ProjectWise Managed Workspaces

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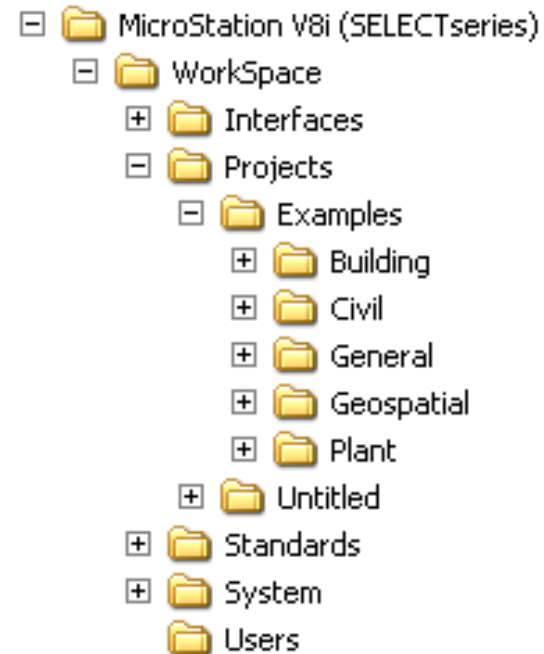
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Presentation overview

- 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

- MicroStation V8i (SELECTseries)
  - WorkSpace
    - Interfaces
    - Projects
      - Examples
        - Building
        - Civil
        - General
        - Geospatial
        - Plant
      - Untitled
    - Standards
    - System
    - Users

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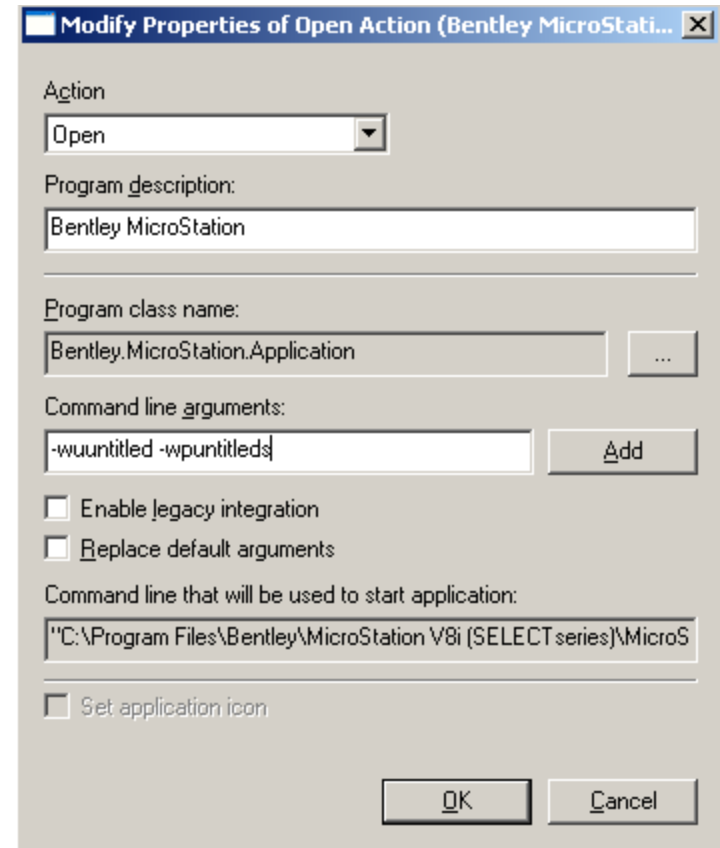# Traditional MicroStation workspaces management

