ProjectWise Managed Workspaces

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Presentation overview

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

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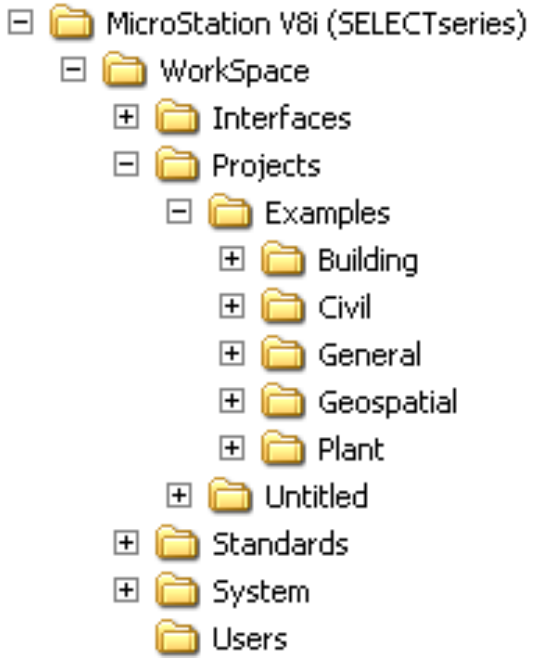
MicroStation Workspaces

- 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



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Traditional MicroStation workspaces management

- Locally stored workspace C:\...\Workspace\
  - Changes need to be distributed to all workstations
  - Always available (offline work)
- Network workspace \\server\Bentleyworkspace\
  - 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

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Possiblities to control workspaces in ProjectWise

- Application startup arguments
- Workspace profiles
- Managed workspaces

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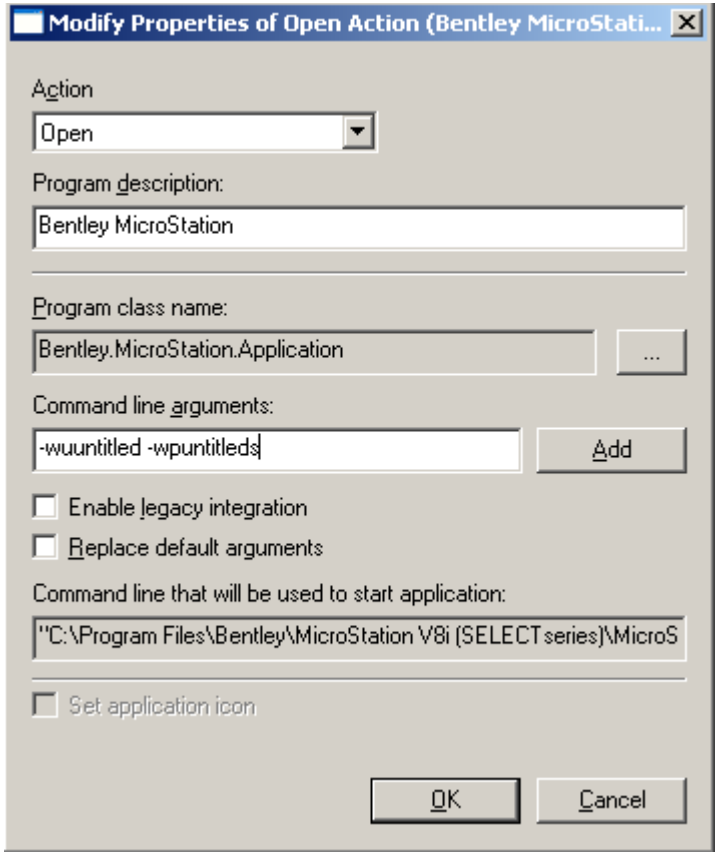
Application startup parameters

