AdventNet Web NMS 4 RME is a scalable and secure solution for remotely managing critical network resources.

Key components in AdventNet Web NMS RME are the central server and the distributed mediation servers (DMS). While the central server is installed at the main site, the distributed mediation servers are installed at multiple remote locations. The distributed mediation servers perform network-facing functions, such as discovery, status polling, trap reception, performance data collection, etc at the remote site, and pass on the critical data to the central server. Operators at the central site have segmented view of the network based on privileges and access control, enabling management of each remote location seamlessly.

**RME Features**

**Global view:** AdventNet Web NMS RME offers a global view of the managed networks that span across geographies. The view can also be segmented location-wise.

**Intelligent Distributed Architecture:** AdventNet Web NMS RME is designed around a twin layer architecture that distributes intelligence and network facing functionalities across locations.

**Support for Multiple IP Addresses:** Recognizes and manages devices assigned the same IP address across locations.

**Flexible Communication:** With a low bandwidth requirement across sites, the system can be configured for various connectivity options including a non-dedicated dial-up.

**Communication Across Secure Networks:** Can manage devices and equipments across firewalls and NAT-enabled networks.

**Auto-Discovery and Configuration:** Discovered devices can be automatically configured with the supplied values when they are discovered for the first time.

**Rule-based event correlation:** Rule engine for creating correlation logic at multiple levels ensure that event storms are minimized and alarm counts are diminished.

**Priority-based data transfer:** Based on the priority, data transfer between distributed mediation servers and the central server can be either periodic or immediate.

**Local database for DMS:** Every distributed mediation server (DMS) has a local database to prevent data loss, even when the central server and/or the distributed mediation server shuts down and restarts.

**BE Failover Support:** Supports reliable back-end server failover to ensure high availability.

**Non-IP device management:** Business critical non-IP devices can also be managed.

**SSL Support:** Data transfer between mediation servers and the central server is through a secure transport mechanism implementing SSL.

**SOAP Communication:** Supports SOAP over HTTP communication between the DMS and the Central Server by applying the SOAP Add-on over the servers.

**JMS Communication:** Supports JMS Communication between the DMS and the Central Server by applying the JMS Add-on over the Servers.

**Read-only Client:** Supports a thin read-only webclient for the Distributed Mediation Server.

**Application Management:** Option for monitoring the health and performance of various applications. Pluggable framework for managing any application.

**Software Image Downloads:** Provides a powerful facility to orchestrate the organized download of software images.

**HostResource Monitoring:** Monitors disk space, memory, sysload, CPU, interface, and node. Includes process monitoring and syslog monitoring. Supports these for Linux, Windows and Solaris.

**Automated Actions:** Rule-based actions triggered by occurrence of event or alarm.

**Integrated Reporting:** Reporting engine integrated with option to integrate third party reporting tools.

**Comprehensive Protocol Support:** Supports a comprehensive set of protocols on the southbound. Protocols supported include SNMP, TL1, CORBA and CLI. On the northbound it supports TL1 and CORBA for integration with existing and legacy applications.
### RME Benefits

**Remote management of network resources:** Service providers can remotely manage their customers’ networks, which are geographically separated. OEMs can remotely manage their devices, which are deployed across many customers worldwide.

**Management from a single console:** Centralized management from a single console eliminates the need for network specialists at customer locations.

**Low maintenance cost:** As the resources and its operations are centrally monitored, the fault conditions are proactively identified and rectified.

**Zero downtime:** As the system supports server fail-over with a rugged communication framework, it offers high availability and reliability ensuring zero downtime.

### Deployment Flexibility

AdventNet Web NMS 4 RME is portable across many Operating Systems and databases. A variety of flexible deployment options are available to suite different deployment needs.

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### Hardware Requirements

- **CPU:** 733 MHz for Windows/Linux 333 MHz for Solaris Ultra5
- **Memory:** 256 MB RAM or higher
- **Disc Space:** 320 MB + 200 MB Swap

### About AdventNet

AdventNet provides affordable software for management and provisioning of complex networks, systems, and IT applications. With a broad product portfolio and an active customer base ranging from enterprises, equipment vendors, and service providers, AdventNet has emerged as a very affordable and high-quality alternative to expensive software that is common in this industry.

AdventNet is headquartered in Pleasanton, CA with offices in NJ, NH, India, UK, China, and Japan. It has a well-trained partner base around the globe and thousands of customers world-wide. Visit us at www.adventnet.com