation information. Autodesk MapGuide will interpret the rotation coordinates and display the image accordingly. For more information, see “Working with Rotation and Transparency” on page 52.

Oracle Spatial Data Support

Autodesk MapGuide Author supports Oracle Spatial multi-point collection geometry objects. In previous Autodesk MapGuide releases, only the first point in the collection was displayed; now all points are displayed.

Working with Oracle Spatial Views

Autodesk MapGuide Author supports Oracle Spatial Views that contain geometry columns. To access such a View, you must add the View to the Oracle USER_SDO_GEOM_METADATA table. Autodesk MapGuide Server uses this table to determine which Views contain geometry columns.

To update the METADATA table

- 1 Create the Oracle View you want to access and be sure to include a geometry column.
- 2 Add the new View to the USER_SDO_GEOM_METADATA table.

When added to the USER_SDO_GEOM_METADATA table, the View can be accessed by Autodesk MapGuide Author. Since this will be a new View, you must manually select the KEY column in Autodesk MapGuide Author when accessing the View for the first time.

Example

The following SQL commands insert an entry in the USER_SDO_GEOM_METADATA table for the ALLTYPES_VIEW View. This entry defines two data dimensions as X and Y, sets the extents to +-100 for both:

```
INSERT INTO USER_SDO_GEOM_METADATA
VALUES ('ALLTYPES_VIEW', 'F_GEOM',
MDSYS.SDO_DIM_ARRAY(MDSYS.SDO_DIM_ELEMENT('X', -100, 100, 0.005),
MDSYS.SDO_DIM_ELEMENT('Y', -100, 100, 0.005)),
NULL);
```

Keyboard Accessibility

The Autodesk MapGuide Author user interface is enhanced to improve keyboard accessibility, including keyboard shortcuts, menu updates to display common keyboard shortcuts, and screen changes for input focus designation.

Shortcut keys are single keys or key combinations that perform specific actions, such as map navigation, user interface navigation, and toolbar functionality. Use shortcut keys as an alternative to the mouse when working in Autodesk MapGuide Author.

Most menu titles and menu items have underlined characters in their labels. These characters are called *access keys* or *hot keys*. You can press ALT along with the access key to activate the menu item anywhere within the active window.

Input Focus

As with all applications running under Windows, only one window at a time can receive input from the keyboard. The window that receives this input is the window with *input focus*.

Map Explorer Input Focus

The Map Explorer within Autodesk MapGuide Author displays a hierarchical list of layers. When the Map Explorer has input focus, the layer item is highlighted using the Control Panel Appearance color settings for Selected Items.

When the Map Explorer does not have input focus, it displays Inactive Selected Items color settings.

Map Window Input Focus

The Map Window within Autodesk MapGuide Author displays the map. A Map Window with input focus has a rectangular inset border

General Windows Shortcuts

The following general shortcut keys work for Microsoft Windows applications.

Operation	Shortcut Key
Close the active dialog box/application	ALT + F4
Opens the shortcut menu for the active window	ALT + SPACEBAR
Switch between open applications	ALT + TAB
Cycle through applications in the order opened	ALT + ESC
Display Windows Start Menu	CTRL + ESC
Activate shortcut menu (if present)	Windows Application key or SHIFT + F10
Move forward among open document windows	CTRL + F6
Move backward among open document windows	CTRL + SHIFT + F6

General Shortcut Keys

The following general shortcut keys work throughout the Autodesk MapGuide Author application.

Operation	Shortcut Key
Cycle input focus forward between Map Window and Map Explorer	TAB
Cycle input focus backward between Map Window and Map Explorer	SHIFT+TAB
Set input focus to Map Explorer	[
Set input focus to Map Window]
Display Help	F1
Reload data	F5
Open the menu bar	F10 or ALT
Open a popup menu (if present)	SHIFT + F10 or CTRL + SHIFT + F10
Close the active map when multiple maps are open	CTRL + F4
<ul style="list-style-type: none">• Stop data loading• Cancel tool (return to Select mode)• Clear selection when features are selected in map	Esc

Main Menu Shortcut Keys

The following shortcut keys are used to activate menu items appearing on the Autodesk MapGuide Author main menu bar. An ellipsis (...) after the menu item indicates that a dialog box will be displayed after the command is chosen.

Operation	Shortcut Key
Create a new map	CTRL + N
Open an existing map	CTRL + O
Save the active map	CTRL + S
Print the active map	CTRL + P
Copy	CTRL + C
Enter the Select mode (First, input focus is set to Map Window before action is invoked)	1
Enter the Select mode to select map feature within a given radius of a point on the map	2
Enter the Select mode to select map features within a user-specified polygon	3
Enter the Select mode to select specific map features	4
Enter the Select mode to select map features that fall within the selected map features	5
Open dialog box to create buffers around the selected map feature	6
Open dialog box to view distances on the map	7
Display Help	F1 or SHIFT + F1
Reload current map	F5

Main Menu Navigation Shortcut Keys

The following shortcut keys are used to navigate among menu items appearing on the Autodesk MapGuide Author main menu bar.

Operation	Shortcut Key
Set input focus to the main menu bar. The left-most menu name is selected (for example, File)	F10
Move input focus between menu titles on the menu bar in the direction of the arrow.	Left Arrow or Right Arrow
Open the selected menu item. Down Arrow selects the next command in the list. Up Arrow selects the previous command in the list	Up Arrow or Down Arrow
Opens the selected menu when input focus is on the menu title. Activates a menu item when input focus is on a menu item.	ENTER
Closes an open menu and moves input focus back to the parent menu (if present)	ESC
Activate the command of the menu item	Underlined letter or Underlined number

Main Menu Access (Hot) Keys

Autodesk MapGuide Author includes commands that are listed in menus. Most menu names or menu items have an underlined character (access or hot key). Press ALT along with the access key to open the menu anywhere within the active window.

Operation	Access Key
Open File Menu	ALT + F
Open Edit Menu	ALT + E
Open Navigate Menu	ALT + N

Open Bookmark Menu	ALT + B
Open Select Menu	ALT + S
Open View Menu	ALT + V
Open Window Menu	ALT + W
Open Help	ALT + H

Map Explorer Navigation Shortcut Keys

The Map Explorer, which appears on the left side of the Autodesk MapGuide Author window, contains the Design tab and the View tab. Both tabs display the layers and layer groups in the map. The following shortcut keys are used to navigate while working within the Design Tab or the View Tab.