- 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
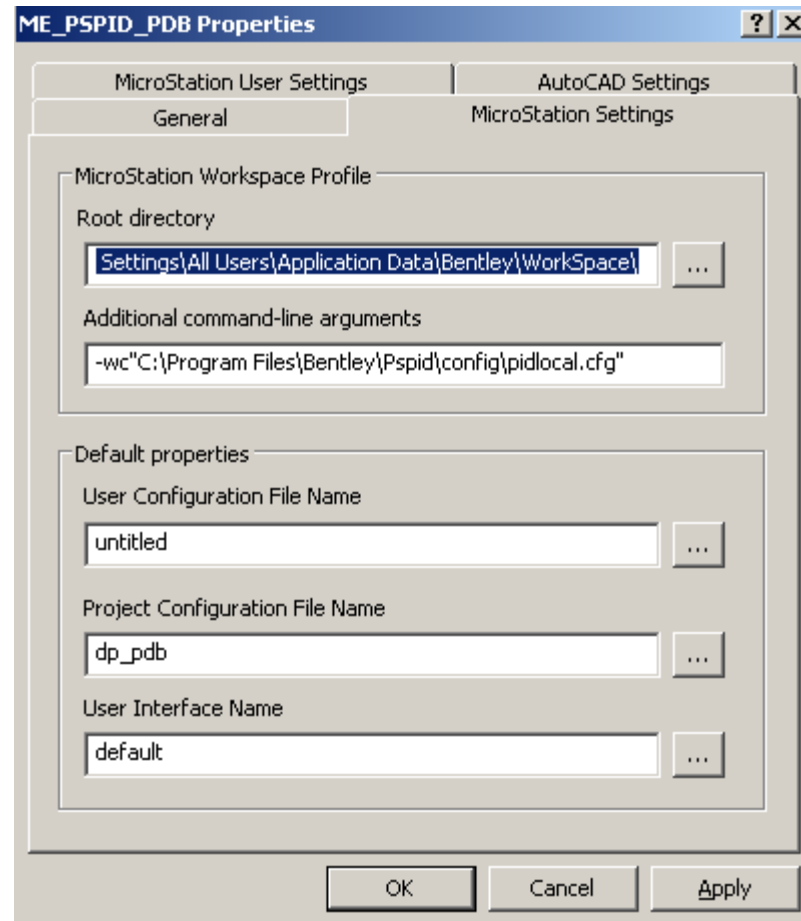
- Workspace profiles

- Managed workspaces

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 arguments:
-wuuntitled -wpuntitleds   Add

☐ Enable legacy integration
☐ Replace default arguments

Command line that will be used to start application:
"C:\Program Files\Bentley\MicroStation V8i (SELECTseries)\MicroS

☐ Set application icon

OK   Cancel

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

Workspace profiles

- Project properties can be used to control which workspace is used in the project

- Project workspace must be available for the user
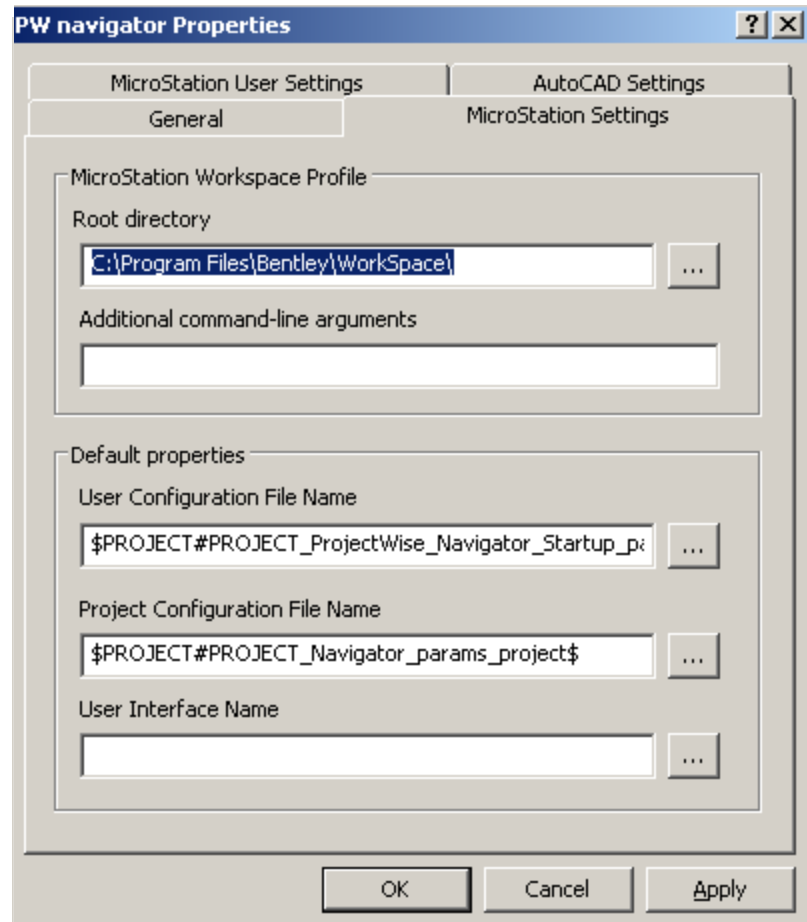
Managed Workspaces Overview

