

ProjectWise Managed Workspaces

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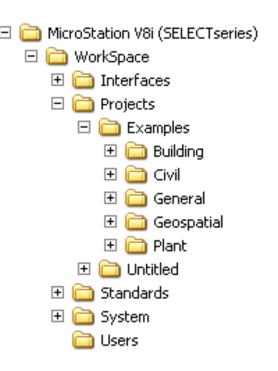
Presentation overview

- Managing MicroStation workspaces in ProjectWise
 - Application configuration
 - Workspace profiles
- Challenges in managing workspaces
- Managed Workspace



MicroStation Workspaces

- MicroStation Workspace defines all resource files and settings used in drawing creation / modification
- Examples : seed.dgn, dgnlib, cel, rsc,
- Workpace can be locally stored or shared in the network





Traditional MicroStation workspaces management

- Locally stored workspace C:\...\Workspace\
 - Changes need to be distributed to all workstations
 - Always available (offline work)
- Network workspace <u>\\server\Bentleyworkspace\</u>
 - Changes can be managed centrally
 - Not available when working offline
 - When dgn files are accessed from remote location connection to network workspace is slow or not available
- Mixed local / network
 - Central (networked) workspace is used normally, but a local copy is available for offline editing
 - Test in the MicroStation cfg files, if network is available
 - Difficult to maintain, requires manual copying of the files Bentley

Possiblities to control workspaces in ProjectWise

- Application startup arguments
- Workspace profiles
- Managed workspaces



Application startup parameters

- Force MicroStation to be opened in a predefined workspace
- Always open MicroStation in the same workspace
- No project specific changes

Modify Properties of Open Action (Bentley MicroStati 🗙
Action
Open 💌
Program description:
Bentley MicroStation
Program class name:
Bentley.MicroStation.Application
Command line <u>a</u> rguments:
-wuuntitled -wpuntitleds
Enable Jegacy integration
<u>Replace default arguments</u>
Command line that will be used to start application:
"C:\Program Files\Bentley\MicroStation V8i (SELECT series)\MicroS
Set application icon
<u> </u>



Workspace profiles

- Allows workspaces to be defined for each project
- Workspace can be in a network or local drive
- Workspaces can be selected by user/group
- Workspace can be assigned to folder

E_PSPID_PDB Properties	<u>?</u> ×
MicroStation User Settings AutoCAD Settings General MicroStation Settings	
MicroStation Workspace Profile Root directory	
Settings\All Users\Application Data\Bentley\WorkSpace\ Additional command-line arguments	
-wc"C:\Program Files\Bentley\Pspid\config\pidlocal.cfg"	
Default properties User Configuration File Name	
untitled	
Project Configuration File Name dp_pdb	
User Interface Name default	
OK Cancel <u>A</u> p;	bly



Workspace profiles

- Project properties can be used to control which workspace is used in the project
- Project workspace must be available for the user

W navigator Properties
MicroStation User Settings AutoCAD Settings General MicroStation Settings
MicroStation Workspace Profile Root directory C:\Program Files\Bentley\WorkSpace\
Additional command-line arguments
Default properties User Configuration File Name
\$PROJECT#PROJECT_ProjectWise_Navigator_Startup_p; Project Configuration File Name
\$PROJECT#PROJECT_Navigator_params_project\$ User Interface Name
OK Cancel Apply



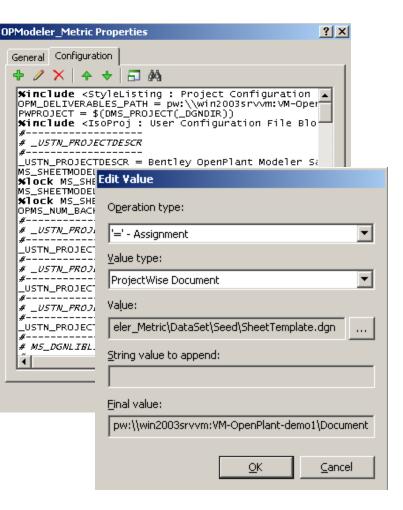
Managed Workspaces Overview

- ProjectWise implementation of MicroStation workspaces
- Manage both the data and the configuration
 - Configuration as database records (CSBs), not text files
- Workspace can be assigned to various objects in ProjectWise
- Workspace is processed when file is opened
 - Configuration is built
 - Supporting data is copied locally