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



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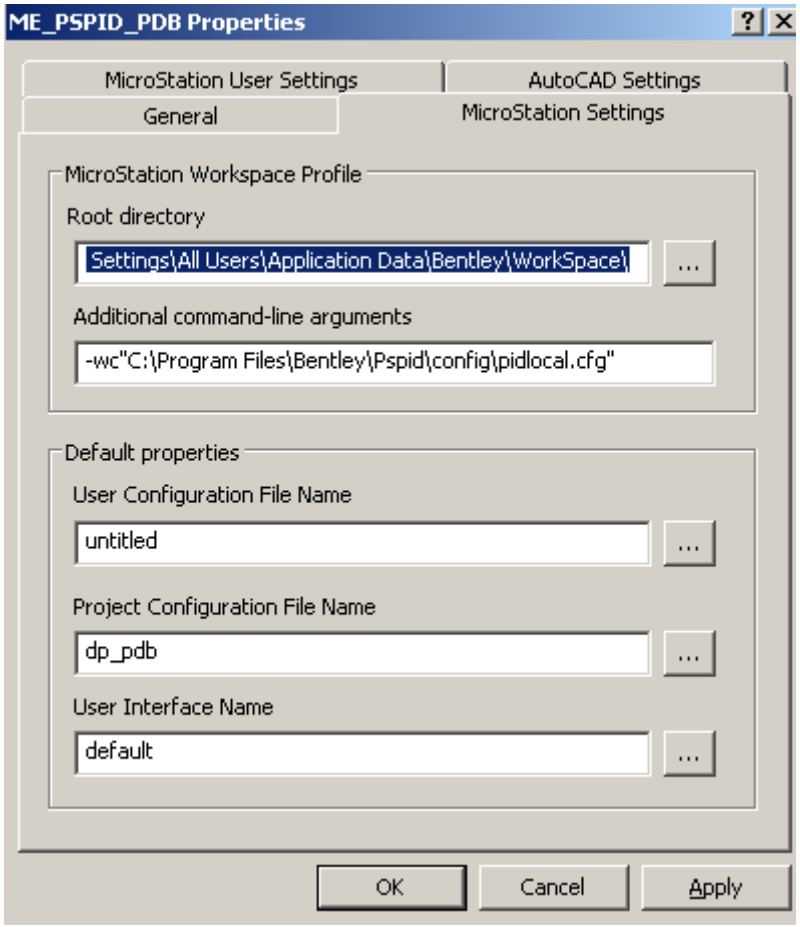
Workspace profiles

- 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



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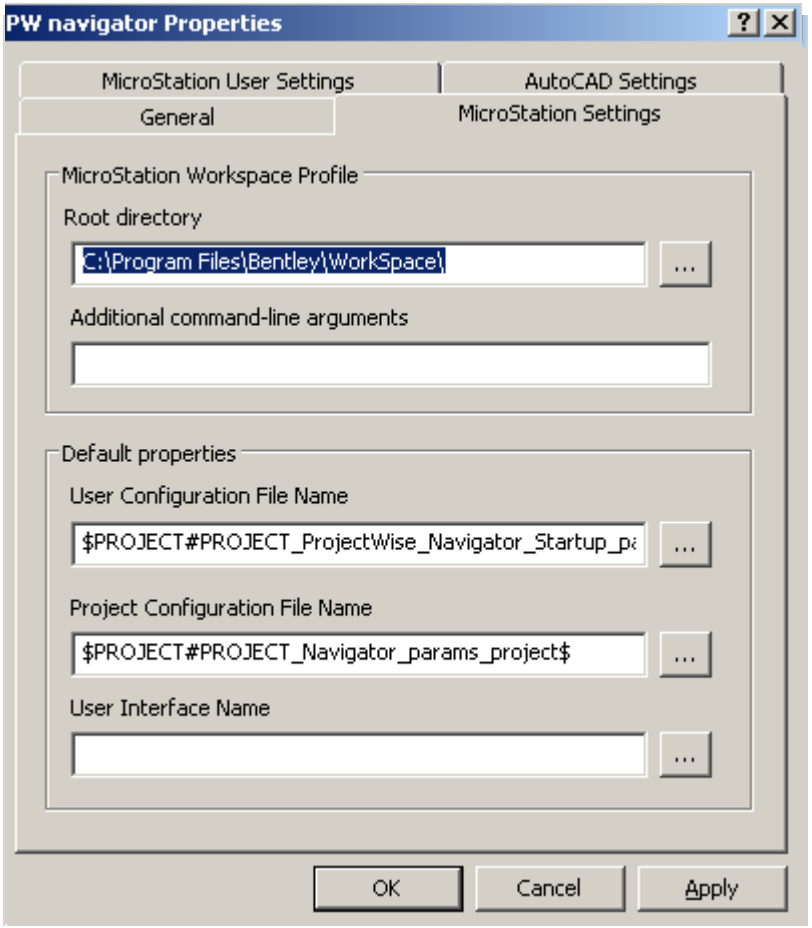
Workspace profiles