- 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
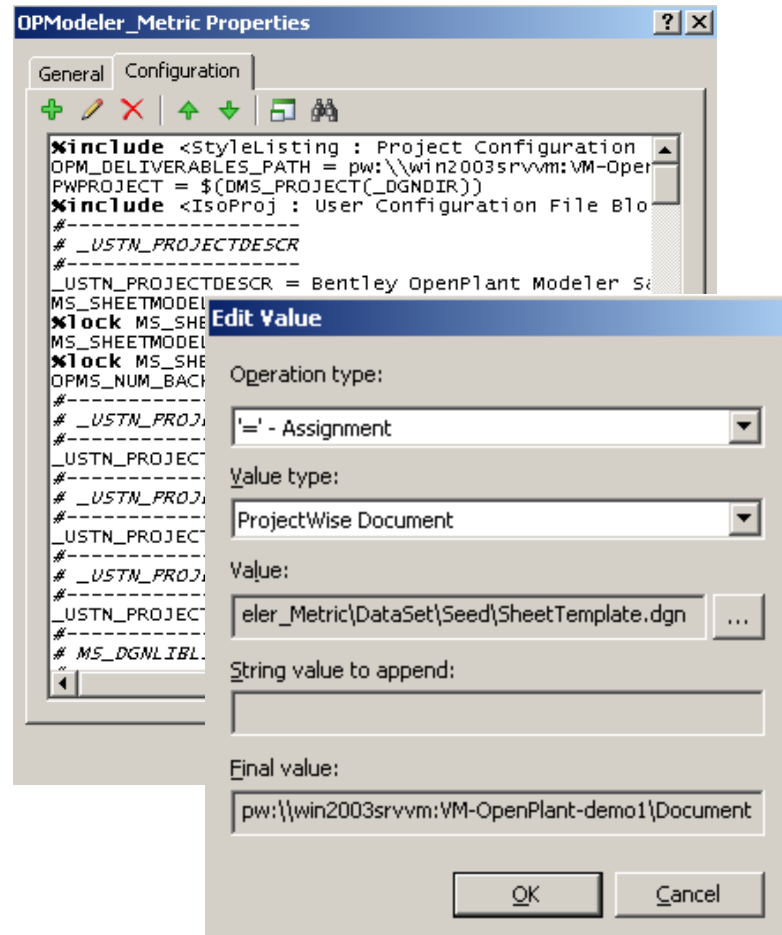
Managed Workspaces Advantages