Managed workspaces

- Workspace is stored in ProjectWise
- Cells, fonts, .rsc, .dgnlibs are imported into Projectwise
- Configuration files (.ucf, .pcf, .cfg) are loaded into database





Managed Workspaces Advantages

- Users cannot load the wrong workspace
- Management, search, and control of standards content
- Quick and simple to add distributed users to a project
- More levels and opportunities to assign and specify configuration
- Configuration CAN be simpler to implement





How to create managed workspace?



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Managed Workspace Import Wizard

🙍 Workspace Import Wizard	
Choose Desired Action	
Select the action that you would like to perform during this wizard session.	Y 🕄
- Actions	
Import MicroStation Configuration Files to ProjectWise Configuration Settings Blocks	
Import Data to ProjectWise, from the <u>File</u> System	
Import Data to ProjectWise, specific to MicroStation Users and Projects	
O Update ProjectWise Configuration Settings Blocks to Refer to ProjectWise Data	
Help < Back Next > Einish	Cancel



Importing MicroStation configuration files to ProjectWise configuration blocks

Workspace Import Wizard	
- 📅 Workspace Import Wizard	
Image: State Import Wizard Image: State Import Wizard	
Importing Configuration Files	JT.
To continue, click Next.	Y ' S
sta	
	Cancel
	L
Importing Configuration File: D:\BentleyWorkspace\MicroStation V8i (SELECT series)\WorkSpace\Users\until Adding configuration settings value: _USTN_USERDESCR	53.001
Adding configuration settings value: _USTN_PROJECTNAME	
Adding configuration settings value: MS_PROTECTION_ENABLE	
Adding configuration settings value: MS_MARKUPVIEWRESOLUTION	
Importing Configuration File: C:\Documents and Settings\Administrator\Local Settings\Temp\tmp26.tmp\Worksp	paceRoot.cfg
Adding configuration settings value: _USTN_WORKSPACER00T	-
	_
Help < Back	Cancel

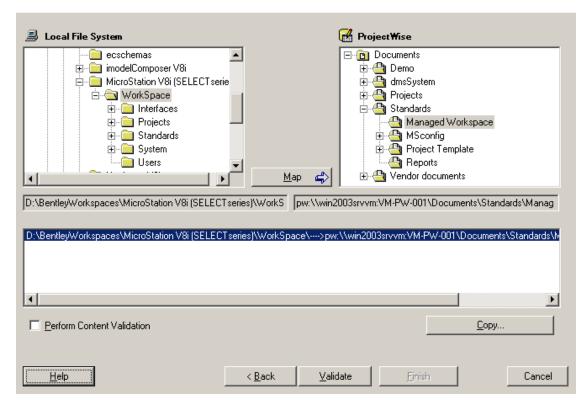


Import data from file system

📴 Workspace Import Wizard

Import and Validate ProjectWise Folder Structure and Documents

You can Map one or more local directories to ProjectWise folders. When you click "Validate", all subfolders and files underneath the source directories will be compared to subfolders and documents of their ProjectWise targets. You can upload data to ProjectWise before continuing by selecting a mapping in the Mappings list and clicking "Copy".