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



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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

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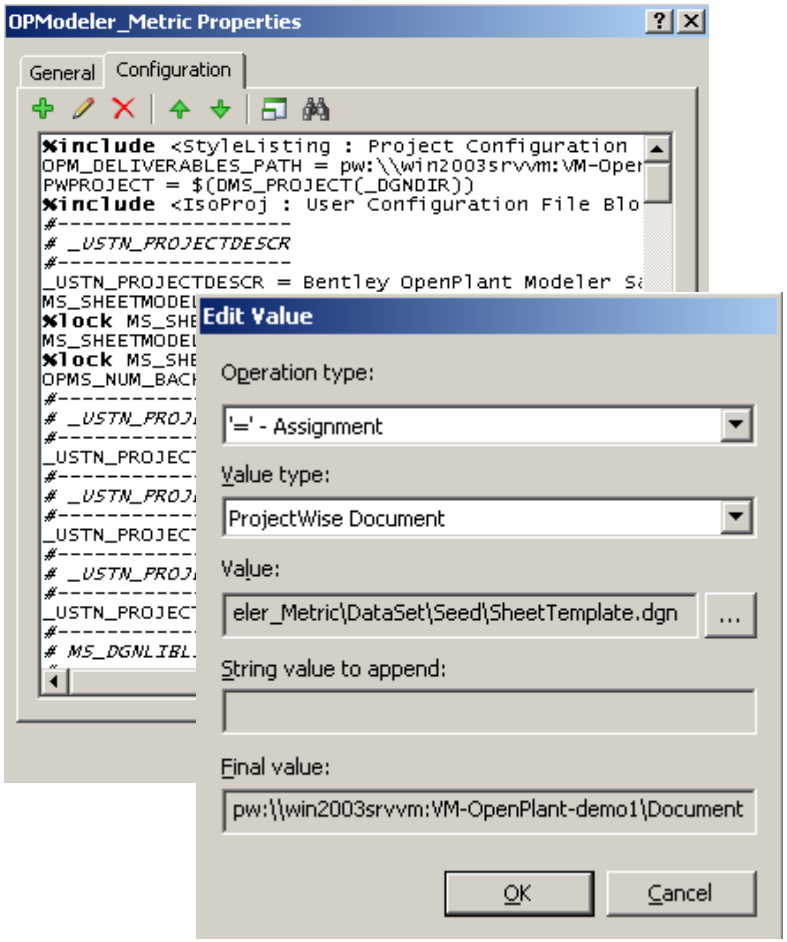
Managed workspaces

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



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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

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How to create managed workspace?