Note Current input focus must be on the Map Explorer for these keys to work.

Operation	Shortcut Key
Expand item (if collapsed, otherwise select first subfolder)	Right Arrow
Collapse item (if expanded, otherwise select parent folder)	Left Arrow or Backspace
Move up to next visible item (if present)	Up Arrow
Move down to next visible item (if present)	Down Arrow
Move up one page and select the item	Page Up
Move down one page and select the item	Page Down
Move to the top and select item	Home
Move to the bottom and select item	End
Display all sub-items under the selected item	NUM LOCK + ASTERISK (*) on numeric keypad

Display the contents of the selected item	NUM LOCK + PLUS SIGN (+) on numeric keypad
Collapse the selected item	NUM LOCK + MINUS SIGN (-) on numeric keypad
Move forward through Design and View tabs	CTRL+TAB
Move backward through Design and View tabs	CTRL+SHIFT+TAB

Map Explorer Manipulation Shortcut Keys

The following keys allow you to manipulate map layer or layer group items.

Note Current input focus must be on the Map Explorer for shortcut keys to work.

Operation	Shortcut Key
View properties for the selected items: <ul style="list-style-type: none"> • Map Layer Properties • Layer Group Properties 	ALT+ENTER
Toggle checkbox (if present)	Spacebar
Copy item (Layer, Layer Group, and so on)	CTRL + C
Cut item	CTRL + X
Paste item	CTRL + V
Delete selected item	Delete

Copy selected item	CTRL + dragging an item
Select more than one item in the Map Explorer as a continuous set	SHIFT + any arrow key
Add or remove item to/from selection set	CTRL + Mouse Click

Map Layer Popup Menu

To work with map layers, set input focus to the Design tab in the Map Explorer window. Use the Up or Down Arrow keys to select a map layer or map layer group, then press SHIFT + F10 to activate the Map Layer popup menu. When the popup menu appears, you can select menu items by typing the underlined letter identified in the label. You use the commands in Map Layer popup menu to create, modify, or manipulate the layers in a map.

Operation	Shortcut Key
Open popup menu (if present)	SHIFT + F10 or CTRL + SHIFT + F10
Move up to the next menu item	Up Arrow
Move down to the next menu item	Down Arrow
Expand menu item (if Right Arrow is present next to label)	Right Arrow
Collapse menu item (if expanded)	Left Arrow
Open the menu item	Underlined Letter in menu label

Map Window Navigation Shortcut Keys

The Map Window, which appears on the right side of the Autodesk MapGuide Author program window, displays the map that you are creating or updating. To navigate through the map, you use the zoom and pan commands.

Note Current input focus must be on the Map Window for shortcut keys to work.

Operation	Shortcut Key
Pan Right—Map moves to the left. Press and hold Right Arrow key to continue to move the map to the left.	Right Arrow
Pan Left—Map moves to the right. Press and hold Left Arrow to continue to move the map to the right.	Left Arrow
Pan Up—Map moves down. Press and hold Up Arrow key to continue to move the map down.	Up Arrow
Pan Down—Map moves up. Press and hold Down Arrow key to continue to move the map up.	Down Arrow
Increases the rate at which the map moves to the left	SHIFT + Right Arrow
Increases the rate at which the map moves to the right	SHIFT + Left Arrow
Increases the rate at which the map moves downwards	SHIFT + Up Arrow
Increases the rate at which the map moves upwards	SHIFT + Down Arrow
Zoom Out—decrease magnification of a specific area. Press and hold Page Up key to continue to Zoom Out.	Page Up
Zoom In—increase magnification of a specific area. Press and hold Page Down key to continue to Zoom In.	Page Down

Increases the rate at which the specific area zooms out	SHIFT + Page Up
Increases the rate at which the specific area zooms in	SHIFT + Page Down
Unzoom	Home
Open Zoom Goto dialog box	End
Zoom Previous	Backspace
Zoom Previous (browser compatibility)	CTRL + Left Arrow

Note Pan and zoom rates are controlled by Repeat Delay and Repeat Rate Keyboard properties when the Filter Keys option is enabled. You can adjust these rates by changing the Accessibility Options in the Control Panel.

Map Window Manipulation Shortcut Keys

Note Current input focus must be on the Map Window for shortcut keys to work.

Operation	Shortcut Key
Copy Map Window to Clipboard	CTRL + C or SHIFT + CTRL + C
Select Radius—select features that are within a certain radius. Press and hold the ENTER key to increase the size of the selection area.	ENTER
Launch Reports	ALT+ENTER

Map Window Popup Menu

The Map Window popup menu provides quick access to Map Window dialog boxes or commands from the menus and toolbar buttons. Use the commands in the popup menu to modify map properties, move around on a map, or get information about map features. To activate the Map Window

popup menu, press **SHIFT + F10**. When the popup menu appears in the Map Window, you can select menu items by typing the underlined letter identified in the label.

Operation	Shortcut Key
Open popup menu (if present)	SHIFT + F10 or CTRL + SHIFT + F10
Moves up to the next menu item	Up Arrow
Moves down to the next menu item	Down Arrow
Expand menu item (if Right Arrow is present next to label)	Right Arrow
Collapse menu item (if expanded)	Left Arrow
Opens the menu item	Underlined letter in menu label

Dialog Box Shortcut Keys

A dialog box is a window that appears temporarily on top of the Map Window or Map Explorer to request information. The following table lists the shortcut keys that can be used in each dialog box.

Operation	Shortcut Key
Move forward through tabs	CTRL+TAB or CTRL + PAGE DOWN
Move backward through tabs	CTRL+SHIFT+TAB or CTRL + PAGE UP
Move forward through controls	TAB
Move backward through controls	SHIFT+TAB

<ul style="list-style-type: none"> • Execute command button • Select radio button (option control) • Set input focus and select text box • Set input focus and select drop-down list contents • Set input focus and select contents spin box 	ALT + underlined letter
Execute command for the button	SPACEBAR
Select or clear the check box	SPACEBAR
<ul style="list-style-type: none"> • Select a radio button • Change value in a spin box • Move through items in drop-down list or a list box 	Arrow keys
Open a folder one level up if a folder is selected in the Save As or Open dialog box.	BACKSPACE
Display Help	F1
Display the list in drop-down list box	F4

The following guidelines describe how to use keyboard commands within dialog boxes:

Command Buttons

Command buttons, such as OK or Cancel, initiate an immediate action. If marked with an ellipsis (...), the command button opens another dialog box.