- Users cannot load the wrong workspace

- Management, search, and control of standards content

- Quick and simple to add distributed users to a project

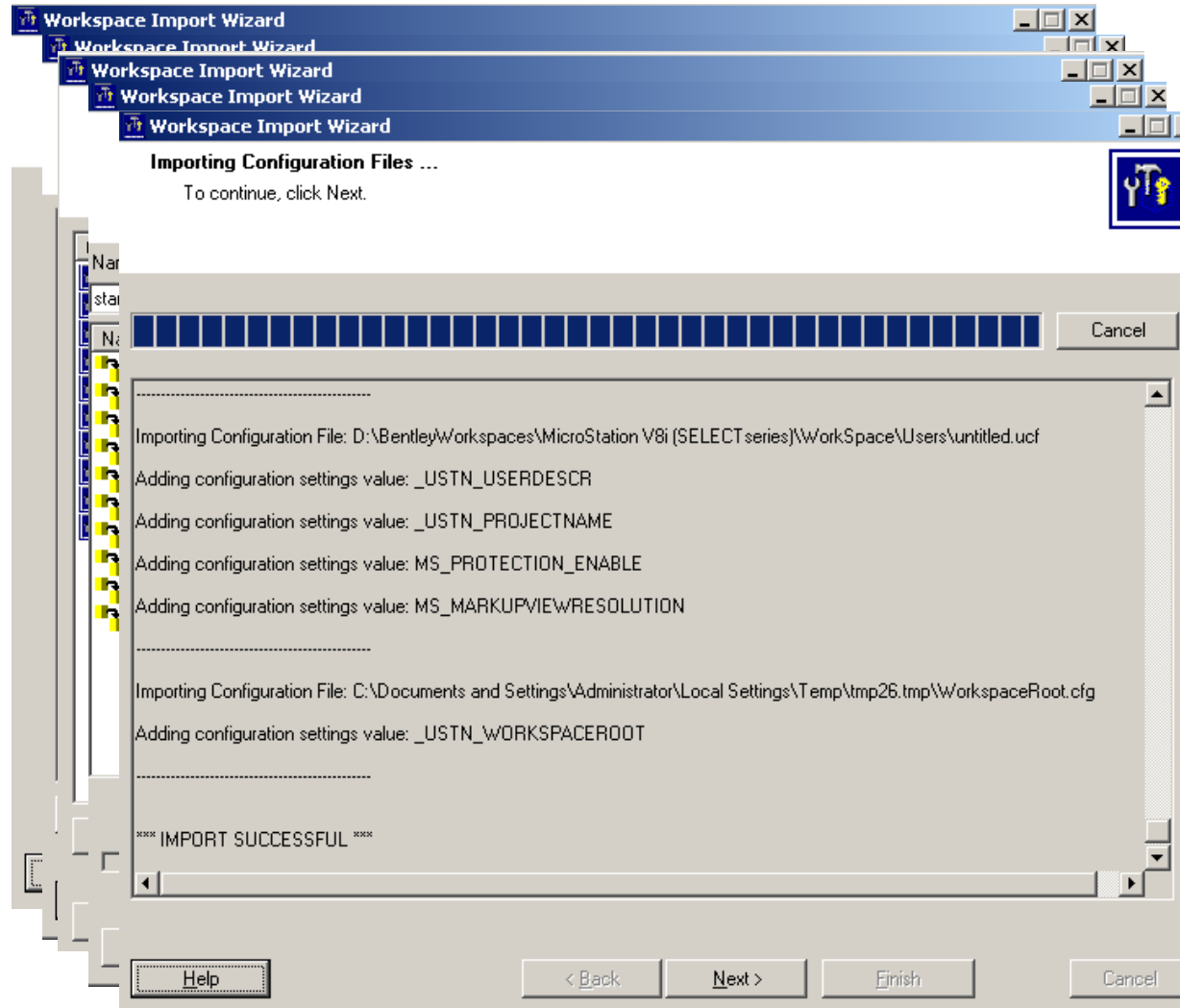- More levels and opportunities to assign and specify configuration

