TECHNICAL TRAINING PROGRAM

Meter Data Management Technical Certification

Virtual training modeled after just-in-time delivery methods, agile implementation standards and led by Gridscale X™ Meter Data Management experts.

SIEMENS

Contents

Meter Data Management Technical Certification

The MDM Technical Certification Program is a hybrid training course and includes on-line instructor-led and self-paced learning. Students will attend eight, three-hour virtual instructor-led sessions that meet twice a week. Students also complete hands-on assignments in a supplied MDM instance. At the end of the course, students will take the knowledge and hands-on certification exam that enables them to implement MDM.

Audience

Meter Data Management Systems Implementers or Solution Engineers

Prerequisites

Students will need to have and demonstrate prerequisite skills and knowledge including:

1. Unix / Linux
2. SQL / Oracle skills
3. Discipline and time to complete extensive self-study assignments
4. Meter Data Management experience and/or Utility industry experience

Learning Objectives

At the end of this course students should be able to:

- Follow specification documents
- Configure Meter Data Management
- Test configurations using the UI and system log files
- Incorporate best practices
- Close out the project

Versions

There are two versions of MDM Technical Certification with similar lectures, hands-on labs, and exams:

1. **Technical Certification for Gridscale X Meter Data Management** – based on the current shipping product.
2. **Technical Certification for EnergyIP 9.0** – based on the most recent service pack.
   - Students need to specify the version of Certification they wish to attend.

Virtual Instructor-led Sessions

Program Overview

The core of the program is "virtual" instructor-led training sessions or "vILT". These sessions are secure web-based meetings run by MDM Certified Instructors utilizing screen sharing and VOIP for two-way audio & video between the instructor and class.

The vILT sessions are delivered by our cloud-based service which also provides the following capabilities during the class:

- Presentations
- Demonstrations on a cloud instance
- Scenario based specifications
- Concepts, procedures & processes for implementation
- Best practices
- Student discussion forum
- All sessions are recorded for review

Certification

Throughout the course, implementers will work within a real-world context: they pick up where the System Architect's workshops leave off, implement the system according to the requirements, and then deliver the system for an acceptance test. The course mirrors the real-world of work by providing sample requirements documents, spreadsheets and ample practice configuring the system according to the requirements.

The course culminates with a hands-on certification assessment of a configured system. To become certified, MDM implementer students must pass the course with at least a 75% total score. The score is determined as follows:

10%	Periodic Quizzes
10%	Instructor Assessment
30%	Knowledge Exam
50%	Hands-On Exam

Course Materials

The course material is divided into multiple folders and includes instructor-led schedules, tech-talks, web-based training, pdf documents, graphics, video demonstrations and webinars. These materials are hosted in the Siemens Learning Cloud, an online platform that contains topical collections on Siemens' MDM product and technical content including:

- Installation and configuration considerations
- Lab access and exercises
- Scenario based specifications
- Concepts, procedures & processes for implementation
- Product demos
- Best practices
- Articles from industry experts
- Discussion forum
- Self-study assignments

Session Schedule

Each week during the certification course you will focus on various aspects of the installation and configuration tasks needed to complete your implementation project. Each session will run between 2 and 4 hours depending on complexity. The topics for each week are listed below:

Week 0

- Full access to the Siemens Learning Cloud all course materials and quizzes
- Optional introductory "Session 0"

Week 1

- Introduction and Synchronization
- Data Collection, FlexSync and Meter Reads, New & Classic UI

Week 2

- Meter Reads
- Validation, Framing
- Data and Reference Utility and Troubleshooting

Week 3

- Data Delivery, Billing
- Reference Data
- Event and Data Management (EDAM)
- Configuration Management

Week 4

- Activity Gateway, Provisioning, Business Monitoring
- Reports and Installation
- In class Knowledge Exam, "take home" Hands-On Exam

Self-Study Assignments

Each week during the certification course you will be required to complete both pre-work and post session work for each of the eight sessions. You will need to spend 8 hours or more on the self-study assignments each week.

When the sessions conclude you will take two certification exams. The first exam will be a written exam and the second exam will be a hands-on exam.

"The virtual training has allowed me to stay put and work on projects as I learn."

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The Course Schedule

Classes start every other month, click here to download the latest Training Class Schedule.

Contact the EnergyIP Training Team

Contact us if you have any questions regarding the certification program.
Email us at Gridscale-X-MDM-Training.si@siemens.com
Visit us on the web at siemens.com/gridscale-x-mdm-training

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