A dotted rectangle around the command button indicates that the button has input focus. Press SPACEBAR to select the button. Use TAB to move the keyboard input focus to the next control, and SHIFT + TAB to reverse the direction. Press ALT + the underlined letter to immediately carry out the command.

Controls

If a dialog box has a control with an access key (underlined letter) in its title, you can move to it or select it by typing ALT + access key. TAB moves the keyboard input focus between controls. Arrow keys are used to move within a list box, groups of option controls, or groups of page tabs.

Edit Controls

Edit controls are rectangular boxes used for displaying or editing text. Use TAB or ALT + underlined letter to move input focus to the edit control and select the text.

Radio Buttons

Radio buttons (or option controls) are used to select only one option from a group of options. Use the arrow keys to select the next or previous buttons within the group. Press ALT + the underlined letter to move input focus to the control and select it.

Check Boxes

You select or clear check boxes to turn an option on or off. Use TAB to move between boxes and SPACEBAR to change the check box to the next state. Press ALT + the underlined letter to move input focus to the check box and then use SPACEBAR to change the state of the check box.

Tabbed Pages

Tabbed pages are used to fit many options into a single dialog box. They appear visually similar to dividers from a notebook. Each page contains separate groups of controls such as check boxes or option controls. Use CTRL + TAB or CTRL + PAGE DOWN to move input focus to the next tab and display the page. Use CTRL + SHIFT + TAB or CTRL + PAGE UP to move to the previous tab and display the page.

Spin Boxes

Spin boxes appear as a text box with Up and Down Arrows used to select from a list of fixed values. Use TAB or ALT + the underlined letter to move the keyboard input focus to the text box. Enter the valid value or use the Up Arrow or Down Arrow keys to select the next higher or lower values.

Drop-down List Boxes

Drop-down list boxes, by default, display the selected item. There is a small button to the right of the control that shows a downward-pointing arrow. You show or hide the list by using ALT + Down Arrow, ALT + Up Arrow or F4. Use arrow keys to scroll through the list of items, then press SPACEBAR to select the item.

Operations that Require a Pointing Device

Certain Autodesk MapGuide Author operations require the use of a pointing device, such as a mouse or tablet. If you are not using a pointing device, consider using mouse emulator software to perform mouse operations from your keyboard or other hardware input device. One such mouse emulator is Windows MouseKeys, which is available through Accessibility Options in the Control Panel. Operations that still require a pointing device are:

- View Distance
- Select Polygon
- View Report (Digitize point)
- Resizing the Map Explorer or Map Window
- Setting Bitmap Transparency

Autodesk MapGuide Server and Related Components

This chapter describes data support and keyboard accessibility enhancements for Autodesk MapGuide Server, Autodesk Spatial Data Providers (SDPs), and Autodesk MapGuide Server Admin.

3

In this chapter

- Data support
- Keyboard accessibility

Data Support

This section describes data support enhancements for Autodesk MapGuide Server.

New AutoCAD 2004 DWG Format Support

Autodesk MapGuide Server supports the new format for AutoCAD® 2004 drawing files (DWGs).

DWG Password Protection

Autodesk MapGuide Server cannot read password-protected DWGs. To read DWGs, remove password protection from them. You can still maintain security for DWG files using standard file protection and network security protocols among user web servers and your Autodesk MapGuide server machines.

Datum Shift Support

You can configure Autodesk MapGuide Server to perform a datum shift when needed. Within North America, this is most often a shift between the NAD27 and NAD83 datums.

By default, datum shifting is disabled. To enable datum shift support, use `regedit` to modify the `EnableDatumShift` registry setting from 0 (disabled) to 1 (enabled). The specific location of this registry is:

```
HKEY_LOCAL_MACHINE\SOFTWARE\Autodesk\MapGuide Server\6.3\
Parameters\EnableDatumShift
```

If datum shifting is enabled, data served by Autodesk MapGuide Server 6.3 may appear differently than the same data served by earlier releases of Autodesk MapGuide. Such differences might be most noticeable in environments with multiple Autodesk MapGuide servers in which one or more of the servers has not been upgraded to Release 6.3.

You will notice a reduction in performance when datum shifting is being done. This is expected behavior due to the complexity of these operations. Enabling datum shift support has the following effect on performance:

- If the data and map are in the same coordinate system, then no datum shifting is needed and Autodesk MapGuide Server 6.3 is faster than Autodesk MapGuide Server 6.0.

- If the data and map are in different coordinate systems, but no datum shift required, then Autodesk MapGuide Server 6.3 will show slight reduction in performance from Autodesk MapGuide Server 6.0.
- If the data and map are in different coordinate systems and datum shift required, then Autodesk MapGuide Server 6.3 will show significant reduction in performance from Autodesk MapGuide Server 6.0.

Spatial Data Providers Renamed

Autodesk SDPs for Oracle Spatial, SHP, and SDF have been renamed. The new names are as follows:

Old Name	New Name
Autodesk MapGuide Provider for Oracle [®] Spatial	Autodesk Provider for Oracle [®] Spatial
Autodesk MapGuide Provider for SHP	Autodesk Provider for SHP
Autodesk MapGuide Provider for SDF	Autodesk Provider for SDF

Browsing to SHP and SDF Data Sources

A Browse button is added to the Data Link properties dialog boxes for locating SDF and SHP data sources. Instead of typing a path to these data sources, you can optionally browse to the path using a standard Windows browse dialog box. If you choose to type a path instead, you can enter only a single path (see “Multiple Path Support Removed for DWG, SHP, and SDF Data Sources” on page 27.)

Multiple Path Support Removed for DWG, SHP, and SDF Data Sources

In Release 6.3, multiple search paths for DWG, SDF, and SHP data sources are *not* supported. If you have existing Autodesk MapGuide applications that use data sources with multiple paths, you will need to migrate this data to work with Autodesk MapGuide 6.3. To do this, you can either move the data from the multiple path locations to one common location, or create separate data sources for the multiple-path data and reference these new data sources.

