

SPI DEPLOYMENT OPTIONS

Erik Diers

WorleyParsons

Multiple Installation Options:

- 1. Manual installation per computer/user
- 2. Citrix (thin client)
- 3. Terminal Server (thin client)
- 4. Distributable computer image
- 5. Installation package

Configuration Time Per User

- 1. Manual Install – 45 to 60 minutes
- 2. Citrix – 5 minutes
- 3. Terminal Server – 5 minutes
- 4. Image – 30 minutes
- 5. Package – 20 minutes

Upgrade Requirements Per User

- 1. Manual Install – patch required per user
- 2. Citrix – no change to client
- 3. Terminal Server – no change to client
- 4. Image – rebuild image, deploy patch to users
- 5. Package – add patch, deploy patch to users

Multi-version Suitability

- 1. Manual Install – complex load list per version
- 2. Citrix – individual server per version
- 3. Terminal Server – individual server per version
- 4. Image – multiple image management
- 5. Package – one package per version

SPI Interface to CAD Applications

- 1. Manual Install – directly loaded and licensed per computer
- 2. Citrix – no install per user/indirect licensing
- 3. Terminal Server – no install per user/indirect licensing
- 4. Image – directly loaded and licensed per computer
- 5. Package – directly loaded and licensed per computer

Remote WAN/Internet Client

- 1. Manual Install – insufficient
- 2. Citrix – requires network bandwidth and business class latency
- 3. Terminal Server – requires network bandwidth and business class latency
- 4. Image – insufficient
- 5. Package – insufficient

Who executes SPI installations?

Execution List:

Minimum Installation

- Oracle or MSSQL Client
- SPLM (matched to license server)
- SPLM configured to license server
- SPI Install
- SPI Patch Install
- Enhanced Report Utility (matched to SPI version)

Supplemental Installation

- SmartPlant Schema Component (TEF enabled project)
- SmartPlant Client (TEF enabled project) and .NET configuration
- Help Documentation
- External Editor (matched to SPI version)
- Process Data Editor (matched to SPI version)
- SmartSketch (matched to SPI version)

Additional Functions During Installation

- Affiliate user to correct active directory group
- Grant folder permissions
- Configure registry settings (Oracle NLS Lang)
- Copy down configuration files (intools.ini, tnsnames.ora, etc.)
- Remove auxiliary applications (internal setup, main, etc.)
- Customize Shortcuts
- Load user preferences per project
- Store tracking data: user name, computer name, version, install date, etc.

References

- **SPLMInstall_UserGuide.pdf**
“Silent Mode and SmartPlant License Manager Installation”, p27
- **SPI Installation Guide.pdf**
“Installing SmartPlant Instrumentation in Silent Mode”, p57

Examples

Silent_Installation_External_Editor.bat

- REM CREATE THE RECORDING:
 - REM \\<network location>\setup.exe -r -fi\\<network location>\setup.iss
- REM STRING USED TO EXECUTE THE RECORDING ON USER COMPUTERS:
 - REM start /wait \\<network location>\setup.exe -s -fi\\<network location>\setup.iss

SPLM.bat

- REM STRING TO EXECUTE INSTALLATION:
 - start /wait msixexec.exe /i \\<NETWORK PATH>\SPLM.msi SLAACCEPT=Yes SPLMSETUPTYPE=Client /qb
- REM STRING USED TO CONFIGURE PC TO LICENSE SERVER:
 - start pdlice -j 192.168.5.99
- REM MOVE SHORTCUT:
 - copy "C:\Documents and Settings\All Users\Start Menu\Programs\Intergraph SmartPlant License Manager\SmartPlant License Manager.lnk" "C:\Documents and Settings\All Users\Start Menu\Programs\Intergraph SmartPlant Instrumentation\"
- REM DELETE SHORTCUT:
 - del "C:\Documents and Settings\All Users\Start Menu\Programs\Intergraph SmartPlant License Manager\SmartPlant License Manager.lnk"
- REM REMOVE SHORTCUT DIRECTORY:
 - rmdir "C:\Documents and Settings\All Users\Start Menu\Programs\Intergraph SmartPlant License Manager"