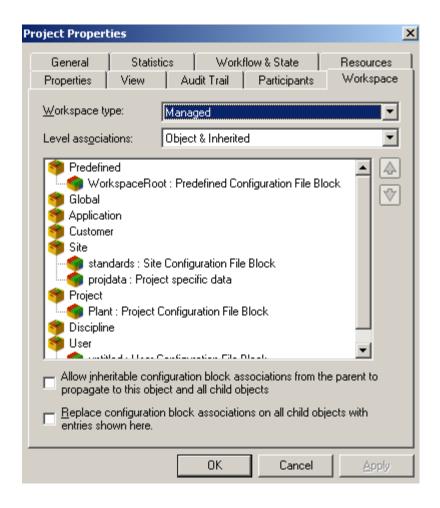
_ 🗆 ×

Update CSBs to point to ProjectWise files

Workspace Import Wizard _ 🗆 🗡 **Remap Paths and Variables** ٧T File system paths (if any) found in your CSB's have been assembled into a tree-like hierarchy. Variables (if any) are also listed. You can remap all or part of any path, and/or variable, by selecting an appropriate node and pointing it at a ProjectWise Folder. CSB Variables 🛃 ProjectWise 🗄 🕘 Demo 🖃 🗐 File System Paths ٠ 🗄 - 글 D: . 🗄 🕘 dmsSystem 🚊 📅 Variable Substitutions 🗄 🕒 Projects \$(_USTN_PROJECT) 🗄 🕘 Standards . \$(_USTN_PROJECTDATA) 🖻 🕘 Managed Workspace \$(_USTN_PROJECTSROOT) 🗄 🕘 Interfaces 🗄 🕘 Projects 한 \$(_USTN_SITE) \$(_USTN_WORKSPACEROOT) 🗄 🕒 Standards Υ^ττ \$(MS_DEF) 🗄 🕘 System \$(MS_DGNLIBLIST) ¢ 🕘 Users <u>M</u>ap Ŧ \$(_USTN_PROJECT) pw:\\win2003srvvm:VM-PW-001\Documents\Standards\Manag \$(USTN_WORKSPACEROOT)--->pw:\\win2003srvvm:VM-PW-001\Documents\Standards\Managed Workspace\ Automatically Remap Subdirectories Help < Back Next > Cancel



Assign Managed Workspace for folder





Process Order

First to Process

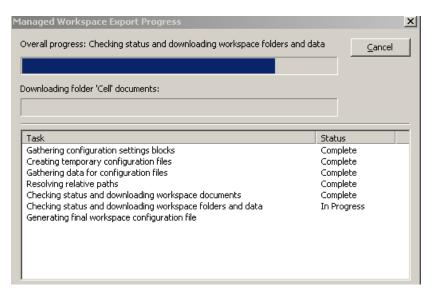
- System Environment Variables
- Predefined CSB Level
- System Configuration files
 - In Config\system must be *.cfg (msconfig.cfg, mslocal.cfg, msdir.cfg)
- Global CSB Level
- Application CSB Level
- Application Configuration files
 - In config/appl must be

- Customer CSB Level Site CSB Level • Site Configuration files - Must be *.CFG Project CSB Level • **Discipline CSB Level** ٠ User CSB Level Personal Workspace
 - <u>Open File</u>



Demo

- Managed workspace setting
- Folder settings
- Using managed workspaces





Projects and Managed Workspaces

Project specific settings

- Cells, DGNlib and other configuration files can be stored under PW project
- ProjectWise dynamically changes the path depending on project
- Integrate with project template
- \$(DMS_PROJECT(_DGNDIR))/8. Project Standards/DGNlib/*.dgnlib



• \$(DMS_PROJECT(_DGNDIR))/8. Project Standards/DGNlib/*.dgnlib

IS_DGNLIBLIS						
<u>N</u> ame:	MS_DGNLIBLIST					
Description:	MS_DGNLIBLIST					
Edi <u>t</u> mode:	Overwrite					
		Inactive				
<u>V</u> alues —						
Operation	Туре	Value				
<		pw:\\win2003srvvm:VM-OpenPlant-demo1\Documents\Standards\Managed Workspace\Projects\OPModeler_Metric\DataSet\Dgnlibs\				
>	String \$(DMS_PROJECT(_DGNDIR))/8. Project Standards/DGNlib/*.dgnlib					
•						
·						
<u>A</u> dd	Modif	y Remove				
R <u>e</u> sult value:						
		enPlant-demo1\Documents\Standards\Managed Workspace\Projects\OPModeler_Metric\DataSet\Dgnlibs*.dgnlib .))/8. Project Standards/DGNlib/*.dgnlib				
		Wei Hojek Skanda Sybaraio, Jagraio				
l						



Demo

- Project specific setting
- Project Templates



Considerations

- General
 - What data should be in managed workspace?
- Geography
 - Where are your users? How do they typically connect?
- Applications
 - Applications use managed workspaces differently
 - Does everyone have the applications installed?
- Users
- Data
 - Databases, Point Clouds, Raster images





Thank You

Questions?



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