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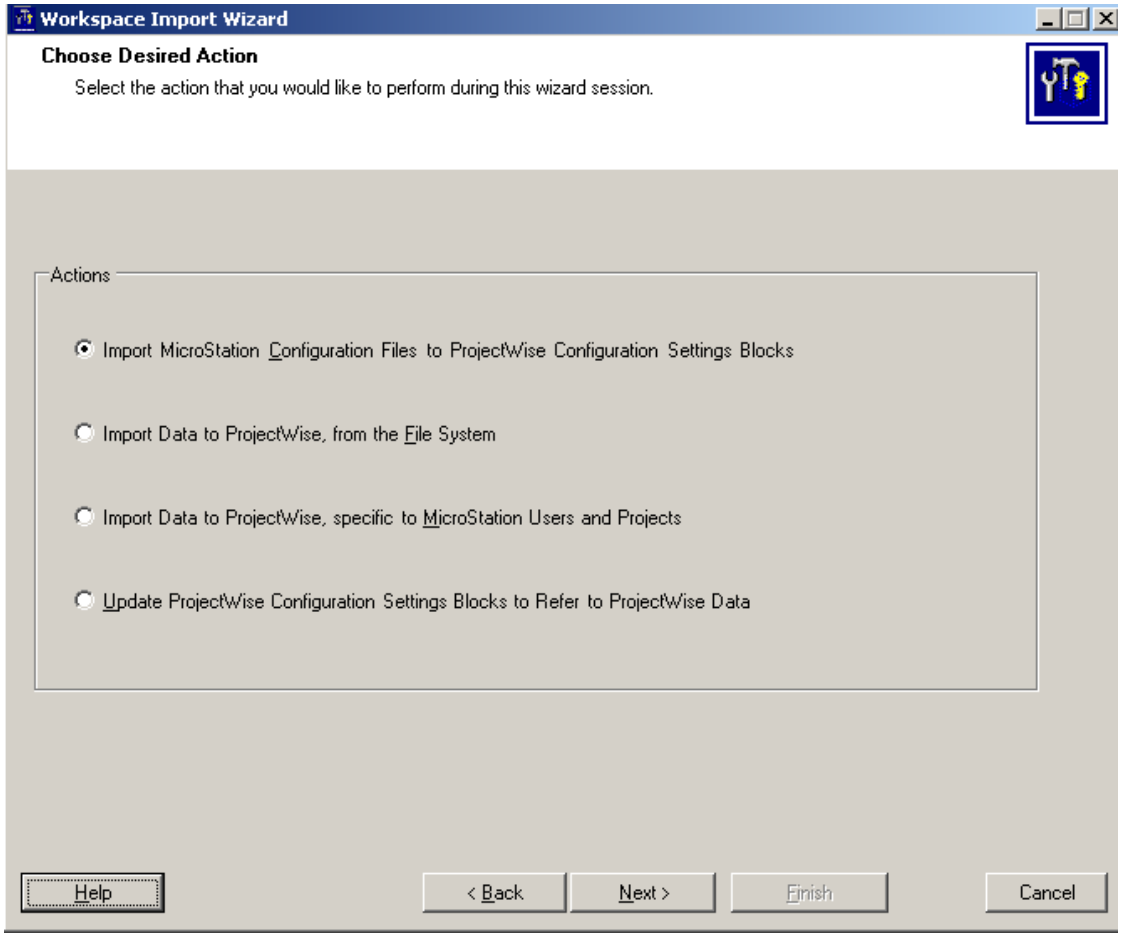
Managed Workspace Import Wizard



