

Security Solution

UC for Enterprise Manager (UNIVERGE® MA4000)



At a Glance

- Keeping voice communication backbone secure
- Proactive fault management with built-in accountability
- Powerful end-to-end encryption
- Rapid recovery from disasters
- Intrusion detection and toll-fraud prevention
- Audit history
- Single login

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 Communication Servers – including those in the SV8000 series as well as NEC's SV7000, NEAX® 2400 IPX and 2000 IPS systems.

UCE Manager provides secure, centralized administration for reliable management of a business's converged enterprise environment and empowers businesses by making their communications system a more productive asset.

Solution

Keeping Voice Communication Backbone Secure

Ask any IT manager, CIO or telecom manager and they'll agree: of all the benefits that a voice network can provide, there is none more important than security. With the number of security intrusions on the rise, and with voice a business-critical application, the need for end-to-end voice security is paramount.

UCE Manager meets this need by providing companies with the most dependable voice network communications solution available. When utilized in conjunction with the UCE Manager's Security Best Practice Guide, NEC's voice solution may be the most secure backbone infrastructure in your network.

Proactive Fault Management with Built-In Accountability

UCE Manager's Proactive Fault Management stops network problems before they start. UCE Manager collects faults in real time from all the voice servers across the network via SNMP traps. It enables companies with the flexibility to categorize those faults by type, severity, source or description and generate distinct notifications for each fault group.

Further, UCE Manager tracks notifications based on acknowledgement and time-to-answer: if a fault is not acted on within a specified time, UCE Manager escalates the notification to the next level. It delivers notification by screen-pop, SNMP trap, event log or e-mail. In this way, UCE Manager collects faults, effectively reports them and ensures they are addressed by qualified individuals in a timely manner.

Powerful End-to-End Encryption

UCE Manager encrypts all transactions from the client and server to the voice system—up to 256 bits in SSH or SSL. As a result, communications to either the client or the PBX travel over the Internet without concern for the security of external sources. Because no sensitive voice configuration information is ever sent in clear text across the network, it is virtually impossible for unauthorized persons to gain access to the provisioning system.

Rapid Recovery from Disasters

UCE Manager voice servers are always prepared for rapid recovery in case of any disaster—whether from acts of nature or sabotage. This web-based centralized voice-server management system archives the voice system database every night. Thus, UCE Manager enables companies to restore previous configurations on a moment's notice.

Intrusion Detection and Toll-Fraud Prevention

Today, unauthorized users break into some voice systems by repeating login attempts until they find a user ID and password that works. UCE Manager's intrusion-detection algorithm locks out accounts based on invalid login attempts within a defined period of time.

UCE Manager also prevents long-distance toll-fraud and other kinds of fraud by accessing a centralized authorization code database. Invalid authorization code entries cause UCE Manager to disable the edge telephone device. All intrusion detection and toll fraud attempts generate alarms within UCE Manager itself.

Audit History

UCE Manager tracks every command issued and every system configuration change. IT personnel can create audit history reports and use searchable audit histories as troubleshooting tools. With UCE Manager's audit history log, administrators know who changed what and when. They know what the change affected and any pertinent details associated with the change.

Single Login

UCE Manager integrates with either an Active Directory™ or LDAP V3 database to provide a single point of authentication enterprise-wide. As a result, users need to remember only one username and password when logging into UCE Manager.

With the pressing need for security solutions dramatically increasing, UCE Manager goes the extra mile to meet the requirement for a dependable voice communications management solution over the network.

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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