Oracle 9i Geodetic and Data/Spatial Index Dimensionality Support

Beginning in Release 6.3, Autodesk Provider for Oracle Spatial supports Oracle 9i geodetic data and handles differences in data/spatial index dimensionality. By default, both geodetic data and dimensionality support are disabled. You can selectively enable this support for all Oracle data requests. If support is enabled, you will notice performance differences between Release 6.3 and Release 6.0.

To enable geodetic checking, use regedit to change the following registry setting from 0 (disabled) to 1 (enabled):

```
HKEY_LOCAL_MACHINE\SOFTWARE\Autodesk\OracleSDP\Parameters\  
EnableGeodeticCheck
```

To enable data/spatial index dimensionality checking, use regedit to change the following registry setting from 0 (disabled) to 1 (enabled):

```
HKEY_LOCAL_MACHINE\SOFTWARE\Autodesk\OracleSDP\Parameters\  
EnableDimensionalityCheck
```

Keyboard Accessibility

This section describes enhancements to keyboard accessibility for Autodesk MapGuide Server Admin.

Dialog Box Shortcut Keys

A dialog box is a window that appears temporarily on top of the Map Window or Map Explorer to request information. The following table lists the shortcut keys that can be used in each dialog box.

Operation	Shortcut Key
Move forward through tabs	CTRL+TAB or CTRL + PAGE DOWN
Move backward through tabs	CTRL+SHIFT+TAB or CTRL + PAGE UP
Move forward through controls	TAB
Move backward through controls	SHIFT+TAB
<ul style="list-style-type: none">• Execute command button• Select radio button (option control)• Set input focus and select text box• Set input focus and select drop-down list contents• Set input focus and select contents spin box	ALT + underlined letter
Execute command for the button	SPACEBAR
Select or clear the check box	SPACEBAR
<ul style="list-style-type: none">• Select a radio button• Change value in a spin box• Move through items in drop-down list or a list box	Arrow keys

Open a folder one level up if a folder is selected in the Save As or Open dialog box.	BACKSPACE
Display Help	F1
Display the list in drop-down list box	F4

The following guidelines describe how to use keyboard commands within dialog boxes:

Command Buttons

Command buttons, such as OK or Cancel, initiate an immediate action. If marked with an ellipsis (...), the command button opens another dialog box.

A dotted rectangle around the command button indicates that the button has input focus. Press SPACEBAR to select the button. Use TAB to move the keyboard input focus to the next control, and SHIFT + TAB to reverse the direction. Press ALT + the underlined letter to immediately carry out the command.

Controls

If a dialog box has a control with an access key (underlined letter) in its title, you can move to it or select it by typing ALT + access key. TAB moves the keyboard input focus between controls. Arrow keys are used to move within a list box, groups of option controls, or groups of page tabs.

Edit Controls

Edit controls are rectangular boxes used for displaying or editing text. Use TAB or ALT + underline letter to move input focus to the edit control and select the text.

Radio Buttons

Radio buttons (or option controls) are used to select only one option from a group of options. Use the arrow keys to select the next or previous buttons within the group. Press ALT + the underlined letter to move input focus to the control and select it.

Check Boxes

You select or clear check boxes to turn an option on or off. Use TAB to move between boxes and SPACEBAR to change the check box to the next state. Press ALT + the underlined letter to move input focus to the check box and then use SPACEBAR to change the state of the check box.

Tabbed Pages

Tabbed pages are used to fit many options into a single dialog box. They appear visually similar to dividers from a notebook. Each page contains separate groups of controls such as check boxes or option controls. Use CTRL + TAB or CTRL + PAGE DOWN to move input focus to the next tab and display the page. Use CTRL + SHIFT + TAB or CTRL + PAGE UP to move to the previous tab and display the page.

Spin Boxes

Spin boxes appear as a text box with up and Down Arrows used to select from a list of fixed values. Use TAB or ALT + the underlined letter to move the keyboard input focus to the text box. Enter the valid value or use the Up Arrow or Down Arrow keys to select the next higher or lower values.

Drop-down List Boxes

Drop-down list boxes, by default, display the selected item. There is a small button to the right of the control that shows a downward-pointing arrow. You show or hide the list by using ALT + Down Arrow, ALT + Up Arrow or F4. Use arrow keys to scroll through the list of items, then press SPACEBAR to select the item.

Autodesk MapGuide Viewers

4

This chapter describes data support and keyboard accessibility enhancements for Autodesk MapGuide Viewers.

In this chapter

- Data support
- Keyboard accessibility

Data Support

This section describes data support enhancements for Autodesk MapGuide Viewers.

Autodesk DWF (Design Web Format) Support

Autodesk DWF™ (Design Web Format™) is a fast, efficient way to distribute design data over the Web. If a DWG file, an SDF file, or a database contains valid DWF URLs, Autodesk MapGuide Viewer launches Autodesk Express Viewer when you double-click an object containing a DWG link. This viewer then displays the DWF file content. To be valid, a DWF URL must be in a URL property column of the DWG file, SDF file, or database.

Note To take advantage of this functionality, you must first install Autodesk Express Viewer. You can download Autodesk Express Viewer from the following location: <http://www.autodesk.com/expressviewer>.

Raster Image Rotation Support

Autodesk MapGuide Viewers can display rotated raster images if the image already contains rotation information. Autodesk MapGuide will interpret the rotation coordinates and display the image accordingly. For more information, see “Working with Rotation and Transparency” on page 52.

Keyboard Accessibility

This section describes new and changed features for Autodesk MapGuide Viewers: Autodesk MapGuide Viewer ActiveX control, Autodesk MapGuide Viewer Plug-In, and Autodesk MapGuide Viewer, Java Edition.

The user interface is enhanced to improve keyboard accessibility, including keyboard shortcuts and screen changes for input focus designation.

Input Focus

As with all applications running under Windows, only one window at a time can receive input from the keyboard. The window that receives this input is the window with *input focus*.

Legend

The Legend within an Autodesk MapGuide Viewer displays a hierarchical list of layers. When the Legend has input focus, the layer item is highlighted using the Control Panel Appearance color settings for Selected Items. When the Legend does not have input focus, it displays Inactive Selected Items color settings.