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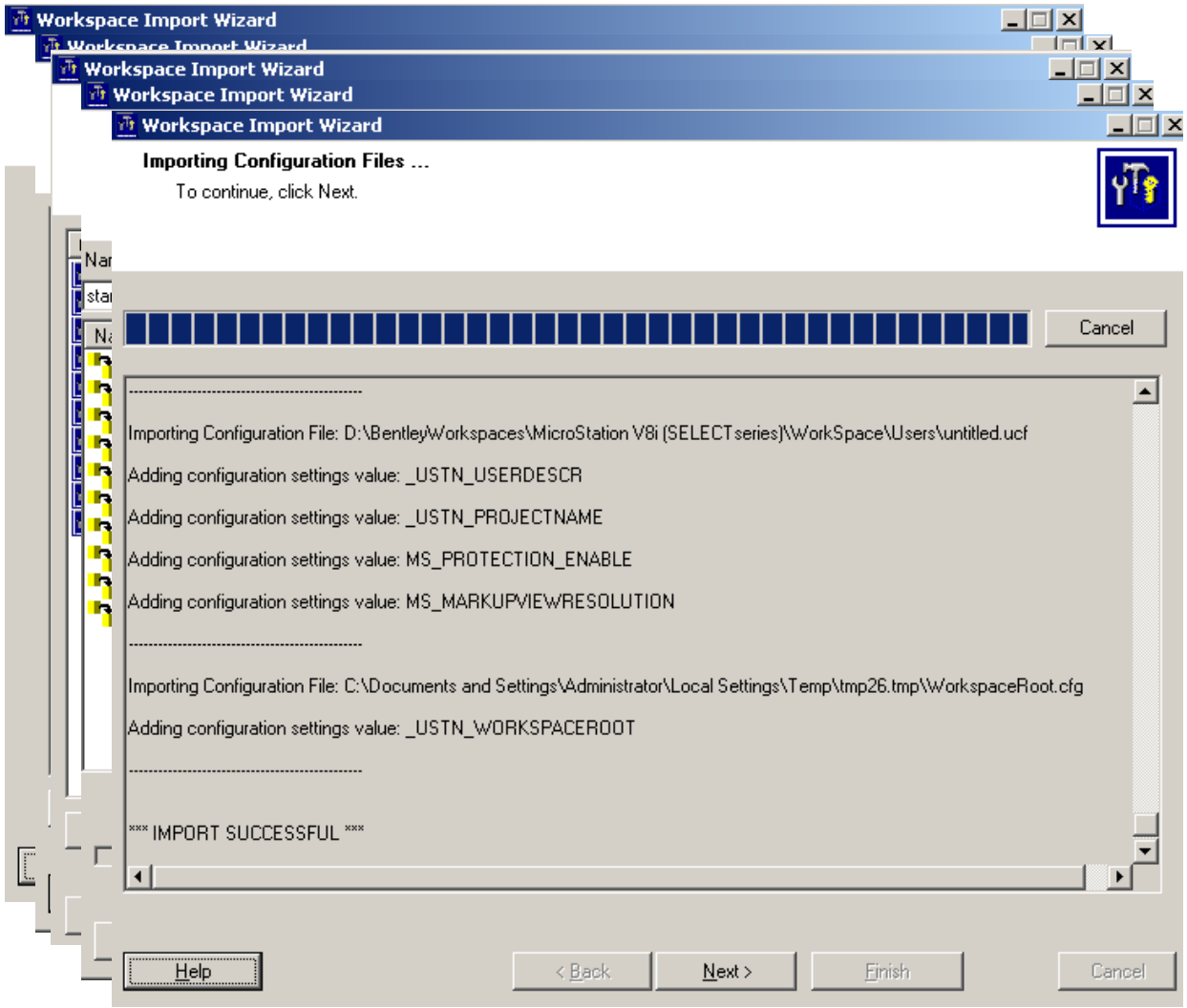
Importing MicroStation configuration files to ProjectWise configuration blocks



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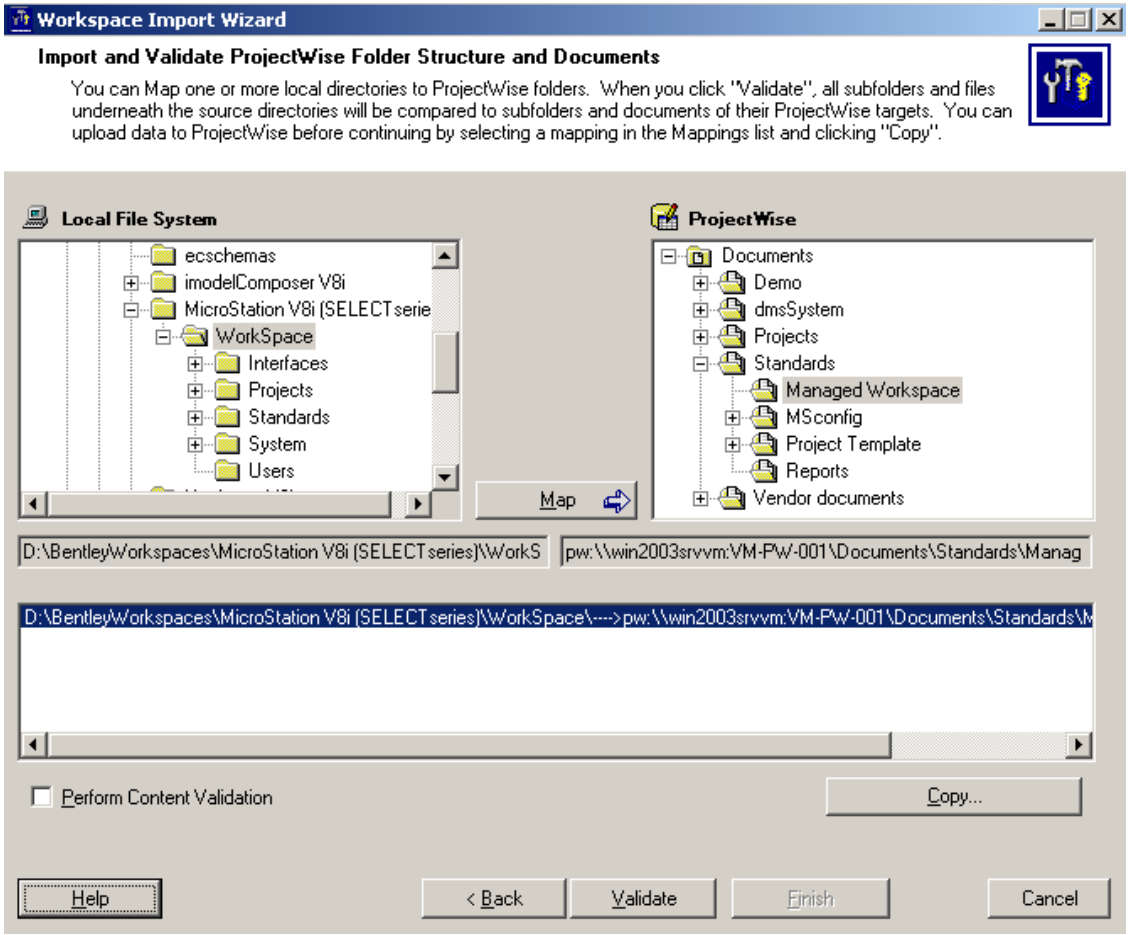
Import data from file system



