

System Integration

UC for Enterprise Manager (UNIVERGE® MA4000)



At a Glance

- Maximizes efficiencies
- LDAP auto-provisioning
- Single point of entry for administration
- Network management systems integration
- Telecom management network compliant
- Saves time and delivers better service

Overview

NEC's UC for Enterprise Manager (UNIVERGE MA4000) is a centralized web based management system for communications servers. It seamlessly supports and manages the day-to-day tasks of all NEC's UNIVERGE Communications Servers – including those in the SV8000 series as well as NEC's SV7000, NEAX® 2400 IPX and 2000 IPS systems.

For a management system to be an asset to an organization, it must integrate seamlessly with existing management infrastructure. UC for Enterprise (UCE) Manager accomplishes this integration by providing a single point of administration. It acts as the front-end for a business's entire NEC communications solution.

Solution

Maximizes Efficiencies

Integration of a new management system into a company's existing infrastructure is not optional: it is absolutely essential for keeping IT costs-of-ownership under control and system efficiencies high. That is why NEC's UCE Manager relies upon industry standards common to many management platforms. It is carefully designed to take advantage of this critical element—integration.

LDAP Auto-Provisioning

For easy integration, UCE Manager uses Lightweight Directory Access Protocol (LDAP), the preferred protocol for deploying directory-based applications and solutions. Vendors such as Microsoft®, Red Hat® and Lotus® offer LDAP as a means of integrating with their network management databases.

UCE Manager logically provisions new employees based on user-defined criteria in LDAP (Base DN, Scope and Filters). UCE Manager utilizes LDAP to scrutinize specific database fields. It extracts that information and automatically uses it to make provisioning decisions, thereby speeding the provisioning process.

Single Point of Entry

User administration becomes difficult every time an employee joins, leaves, or moves within any organization with multiple application layers. Because UCE Manager acts as a single point of entry for a company's communications servers, voice mail, corporate directory, call accounting, E911 system and more, it eliminates this problem.

This single-point-of-entry feature derives from the way the UCE Manager implements LDAP as well as the system's easy-to-use, native interface. Once a user's information is created in the UCE Manager system, it is automatically transmitted to other applications, thus, maximizing efficiencies.

Network Management Systems (NMS) Integration

Network Management Systems (NMS), like HP® OpenView™ and IBM® Tivoli™, keep track of network faults, inventory and reporting. In the background of every NMS is the Simple Network Management Protocol (SNMP), the standard protocol for managing network devices.

NEC's UCE Manager integrates with NMS by taking on the role of the element management system (EMS) as it communicates with NEC communications equipment or network elements.

Using SNMP trap technology, UCE Manager can forward any fault up to the NMS while it simultaneously maintains its own fault escalation system.

UCE Manager, using SQL access and its application programming interface (API), shares traffic, voice-over-internet protocol (VoIP) and Quality of Service (QoS) data with the NMS.

In addition, the NMS systems that house an organization's LDAP directory integrates with the UCE Manager for authentication and a single point of entry.

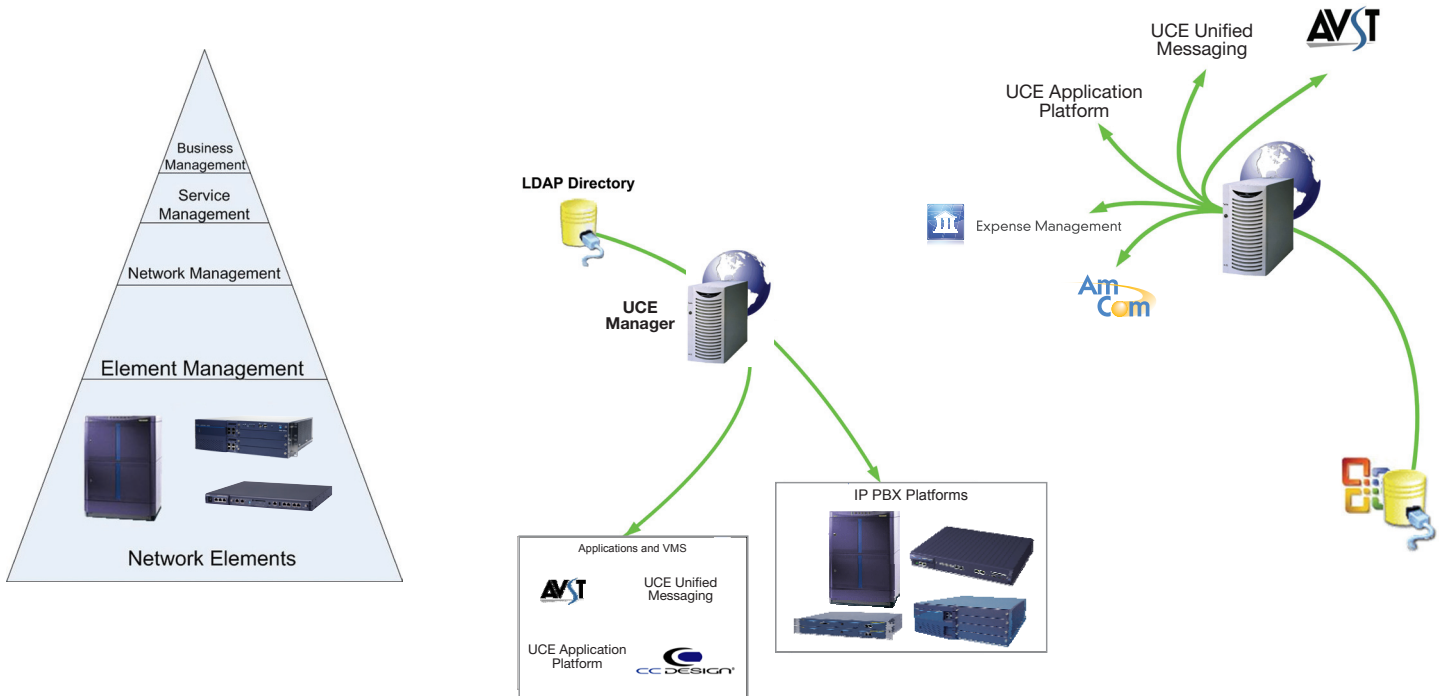
Telecom Management Network Compliant

UCE Manager is built on the telecommunications management network (TMN), developed by the International Telecommunication Union (ITU) as an infrastructure to support management and deployment of integrated telecommunications services. TMN provides a framework that helps companies achieve interconnectivity as they merge new technologies with legacy systems in heterogeneous operating environments.

Saves Time and Delivers Better Service

UCE Manager's integration features serve to streamline a company's business processes and reduce operating costs. They are an important reason for choosing UCE Manager.

To find out more about UCE Manager and how NEC's powerful and versatile technology platforms can work for any organization, visit our website at www.necam.com.



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