Map Window Input Focus

The Map Window within an Autodesk MapGuide Viewer displays the map. A Map Window with input focus has a rectangular inset border

General Shortcut Keys

Autodesk MapGuide Viewer allows you to interact with maps that were created using Autodesk MapGuide Author. Use the following shortcut keys in all versions of Autodesk MapGuide Viewers.

Command	Press
Set input focus to Map Explorer	[
Set input focus to Map Window]
Set input focus to Map Window, Select Mode	1
Set input focus to Map Window, Select Radius	2
Set input focus to Map Window, Select Polygon	3
Set input focus to Map Window, Select Features...	4
Set input focus to Map Window, Select Within...	5
Set input focus to Map Window, View Buffer...	6
Set input focus to Map Window, View Distance Mode	7
Display the corresponding menu	ALT + Underlined letter in a menu name

Carry out the corresponding command	Underlined letter in a command name on an open menu
Display Help	CTRL + F1
Open shortcut menu, if present	SHIFT + F10
Open shortcut menu, if present for MapGuide Plug-in/Netscape compatibility	CTRL+SHIFT+F10
Stop Loading data when loading. Cancel tool (return to Selection mode) when tool is active. Clear selection when features are selected in map.	Esc

Map Explorer

The Map Explorer, which appears on the left side of the Autodesk MapGuide Viewer window, allows you view map layers and layer group details.

Map layers are like transparencies that can be stacked and viewed at one time, or viewed separately. A map can also contain groups of layers, from which you can turn on or off all of the layers in the group at one time.

Note Current input focus must be on Map Explorer for shortcut keys to work.

Command	Press
For Autodesk MapGuide Viewer ActiveX Control and Plug-In: <ul style="list-style-type: none"> Expand item. Display current selection if it's collapsed, or select first subfolder. For Autodesk MapGuide Viewer Java Edition: <ul style="list-style-type: none"> Expand item, or if item cannot be expanded or is already expanded, traverse down to and select the next visible item 	Right Arrow
For Autodesk MapGuide Viewer ActiveX Control and Plug-In: <ul style="list-style-type: none"> Collapse item. Collapse current selection if it is expanded or select parent folder. For Autodesk MapGuide Viewer Java Edition: <ul style="list-style-type: none"> Collapse item, or if item cannot be collapsed or is already collapsed traverse up to and select the next higher item. 	Left Arrow

<p>For Autodesk MapGuide Viewer ActiveX Control and Plug-In:</p> <ul style="list-style-type: none"> • Collapse item. If item is collapsed then move to next higher item. <p>For Autodesk MapGuide Viewer Java Edition:</p> <ul style="list-style-type: none"> • Does nothing. 	Backspace
Traverse up to next visible item, if present	Up Arrow
Traverse down to next visible item, if present	Down Arrow
Toggle checkbox, if present	Spacebar
Scroll up one page and select the item	Page Up
Scroll down one page and select the item	Page Down
Scroll to the top and select the item	Home
Scroll to the bottom and select the item	End
<p>For Autodesk MapGuide Viewer ActiveX Control and Plug-In:</p> <ul style="list-style-type: none"> • Display all sub-items under the selected item. <p>For Autodesk MapGuide Viewer Java Edition:</p> <ul style="list-style-type: none"> • Does nothing. 	NUM LOCK+ASTERISK on numeric keypad (*)
<p>For Autodesk MapGuide Viewer ActiveX Control and Plug-In:</p> <ul style="list-style-type: none"> • Display the contents of the selected item. <p>For Autodesk MapGuide Viewer Java Edition:</p> <ul style="list-style-type: none"> • Does nothing 	NUM LOCK+PLUS SIGN on numeric keypad (+)
<p>For Autodesk MapGuide Viewer ActiveX Control and Plug-In:</p> <ul style="list-style-type: none"> • Collapse the selected item. <p>For Autodesk MapGuide Viewer Java Edition:</p> <ul style="list-style-type: none"> • Does nothing 	NUM LOCK+MINUS SIGN on numeric keypad (-)
Move forward through tabs	CTRL+TAB
Move backward through tabs	CTRL+SHIFT+TAB

Map Layer Popup Menu Shortcut Keys

To open the map layer Popup menu, set input focus to the Map Explorer window. Use the Up/Down Arrow keys to select a map layer or map layer group, then press SHIFT + F10 to open the Map Layer popup menu. When the popup menu appears, you can select menu items by typing the underlined letter identified in the label.

Note Current input focus must be on Map Explorer for shortcut keys to work.

Command	Press
Open popup menu (if present)	SHIFT + F10 or CTRL + SHIFT + F10
Move up to the next menu item	Up Arrow
Move down to the next menu item	Down Arrow
Expand menu item (if right arrow is present next to label)	Right Arrow
Collapse menu item (if expanded)	Left Arrow
Opens the menu item	Underlined Letter in menu label

Map Window

Using Autodesk MapGuide viewer, you can zoom in and out on a map or move the map to display areas that are outside the current view. Use the following shortcut keys to activate the zoom and pan functionality.

Note Current input focus must be on the Map Window for shortcut keys to work.

Command	Press
Pan Right—Map moves to the left. Press and hold Right Arrow key to continue to move the map to the left.	Right Arrow
Pan Left—Map moves to the right. Press and hold Left Arrow to continue to move the map to the right.	Left Arrow
Pan Up—Map moves down. Press and hold Up Arrow key to continue to move the map down.	Up Arrow
Pan Down—Map moves up. Press and hold Down arrow key to continue to move the map up.	Down Arrow
Increases the rate at which the map pans to the left.	SHIFT + Right Arrow
Increases the rate at which the map pans to the right.	SHIFT + Left Arrow
Increases the rate at which the map pans down.	SHIFT + Up Arrow
Increases the rate at which the map pans up.	SHIFT + Down Arrow
Zoom Out—decreases magnification of a specific area. Press and hold Page Up key to continue to zoom out.	Page Up
Zoom In—increases magnification of a specific area. Press and hold Page Down key to continue to zoom in.	Page Down
Increases the rate at which the specific area zooms out.	SHIFT + Page Up
Increases the rate at which the specific area zooms in.	SHIFT + Page Down
Unzoom	Home

Open Zoom Goto dialog box	End
Zoom Previous	Backspace
Zoom Previous	CTRL + Left Arrow

Note Pan and zoom rates are controlled by Repeat Delay and Repeat Rate Keyboard properties. You can adjust these rates by changing the Keyboard settings in the Control Panel.