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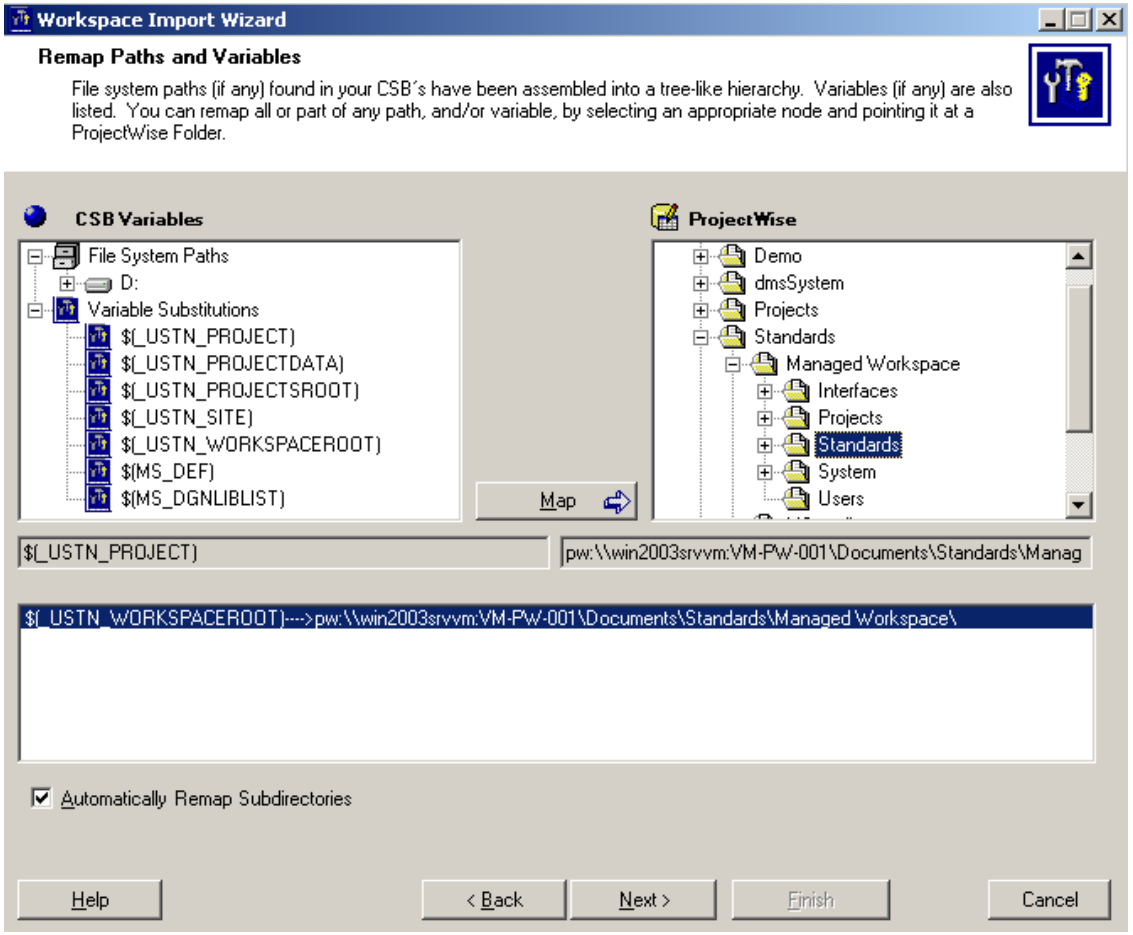
Update CSBs to point to ProjectWise files



