



**EXPERIENCE** | Transportation

# MicroStation Connect Workspace Overview

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# Agenda

- ▶ Configuration Level Changes
- ▶ Configuration Files
- ▶ New Terminology
- ▶ Example Environment
- ▶ Converting V8 Projects



# Configuration Variable Levels

V8 Config Levels	Connect Config Levels
System	System - 0
Application	Application - 1
Site	Organization - 2
----	Workspace - 3
Project	Workset - 4
---	Role - 5
User	User - 6

[Configuration File Processing](#)

[Configuration Concepts](#)



# PW Configuration Variable Levels

V8 Config Levels	Connect Config Levels
Predefined	Predefined
Global	Global
Application	Application
Customer	Customer
Site	Organization/Site
----	Workspace
Project	Workset/Project
Discipline	Role
User	User



# Workspace Root Variables

- ▷ **\_USTN\_CUSTOM\_CONFIGURATION**
  - Allows you to redirect the main configuration path assigned by **\_USTN\_CONFIGURATION**
- ▷ **\_USTN\_ORGANIZATION**
  - Loads \*.cfg from path defined
- ▷ **\_USTN\_HOMEROOT**
  - Path variable to root user data folder



# Configuration Files

## ▶ Default Install Paths:

- ▷ C:\Program Files\Bentley\MicroStation CONNECT Edition\MicroStation\config
- ▷ C:\ProgramData\Bentley\MicroStation CONNECT Edition\Configuration
  - ConfigurationSetUp.cfg
  - WorkspaceSetup.cfg



# V8i -> V10 Config Vars

- ▶ `_USTN_USERNAME = _USTN_WORKSPACENAME`
  - ▷ (Road, Site, Rail, ...)
- ▶ `_USTN_USERDESCR = _USTN_WORKSPACEDESCR`
  - ▷ (Road Projects, ...)
- ▶ `_USTN_USERCFG = _USTN_WORKSPACECFG`
  - ▷ (...\\Config\User\Road.ucf -> ...Configuration\Workspaces\Road.cfg)
- ▶ **NOTE:** The USER variables are still used in Connect for User default workspace settings.
- ▶ A single UCF file is used to store last used workspace settings located in User Pref's folder (same as default.cfg).



# User Configuration

- ▶ **\_USTN\_USERCFG = Personal.ucf**
  - ▷ Location = Local User App Data path
  - ▷ C:\Users\<<username>>\AppData\Local\Bentley\MicroStation\10.0.0\prefs
  - ▷ This is currently predefined and locked down.
    - I've not been able to change this
    - Question for Bentley
  - ▷ Stores last workspace setting used
    - Similar to the Default.cfg in previous versions





## V8i -> V10 Config Vars

- ▶ `_USTN_PROJECTSROOT = _USTN_WORKSPACESROOT`
- ▶ `_USTN_PROJECT = _USTN_WORKSPACEROOT`
- ▶ `_USTN_PROJECTNAME = _USTN_WORKSETNAME (HQ16-0001)`
- ▶ `_USTN_PROJECTCFG = _USTN_WORKSETCFG`  
(...\Projects\Road\HQ16-0001.pcf ->  
...Configuration\Workspaces\Road\Worksets\HQ16-0001.cfg)
- ▶ `_USTN_PROJECTDESCR = Set by Workset property stored in .dgnws file.`



## ▶ `_USTN_WORKSPACEROOT`

▷ Default path variable used to set Worksets and Standards folders

- `_USTN_WORKSPACESTANDARDS = ($_USTN_WORKSPACEROOT)Standards/`
- `_USTN_WORKSETSROOT = ($_USTN_WORKSPACEROOT)WorkSets/`



# Workset Dgn & Configuration Files

- ▶ Each Workset contains the following
  - ▷ Workset Configuration File
    - <<worksetname>>.cfg
  - ▷ DGN Workset File
    - <<worksetname>>.dgnws
    - Contains Workset properties, custom properties, sheet index and link sets

[Help Information](#)



# Workset Branded to Files

- ▶ DGN's are branded with a Workset
  - ▷ Allows users to open files directly from Windows Explorer
  - ▷ Warns users if File doesn't match current Workspace settings
    - Prompts to change workspace to match file
  - ▷ Related Key-in's
    - file associateworkset
    - file disassociateworkset



# Role Configuration File

- ▶ **\_USTN\_ROLECFG**
  - ▷ Loads \*.cfg from path assigned
  - ▷ Not defined by default
  - ▷ Can be set as Environment Variable or user-modifiable configuration file.



# V8i Custom Interfaces

- ▶ Custom V8i Pulldown Menus are not supported
- ▶ Custom V8i Tasks can be used as part of the Ribbon Workflow -> Task Navigation
  - ▷ V8i Task interface is not supported “Officially”
    - “Secret” configuration variable to activate options
    - MS\_TASKNAVIGATION\_CONFIGURATION = I
    - V8i Tasks are Read-only
    - User Preference Setting
      - Activates Task Navigation options



# Converting V8i Workspaces

## ▶ Configuration Migration Wizard

- ▷ Ribbon: File > Settings > Configuration > Configuration Migration



# Questions?

▶ Open topics

