

I Like Managed Workspaces



Managed Workspaces

- Configuration variables no longer kept in text files, stored in ProjectWise database instead
- File/directory paths can point to files/directories in ProjectWise
- Configuration is dynamically created on local machine prior to launching MicroStation
 - MicroStation Only. No AutoCAD
 - ProjectWise Files copied locally
 - Only changed files, v8i DFT still applies
 - Point to individual files, and avoid “dumping ground” folders



Managed Workspaces

- Mstn Workspace
 - System
 - Application
 - Site
 - Project
 - User
- Managed Workspace
 - System
 - **Global**
 - Application
 - **Customer**
 - Site
 - Project
 - **Discipline**
 - User



Managed Workspaces

- Does not replace configuration already on machine. A managed configuration will be “merged” with the configuration on the local machine.

```

%if defined(PW_MANAGEDWORKSPACEENABLED)
    SITE_CFG=SITE_Managed.txt
%else
    SITE_CFG=SITE.txt
%endif
#include $(SITE_CFG)
  
```



Initial Work

- Decide what will be managed, what won't be managed
 - Remember to consider External Users!
 - We decided to manage all configuration except:
 - user configurations
 - Licensed add-ons (Transoft Solutions products for example)
- SIMPLIFY!
 - Importing your configuration "as-is" probably won't work
 - Complex if/then/else structures hard to maintain
 - Place configuration variables in a stand-alone text file and import



Importing a Configuration

- Import config files specifically written for your managed workspace
- Use a single undefined variable to define root "directory" of all paths
- Upload files/directories that variables will point to first



Bugs & Gotchas

- If a variable is defined at the global level, and is used in a cfg file in the APPL directory, the global setting is removed. Even if APPL cfg file uses a >
 - global level:
 - MS_MDLAPPS > PW://...
 - APPL directory:
 - MS_MDLAPPS > c:\program files\...
 - Workarounds:
 - Don't use global level, use site level
 - Define your own variables at global level, apply to usfn variable at site level:
 - Global: MY_MDLAPPS > PW:...
 - Site: MS_MDLAPPS > \$(MY_MDLAPPS)



Bugs & Gotchas

- %if structures are not imported into workspace blocks.
 - ProjectWise importer hands config file to MicroStation for processing. Only the results of that processing is handed back to importer.
 - %if defined(_VERSION80)
- If both a managed and a unmanaged workspace are defined, managed workspace not used.
- Iplot was checking workspace every file (fixed?)
- Slash at the end of directory names
 - User / or \\, do not use a single \



Tips

- Maintain the master version of the managed workspace variables in separate text file.
 - Useful with lots of datasources, easier to import bulk changes than type them over and over.
- Put if/then configurations in a separate config block.
 - Removed on import so don't keep them in the same master file as other variables
- If you have proprietary configuration items (in-house MDL apps or vba) use security to prevent external users from copying



Tips

- Use `$(DMS_PROJECT(_DGNDIR))` to file Project specific configuration files/directories
 - Don't need a Project Configuration for every project. One Project config block for all projects
 - `IP_SETTINGS_PATH=$(DMS_PROJECT(_DGNDIR))CAD DLib\Iplot/`

