

Advanced Training in Simulation, Process, Data, and Resources Manager (SPDRM)

Training	Advanced SPDRM Training
Duration	2 days (16 hours)
Level	Advanced
Who should attend	CAE Engineers (Modelers / Analysts) who develop workflows and custom (script) actions.
Training description and objectives	<p>This advanced course introduces the SPDRM scripting API and covers in depth Process design and orchestration.</p> <p>Upon course completion, participants will be able to use the key functionality of SPDRM to create, customize, and manage script actions and process workflows.</p>
Prerequisites	<p>Participants should have already participated in the Basic training of SPDRM.</p> <p>Additionally, an engineering background and good knowledge of Python scripting is required.</p> <p>Prior knowledge of ANSA data management, task management and ANSA/META Python scripting API will help the participant grasp the concepts faster.</p>
Language	<p>English</p> <p><i>*ask for more languages</i></p>

Course content is subject to change without notice.

Course content and duration may be adjusted to audience requirements or background.



Suggested topics
Day 1
<ul style="list-style-type: none">- Introduction to the SPDRM scripting API- Data Management in SPDRM<ul style="list-style-type: none">- Custom Actions on Data (Script Actions and Validation)- Process Design in SPDRM<ul style="list-style-type: none">- Basic Actions during Process Design- Create and Connect Nodes- Add/edit Input Slots- Input Slot Definition- Add/edit Output Slots- Output Slot Definition- Application Nodes: Set up the Application Settings- Node Privileges Definition- Estimated Duration - Schedule Execution- Assign Tasks to No-GUI Client- Create and Handle Sub-Processes- Save Workflow
Day 2
<ul style="list-style-type: none">- Process Design in SPDRM<ul style="list-style-type: none">- Manage Variables- Parameterization of Process using Variables- Additional Capabilities- MxN Nodes- Defining Scripts on Nodes- Node Script Debugging in Eclipse- Instantiation of Process via Script- Set up Notification Sending- Compare Workflows