Map Window Manipulation Shortcut Keys

Note Current input focus must be on the Map Window for shortcut keys to work.

Command	Press
Copy Map Window to Clipboard	SHIFT + C
Select Radius—Select features that are within a certain radius. Press and hold the ENTER key to increase the size of the selection area.	ENTER
Launch Reports	ALT+ENTER

Map Window Popup Menu

The Map Window popup menu provides quick access to Map Window dialog boxes or commands from toolbar buttons. To open the Map Window popup menu, press SHIFT + F10 when the Map Window has input focus. When the popup menu appears in the Map Window, you can select menu items by typing the underlined letter identified in the label. Which popup menu commands appear depend on how the map was created. You may not see all commands listed in the following table, or you may notice some custom commands not in this list.

Note Current input focus must be on the Map Window for shortcut keys to work.

Command	Press
Open popup menu (if present)	SHIFT + F10 or CTRL + SHIFT + F10
Moves up to the next menu item	Up Arrow
Moves down to the next menu item	Down Arrow
Expand menu item (if right arrow is present next to label)	Right Arrow
Collapse menu item (if expanded)	Left Arrow
Open the menu item	Underlined letter in menu label

Dialog Box Shortcut Keys

A dialog box is a window that appears temporarily on top of the Map Window or Map Explorer to request information. The following table lists the shortcut keys that can be used in each dialog box.

Operation	Shortcut Key
Move forward through tabs	CTRL+TAB or CTRL + PAGE DOWN
Move backward through tabs	CTRL+SHIFT+TAB or CTRL + PAGE UP
Move forward through controls	TAB
Move backward through controls	SHIFT+TAB

<ul style="list-style-type: none"> • Execute command button • Select radio button (option control) • Set input focus and select text box • Set input focus and select drop-down list contents • Set input focus and select contents spin box 	ALT + underlined letter
Execute command for the button	SPACEBAR
Select or clear the check box	SPACEBAR
<ul style="list-style-type: none"> • Select a radio button • Change value in a spin box • Move through items in drop-down list or a list box 	Arrow keys
Open a folder one level up if a folder is selected in the Save As or Open dialog box.	BACKSPACE
Display Help	F1
Display the list in drop-down list box	F4

The following guidelines describe how to use keyboard commands within dialog boxes:

Command Buttons

Command buttons, such as OK or Cancel, initiate an immediate action. If marked with an ellipsis (...), the command button opens another dialog box.

A dotted rectangle around the command button indicates that the button has input focus. Press SPACEBAR to select the button. Use TAB to move the keyboard input focus to the next control, and SHIFT + TAB to reverse the direction. Press ALT + the underlined letter to immediately carry out the command.

Controls

If a dialog box has a control with an access key (underlined letter) in its title, you can move to it or select it by typing ALT + access key. TAB moves the keyboard input focus between controls. Arrow keys are used to move within a list box, groups of option controls, or groups of page tabs.

Edit Controls

Edit controls are rectangular boxes used for displaying or editing text. Use TAB or ALT + underlined letter to move input focus to the edit control and select the text.

Radio Buttons

Radio buttons (or option controls) are used to select only one option from a group of options. Use the arrow keys to select the next or previous buttons within the group. Press ALT + the underlined letter to move input focus to the control and select it.

Check Boxes

You select or clear check boxes to turn an option on or off. Use TAB to move between boxes and SPACEBAR to change the check box to the next state. Press ALT + the underlined letter to move input focus to the check box and then use SPACEBAR to change the state of the check box.

Tabbed Pages

Tabbed pages are used to fit many options into a single dialog box. They appear visually similar to dividers from a notebook. Each page contains separate groups of controls such as check boxes or option controls. Use CTRL + TAB or CTRL + PAGE DOWN to move input focus to the next tab and display the page. Use CTRL + SHIFT + TAB or CTRL + PAGE UP to move to the previous tab and display the page.

Spin Boxes

Spin boxes appear as a text box with up and Down Arrows used to select from a list of fixed values. Use TAB or ALT + the underlined letter to move the keyboard input focus to the text box. Enter the valid value or use the Up Arrow or Down Arrow keys to select the next higher or lower values.

Drop-down List Boxes

Drop-down list boxes, by default, display the selected item. There is a small button to the right of the control that shows a downward-pointing arrow. You show or hide the list by using ALT + Down Arrow, ALT + Up Arrow or F4. Use arrow keys to scroll through the list of items, then press SPACEBAR to select the item.

Operations that Require a Pointing Device

Certain operations for Autodesk MapGuide Viewer ActiveX Control and Plug-In require the use of a pointing device, such as a mouse or tablet. If you are not using a pointing device, consider using mouse emulator software to perform mouse operations from your keyboard. Autodesk MapGuide Viewer operations that require a pointing device are:

- View Distance
- Select Polygon
- View Report (Digitize point)

Autodesk MapGuide Viewer Java Edition Differences

The following are behavioral differences between Autodesk MapGuide Viewer Java Edition and other Autodesk MapGuide Viewers.

- On some implementations of Java, when input focus is shifted from a component to another application or window, input focus may not go back to the component that last had input focus.
- Pressing the space bar toggles the visibility of a layer in the Legend. For Autodesk MapGuide Viewer Java Edition, the new state will be the inverse of the first selected item in the legend. This is different from standard tree behavior where the new state is the inverse of item with input focus.
- The legend may not use system colors when being displayed.
- The legend may not change colors when the system colors are changed through the System Display Properties dialog box. To get the new colors, restart the browser.
- If you are running Autodesk MapGuide Viewer Java Edition on an Apple Macintosh computer, keyboard accessibility does not work for certain operations.
- Help buttons for dialogs are not available in Autodesk MapGuide Viewer Java Edition. To get dialog Help, either select the Help (?) icon or right click and select Help > Help Contents, then navigate to the appropriate dialog topic.