- Configuration CAN be simpler to implement

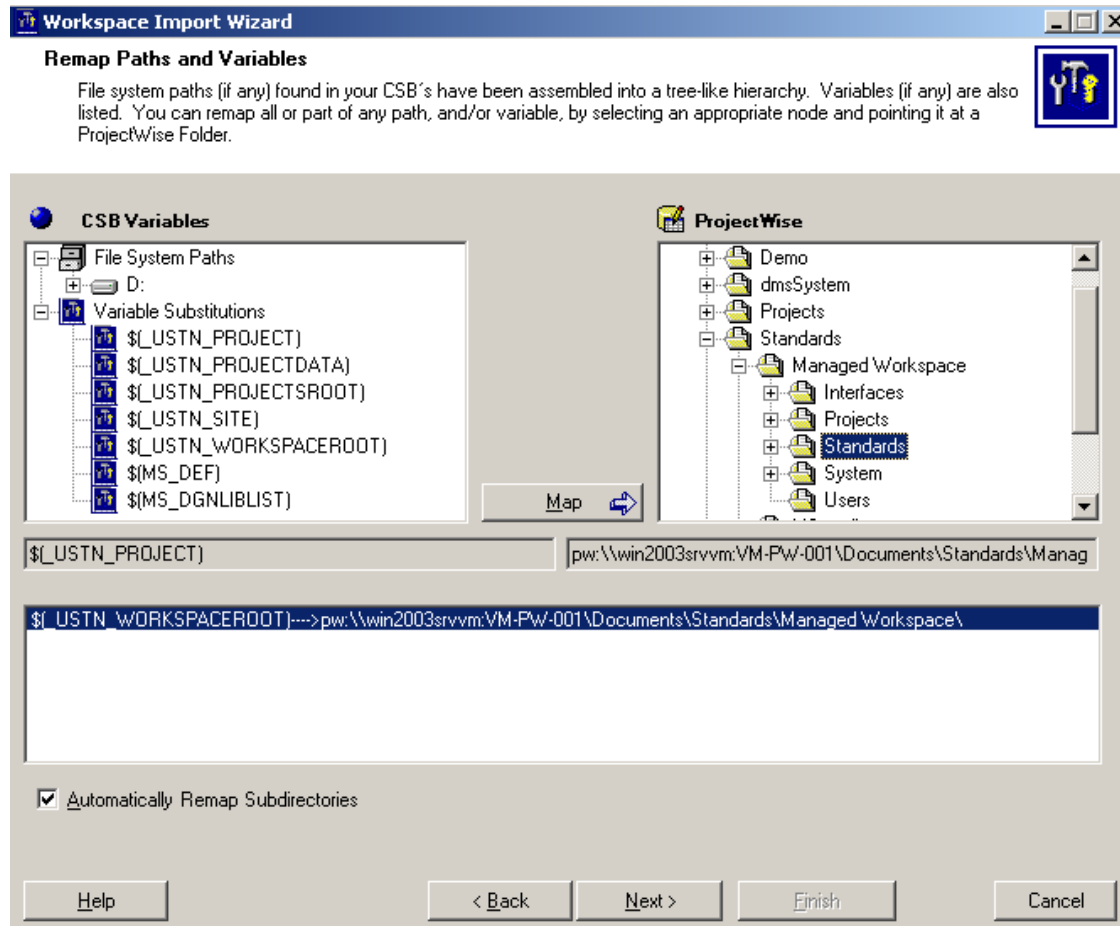# How to create managed workspace?