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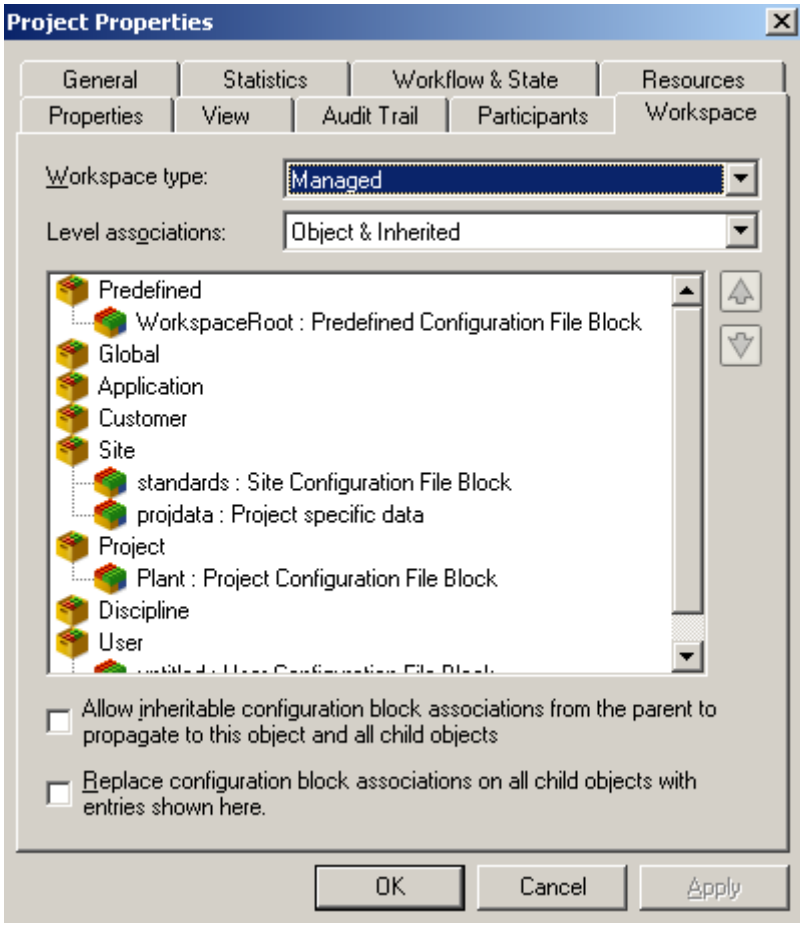
Assign Managed Workspace for folder



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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 *.cfg
- *Customer CSB Level*
- *Site CSB Level*
- Site Configuration files
  - Must be *.CFG
- *Project CSB Level*
- *Discipline CSB Level*
- *User CSB Level*
- *Personal Workspace*