Symbol Manager

This chapter describes keyboard accessibility enhancements for Symbol Manager.

5

In this chapter

- Keyboard accessibility

Keyboard Accessibility

This section describes enhancements to keyboard accessibility for Symbol Manager.

Main Menu Shortcut keys

The following shortcut keys are used to activate menu items appearing on the Symbol Manager main menu bar. An ellipsis (...) after the menu item indicates that a dialog box will appear after the command is chosen.

Command	Press
Create a new symbol	CTRL + N
Open an existing symbol	CTRL + O
Save the active symbol	CTRL + S
Cut symbol	CTRL + X
Copy symbol	CTRL + C
Paste symbol	CTL + V
Select All	CTRL + A
Clear	DELETE
Display Help	F1
Set input focus to the main menu bar. The left-most menu name is selected (for example, File)	F10
Move input focus between menu titles on the menu bar in the direction of the arrow.	Left Arrow or Right Arrow
Open the selected menu item. Down Arrow selects the next command in the list. Up Arrow selects the previous command in the list	Up Arrow or Down Arrow

Open the selected menu when input focus is on the menu title. Activate a menu item when input focus is on a menu item.	ENTER
Close an open menu and move input focus back to the parent menu (if present).	ESC
Initiate the command of the menu item	Underlined letter or Underlined number

Main Menu Access Keys

Most menu names or menu items have an underlined character (access key). You can press ALT along with the access key to open the menu item anywhere within the active window.

Command	Press
Open File Menu	ALT + F
Open Edit Menu	ALT + E
Open Tools Menu	ALT + T
Open Help Menu	ALT + H

Dialog Box Shortcut Keys

A dialog box is a window that appears temporarily on top of the Map Window or Map Explorer to request information. The following table lists the shortcut keys that can be used in each dialog box.

Operation	Shortcut Key
Move forward through tabs	CTRL+TAB or CTRL + PAGE DOWN
Move backward through tabs	CTRL+SHIFT+TAB or CTRL + PAGE UP

Move forward through controls	TAB
Move backward through controls	SHIFT+TAB
<ul style="list-style-type: none"> • Execute command button • Select radio button (option control) • Set input focus and select text box • Set input focus and select drop-down list contents • Set input focus and select contents spin box 	ALT + underlined letter
Execute command for the button	SPACEBAR
Select or clear the check box	SPACEBAR
<ul style="list-style-type: none"> • Select a radio button • Change value in a spin box • Move through items in drop-down list or a list box 	Arrow keys
Open a folder one level up if a folder is selected in the Save As or Open dialog box.	BACKSPACE
Display Help	F1
Display the list in drop-down list box	F4

The following guidelines describe how to use keyboard commands within dialog boxes:

Command Buttons

Command buttons, such as OK or Cancel, initiate an immediate action. If marked with an ellipsis (...), the command button opens another dialog box.

A dotted rectangle around the command button indicates that the button has input focus. Press SPACEBAR to select the button. Use TAB to move the keyboard input focus to the next control, and SHIFT + TAB to reverse the direction. Press ALT + the underlined letter to immediately carry out the command.

Controls

If a dialog box has a control with an access key (underlined letter) in its title, you can move to it or select it by typing ALT + access key. TAB moves the keyboard input focus between controls. Arrow keys are used to move within a list box, groups of option controls, or groups of page tabs.

Edit Controls

Edit controls are rectangular boxes used for displaying or editing text. Use TAB or ALT + underline letter to move input focus to the edit control and select the text.

Radio Buttons

Radio buttons (or option controls) are used to select only one option from a group of options. Use the arrow keys to select the next or previous buttons within the group. Press ALT + the underlined letter to move input focus to the control and select it.

Check Boxes

You select or clear check boxes to turn an option on or off. Use TAB to move between boxes and SPACEBAR to change the check box to the next state. Press ALT + the underlined letter to move input focus to the check box and then use SPACEBAR to change the state of the check box.

Tabbed Pages

Tabbed pages are used to fit many options into a single dialog box. They appear visually similar to dividers from a notebook. Each page contains separate groups of controls such as check boxes or option controls. Use CTRL + TAB or CTRL + PAGE DOWN to move input focus to the next tab and display the page. Use CTRL + SHIFT + TAB or CTRL + PAGE UP to move to the previous tab and display the page.

Spin Boxes

Spin boxes appear as a text box with up and Down Arrows used to select from a list of fixed values. Use TAB or ALT + the underlined letter to move the keyboard input focus to the text box. Enter the valid value or use the Up Arrow or Down Arrow keys to select the next higher or lower values.

Drop-down List Boxes

Drop-down list boxes, by default, display the selected item. There is a small button to the right of the control that shows a downward-pointing arrow. You show or hide the list by using ALT + Down Arrow, ALT + Up Arrow or F4. Use arrow keys to scroll through the list of items, then press SPACEBAR to select the item.

Operations that Require a Pointing Device

Autodesk MapGuide Symbol Manger requires the use of a pointing device, such as a mouse or tablet, for setting bitmap transparency. If you are not using a pointing device, consider using mouse emulator software to perform mouse operations from your keyboard.

Raster Workshop

This chapter describes data support and keyboard accessibility enhancements for Raster Workshop.

6

In this chapter

- Data support
- Keyboard accessibility

Data Support

This section describes data support enhancements for Raster Workshop.

Working with Rotation and Transparency

Autodesk MapGuide Author can interpret and display rotated raster images. You can rotate raster images using Autodesk Raster Design 2004 and combine them into one or more Raster Image Catalog (RIC) files using Raster Workshop.

When using a RIC file containing rotated raster images, all images (rotated or not) within the RIC file are rendered in PNG format. This conversion also happens for images that contain transparency information, whether or not they are rotated. PNG files are typically larger than other raster file formats (such as JPG) and take longer to send to clients. Because of this design, follow these guidelines to ensure optimum server-to-client performance:

- When creating a RIC file containing rotated images, you must use Release 6.3 of Raster Workshop.
- Do not mix rotated images and non-rotated (orthogonal) images in the same RIC file. Instead create separate RIC files for non-rotated images and for images with rotation or transparency information.
- When working with transparent images, you can improve performance by creating transparent tiled TIFF files with Raster Workshop.

Keyboard Accessibility

This section describes enhancements to keyboard accessibility for Raster Workshop.

