



WebNMS

# Education Program

Igniting minds

Network Management Systems

Remote Operations Management



Element Management Systems

## Course Overview

A 4-day hands-on oriented intensive course that includes sessions on building management applications using the WebNMS Framework. All aspects of Network management, including FCPS functions, Discovery, Provisioning, Mapping, Northbound interfaces to OSS systems, installation and deployment are covered.

## Benefits

- Learn to fully utilize the capabilities of the WebNMS Framework to build an EMS or NMS.
- Understand the WebNMS Framework architecture.
- Understand the technologies used in WebNMS Framework.
- Get hands-on experience on building an EMS application.
- Discuss your requirements with our experts vis-à-vis product usage and deployment
- Recognize the design considerations to be made in order to build a fully scalable and extensible EMS/NMS application.

## Intended Audience

- Network Management Architects
- Network Management Application Developers

## Prerequisite

- Network Management basics
- Java and XML

## Course Contents

- Introduction to WebNMS Framework
  - Product Overview
  - Technologies

- Architecture of the WebNMS Framework
  - ❑ N-tier: Front-End / Back-End
  - ❑ Scalability Model
  
- WebNMS Framework Services
  - ❑ Logging Service
  - ❑ Scheduling Service
  - ❑ Transaction Service
  - ❑ Persistence Service
  - ❑ Backup Service
  - ❑ Module Service
  - ❑ Communication Service
  
- WebNMS Framework Modules
  - ❑ Discovery And Topology
  - ❑ Maps
  - ❑ Fault Management
  - ❑ Performance Management
  - ❑ Configuration Management
  - ❑ Provisioning
  - ❑ Security Management
  
- WebNMS Framework Customization features
  - ❑ Conf files / rules
  - ❑ Java Plugins (Filters, Observers etc.)
  - ❑ APIs
  - ❑ Re-branding
  
- Northbound interfaces
  - ❑ Web NMS MIB
  - ❑ Web NMS Agent
  - ❑ CORBA & RMI Interfaces

- Developer tools
    - Web NMS Studio
    - Wizards for building Client Applications
      - Chasssis Wizard
      - Configuration Wizard
  
  - Hands-on sessions
    - Web NMS Product build introduction
    - Review of Web NMS directory structure
    - Build a DSLAM Switch Management Application - eBON
      - Managed Object design & relationships (parent-child)
      - Discovery
      - Topology Maps
      - Fault Management: Event Handling, Event Co-relation, Alarm Propagation
      - Performance Management: Data collection, Reporting
      - Security Management: User Administration, Group based Access
      - Rebranding
      - Packaging And Deploying The Application
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Note :-

- WebNMS Framework training is meant for those who are interested in EMS / NMS development using WebNMS Framework. This training covers the important aspects of Web NMS and includes hands-on exercises on how to build an EMS overWeb NMS using the WebNMS Framework Studio. This training would suffice for EMS / NMS development.
- During the Hands-on session the participant will be encouraged to build an EMS for a **DSLAM** switch. The protocol used for managing the device would be **SNMP**.

## How To Enroll

Register through our secure Web site anytime, anywhere: <http://www.webnms.com>

## Instructors

WebNMS's training program aims to live by our "Excellence Matters" motto. Our training instructors and guest speakers are people who have vast experience in the area of network management.



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