Managed Workspace Import Wizard
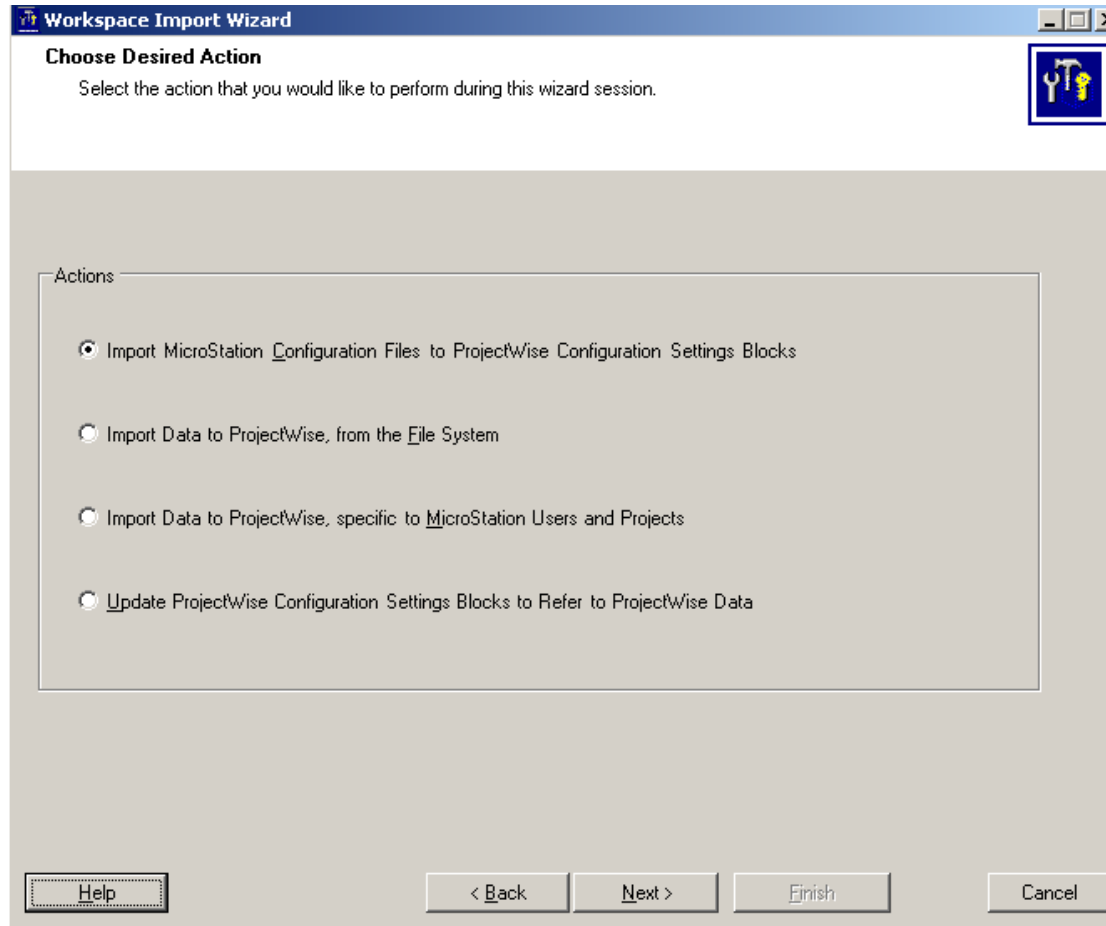
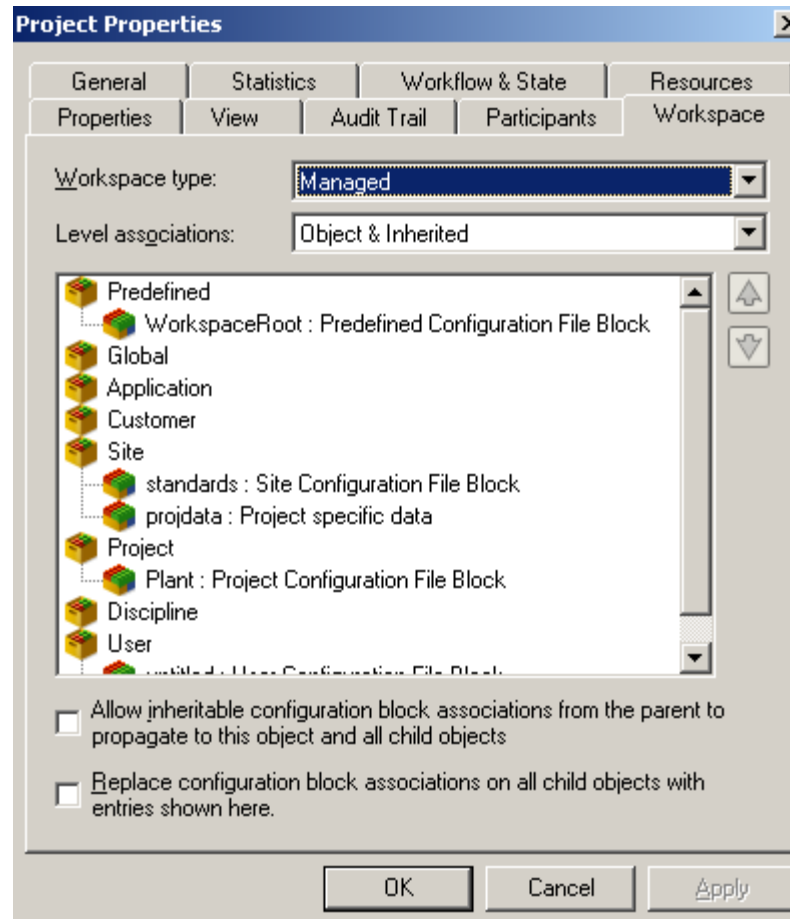# Importing MicroStation configuration files to ProjectWise configuration blocks