Dialog Box Shortcut Keys

A dialog box is a window that appears temporarily on top of the Map Window or Map Explorer to request information. The following table lists the shortcut keys that can be used in each dialog box.

Operation	Shortcut Key
Move forward through tabs	CTRL+TAB or CTRL + PAGE DOWN
Move backward through tabs	CTRL+SHIFT+TAB or CTRL + PAGE UP
Move forward through controls	TAB
Move backward through controls	SHIFT+TAB
<ul style="list-style-type: none">• Execute command button• Select radio button (option control)• Set input focus and select text box• Set input focus and select drop-down list contents• Set input focus and select contents spin box	ALT + underlined letter
Execute command for the button	SPACEBAR
Select or clear the check box	SPACEBAR
<ul style="list-style-type: none">• Select a radio button• Change value in a spin box• Move through items in drop-down list or a list box	Arrow keys
Open a folder one level up if a folder is selected in the Save As or Open dialog box.	BACKSPACE
Display Help	F1
Display the list in drop-down list box	F4

The following guidelines describe how to use keyboard commands within dialog boxes:

Command Buttons

Command buttons, such as OK or Cancel, initiate an immediate action. If marked with an ellipsis (...), the command button opens another dialog box.

A dotted rectangle around the command button indicates that the button has input focus. Press SPACEBAR to select the button. Use TAB to move the keyboard input focus to the next control, and SHIFT + TAB to reverse the direction. Press ALT + the underlined letter to immediately carry out the command.

Controls

If a dialog box has a control with an access key (underlined letter) in its title, you can move to it or select it by typing ALT + access key. TAB moves the keyboard input focus between controls. Arrow keys are used to move within a list box, groups of option controls, or groups of page tabs.

Edit Controls

Edit controls are rectangular boxes used for displaying or editing text. Use TAB or ALT + underline letter to move input focus to the edit control and select the text.

Radio Buttons

Radio buttons (or option controls) are used to select only one option from a group of options. Use the arrow keys to select the next or previous buttons within the group. Press ALT + the underlined letter to move input focus to the control and select it.

Check Boxes

You select or clear check boxes to turn an option on or off. Use TAB to move between boxes and SPACEBAR to change the check box to the next state. Press ALT + the underlined letter to move input focus to the check box and then use SPACEBAR to change the state of the check box.

Tabbed Pages

Tabbed pages are used to fit many options into a single dialog box. They appear visually similar to dividers from a notebook. Each page contains separate groups of controls such as check boxes or option controls. Use CTRL + TAB or CTRL + PAGE DOWN to move input focus to the next tab and display the page. Use CTRL + SHIFT + TAB or CTRL + PAGE UP to move to the previous tab and display the page.

Spin Boxes

Spin boxes appear as a text box with up and Down Arrows used to select from a list of fixed values. Use TAB or ALT + the underlined letter to move the keyboard input focus to the text box. Enter the valid value or use the Up Arrow or Down Arrow keys to select the next higher or lower values.

Drop-down List Boxes

Drop-down list boxes, by default, display the selected item. There is a small button to the right of the control that shows a downward-pointing arrow. You show or hide the list by using ALT + Down Arrow, ALT + Up Arrow or F4. Use arrow keys to scroll through the list of items, then press SPACEBAR to select the item.

SDF Loader

This chapter describes data support enhancements for SDF Loader.

7

In this chapter

- Data support enhancements

Data Support Enhancements

This section describes data support enhancements for SDF Loader.

New AutoCAD 2004 DWG Format

SDF Loader supports the new drawing file (DWG) format introduced by AutoCAD 2004.

MPolygon Support

MPolygon is a new DWG entity added by AutoCAD 2004. In AutoCAD 2004, this feature allows users to create polygon objects by selecting existing closed polyline object and circles, or by specifying points for boundary segments or arcs.

When SDF Loader converts an AutoCAD DWG file that contains MPolygons, the MPolygons are rendered as polypolygons in the resulting SDF file. During this conversion, the MPolygon will lose its fill (hatching) properties.

Autodesk MapGuide Author displays the MPolygon with a solid fill style by default. You can change the fill style as needed using Autodesk MapGuide Author.

Index

A

- access keys 11, 22, 30, 42, 49, 54
 - Autodesk MapGuide Author main menu 15
 - Symbol Manager main menu 47
- AutoCAD 2004 DWG 26, 58
 - MPolygon 58
- Autodesk MapGuide Author 9
 - data support 10
 - keyboard accessibility 11
- Autodesk MapGuide Server 25
 - data support 26
- Autodesk MapGuide Server Admin
 - keyboard accessibility 29
- Autodesk MapGuide Viewer 33
 - data support 34
 - Java Edition differences 44
 - keyboard accessibility 34
- Autodesk Spatial Data Providers (SDPs) 25, 27

D

- data support
 - Autodesk MapGuide Author 10
 - Autodesk MapGuide Server 26
 - Autodesk MapGuide Viewer 34
 - Raster Workshop 52
 - SDF Loader 58
- datum shift 26
- Design Web Format *See* DWF
- dialog boxes
 - keyboard accessibility 21, 29, 41, 47, 53
- DWF 10, 34
- DWG
 - AutoCAD 2004 26, 58
 - MPolygon 58
- DWG support
 - and password protection 26

H

- hot keys 11

I

- input focus 11, 34
- installation and licensing 2

K

- keyboard accessibility
 - Autodesk MapGuide Author 11
 - Autodesk MapGuide Server Admin 29
 - Autodesk MapGuide Viewer 34
 - dialog boxes 21, 29, 41, 47, 53
 - Raster Workshop 52
 - Symbol Manager 46

M

- MPolygon 58
- multiple paths for data sources 27

O

- Oracle Spatial data support
 - data/spatial index dimensionality 28
 - geodetic data 28
 - multi-point collection geometry objects 10
- Oracle Spatial views 10

R

- raster images
 - rotation 52
 - support for rotated images 10, 34
 - transparency 52
- Raster Workshop 51
 - data support 52
 - keyboard accessibility 52
- rotation of raster images 52

S

- SDF Loader 57
 - data support 58
- Symbol Manager 45
 - keyboard accessibility 46

T

- transparency of raster images 52

