SmartPlant Foundation (SPF) Admin Training

COURSE CONTENT

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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

SmartPlant Foundation (SPF) Admin Training by Multisoft Systems is designed to equip professionals with the technical and administrative expertise required to manage, configure, and maintain SmartPlant Foundation environments efficiently. This course focuses on the core administrative responsibilities involved in handling engineering information across the asset lifecycle in EPC, oil & gas, power, and process industries.

Module 1: Introduction to SmartPlant Foundation Administration

- ✓ SPF administration roles and responsibilities
- ✓ Difference between SPF User and SPF Admin
- ✓ Overview of SPF system architecture
- ✓ Admin tools and consoles
- ✓ Project lifecycle and admin involvement

Module 2: SPF Installation & Environment Overview

- ✓ SPF environment components (App Server, Database, Web)
- ✓ Database overview and connections
- ✓ Understanding environments (DEV / TEST / PROD)
- ✓ SPF services and background processes
- ✓ System health and performance overview

Module 3: Data Model & Schema Management

- ✓ SPF data model concepts
- ✓ Object types, classes, and attributes
- ✓ Configuring properties and relationships
- ✓ Class hierarchy and inheritance
- ✓ Best practices for data model design

Module 4: User Management & Security Administration

- ✓ Creating and managing users
- ✓ Roles, permissions, and access control
- ✓ Project and workspace security
- ✓ Data ownership and visibility rules
- ✓ Audit and compliance considerations

Module 5: Document Management Configuration

- ✓ Document classes and templates
- ✓ Numbering rules and naming conventions
- ✓ Versioning and revision configuration
- ✓ File storage and vault management
- ✓ Document lifecycle customization

Module 6: Workflow Configuration & Automation

- ✓ Workflow concepts and components
- ✓ Creating and modifying workflows
- ✓ Review, approval, and change workflows
- ✓ Notifications and escalation rules
- ✓ Workflow troubleshooting

Module 7: Status Management & Lifecycle Configuration

- ✓ Status schemes and transitions
- ✓ Object and document lifecycle rules
- ✓ Approval matrices and gate checks
- ✓ Managing superseded and obsolete data
- ✓ Change control governance

Module 8: Relationship & Reference Management

- ✓ Defining relationship rules
- ✓ Parent-child and cross-discipline links
- ✓ Impact analysis configuration
- ✓ Maintaining data integrity
- ✓ Relationship troubleshooting

Module 9: Reporting, Queries & Admin-Level Data Access

- ✓ Configuring standard reports
- ✓ Creating advanced queries
- ✓ Data extraction and audits
- ✓ Performance tuning for large datasets
- ✓ Supporting project reviews

Module 10: Integration Configuration & Management

- ✓ Overview of SPF integrations
- ✓ Integration with SPPID, SPI, SPEL, SP3D
- ✓ Data synchronization concepts
- ✓ Managing federated data
- ✓ Troubleshooting integration issues

Module 11: Migration, Bulk Load & Data Maintenance

- ✓ Data migration strategies
- ✓ Bulk loading tools and processes
- ✓ Data validation and cleansing
- ✓ Handling legacy data
- ✓ Ongoing data maintenance tasks

Module 12: System Monitoring, Backup & Performance

- ✓ Monitoring system performance
- ✓ Backup and restore strategies
- ✓ Managing logs and errors
- ✓ Capacity planning
- ✓ System optimization best practices

Module 13: Troubleshooting & Support Operations

- ✓ Common SPF admin issues
- ✓ Error handling and diagnostics
- ✓ User issue resolution
- ✓ Coordination with IT and Hexagon support
- ✓ Admin best practices checklist