Import data from file system
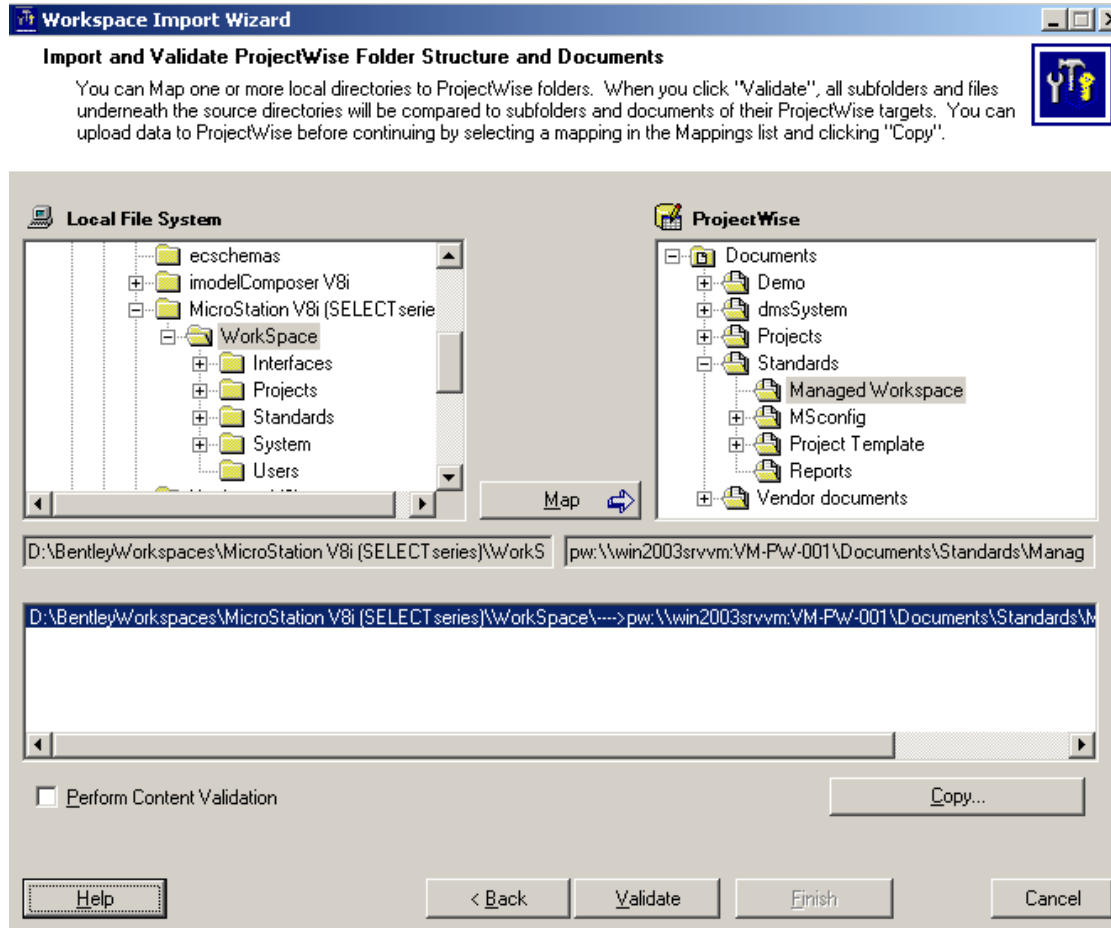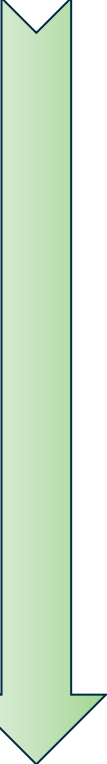
Update CSBs to point to ProjectWise files