Open File

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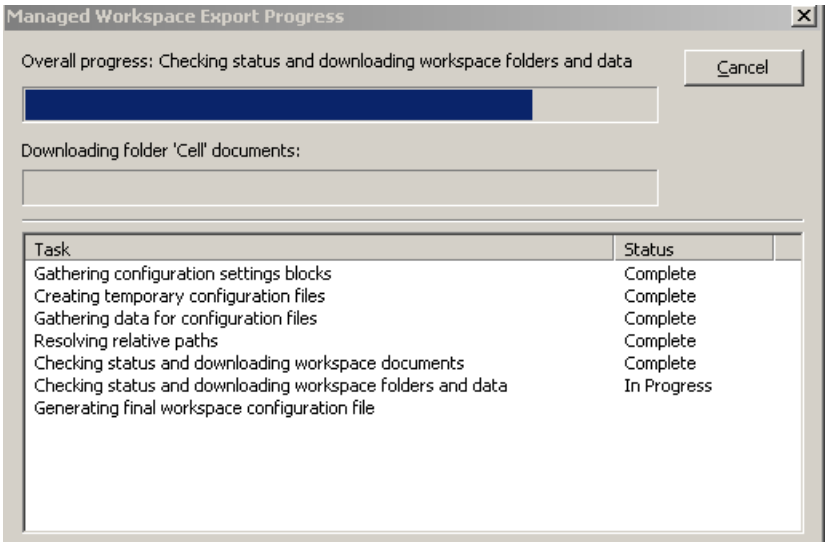
Demo

- Managed workspace setting
- Folder settings
- Using managed workspaces



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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

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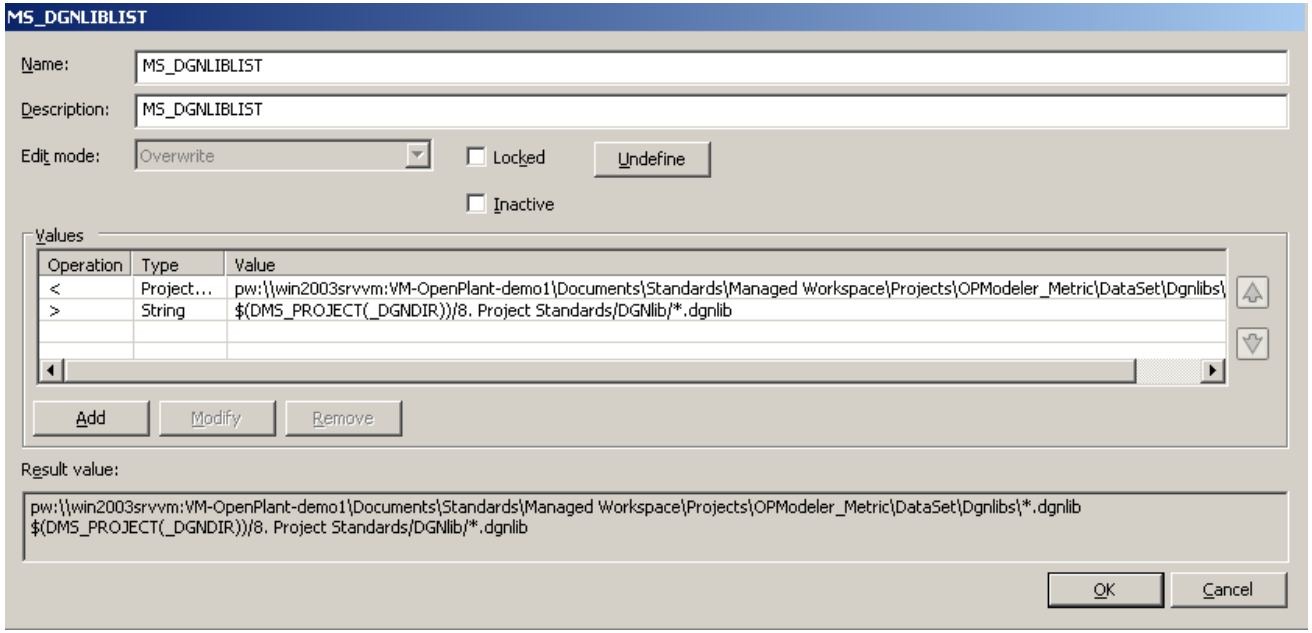
- $(DMS_PROJECT(_DGNDIR))/8. Project Standards/DGNlib/*.dgnlib



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Demo

- Project specific setting
- Project Templates

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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

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Thank You

Questions?

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