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RedMAX Product Support Certification Program

Redline Certified Support Professional (RCSP) – RedMAX Management Suite (RMS)

Course name:

RedMAX Management Suite (RMS) Operation (RMS-O)

Objective:

The student attending this course should be enabled to understand the basic operation of the RMS and its architectural components. The trainees will be able to use RMS features such as security administration, network discovery, service provisioning and alarm reporting and monitoring, service class bundles, service flow bundles, batch upgrades, role definition and alarms related attributes of the RMS as applied to RedMAX.

Certification Criteria:

In order to receive the certification, students must pass the RCSP-RMS certification exam

Course Duration:

2 days

Target Audience:

The target audience for this workshop includes NOC personnel, Field Engineers, and product support groups.

Registration code: RCSP-RMS-2

Delivery format:

This course is Instructor Led (IL) with hands-on training.

Pre-requisite Knowledge Requirement:

- Basic understanding of SNMP protocols (these protocols are not taught in this course). In addition background knowledge of Windows is assumed
- RCSP-RedMAX or RCSA-RedMAX Certification

RCSP-RMS Course Content Details

Module 1 Introduction to the RedMAX Management Suite.

- Describe the use of RedMAX Management Suite (RMS)
- List the key features of the RMS
- Identify the scope of the RMS
- Outline how RMS can interoperate with other NMS
- Describe the basic Architecture of RMS
- Explain how the RMS maintains its real time knowledge of the NE status

Module 2 RMS GUI - Element Management System

The learner will open the EMS client application and learn how to operate the tools provided for integrated management of an existing RedMax network.

- Login to the EMS and identify the icons, buttons, and on screen functions
- Explore and interpret the topology tree
- Identify the meaning of the color-coding
- Identify the discovered elements
- Operate the search function

Module 3 Service Provisioning

Using the EMS client the learner will configure the EMS Service Class Bundles and will then provision RedMAX network element with customer services (Service Flows).

- Define a Service Class
- Configure a Service Bundle
- Perform Service Flow Provisioning using the RMS
- Create service flows for Data/Voice/Video Service Bundles
- Create Multiple Service Flows for Users with different QoS levels
- Modify an existing service flow and classifier

Module 4 Network Discovery

In this module the discovery of Network Elements (NE) is performed and the topology is developed to allow sub-networks and network groups.

- Perform network discovery the and navigate the topology
- Create NE icons for equipment prior to the hardware being deployed
- Force the RMS database to synchronize with the NE
- Change the default re-discovery interval
- Add a Logical Node
- Administer sub-networks and network groups

Module 5 Remote Upgrade Management

In this module the discovery of Network Elements (NE) is performed and the topology is developed to allow sub-networks and network groups.

- Explain the process of NE upgrade
- Define Pass-thru
- Upgrade the software of individual and groups of NE using the EMS
- Configure a scheduled upgrade of NE using the EMS

Module 6 Fault Management

The response to Network or Element failures is covered in this module. The learner is taught how to test connectivity, respond to events, and configure alarms.

- Identify the key log entries for normal and abnormal events
- Explain the functionality of Alarms and Events
- Display Status and Alarms of Redline Elements
- Differentiate the severity of the failures for a network of managed elements
- Monitor network activity and respond to events and alerts

Module 7 EMS Installation & Administration

The installation and basic administration of the EMS server is covered. The learner will be shown the installation process on an already prepared Windows OS and will then take part in the creation of user Roles and Accounts. The learner will then sort and filter the audit trail provided by the EMS user interface.

- Install the Server Software
- Configure operator access rights in order to limit their capabilities
- Manage user accounts and their passwords
- Configure the RMS to selectively send traps to a northbound interface
- Create an audit trail of operations performed by an operator

More Information

For further information on training and certification, please contact the Redline Training Department at training@redlinecommunications.com.

About Redline Communications

Redline Communications is the leading provider of standards-based wireless broadband solutions. Redline's WiMAX Forum Certified™ systems and award-winning backhaul and transport products enable service providers and other network operators to cost-effectively deliver high-bandwidth services including voice, video and data communications. Redline is committed to maintaining its wireless industry leadership with the continued development of WiMAX and other advanced wireless broadband products. With more than 30,000 installations in 75 countries, and a global network of over 100 partners, Redline's experience and expertise helps service providers, enterprises and government organizations roll out the services and applications that drive their business forward. For more information, visit www.redlinecommunications.com.