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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*
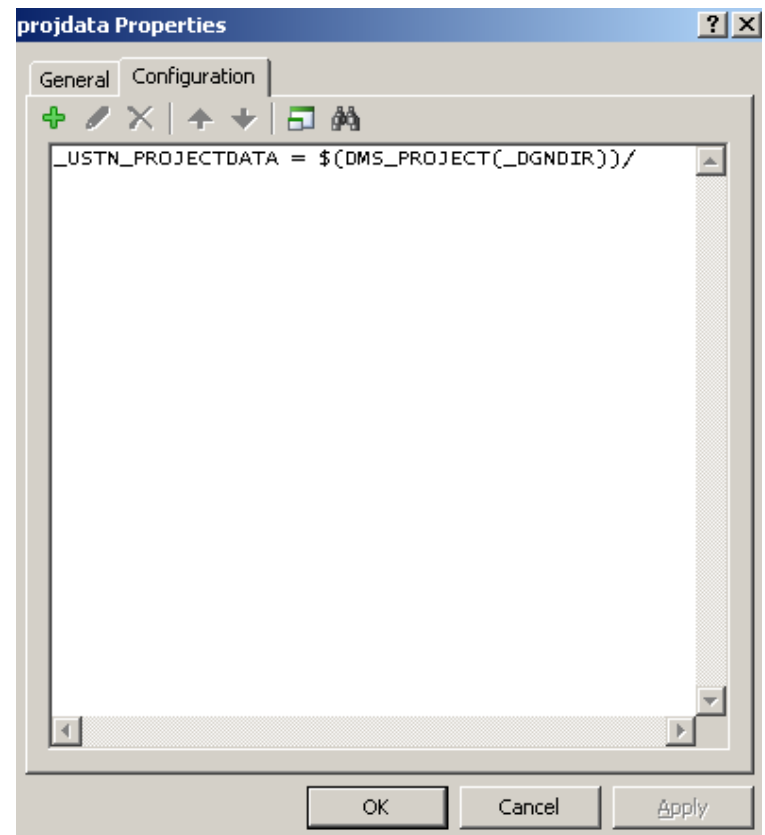- *User CSB Level*
- *Personal Workspace*

Open File

Demo

- Managed workspace setting

- Folder settings

- Using managed workspaces
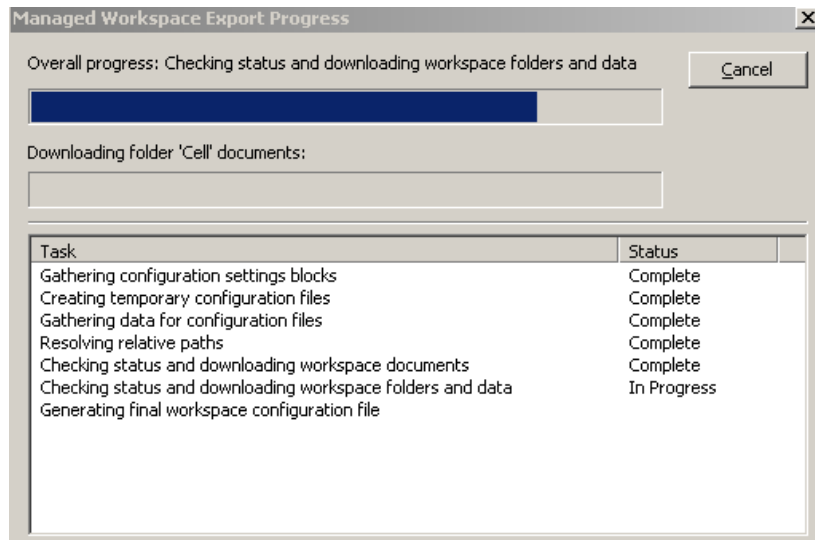
Projects and Managed Workspaces

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

projdata Properties

General | Configuration

_USTN_PROJECTDATA = $(DMS_PROJECT(_DGNDIR))/

OK   Cancel   Apply

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

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

Thank You

Questions?