Multi Server Appliances for Compuware NetworkVantage

The Cubix Multi Server Appliances (models MSA 800 and 300) are specifically configured with Compuware NetworkVantage (formerly EcoSCOPE) software and NetworkVantage LAN/WAN adapters to produce a series of turnkey NetworkVantage "Appliance Blades" that can be ordered and deployed simply and easily.

Cubix has integrated specialized software/hardware tools that give administrators comprehensive remote site control for configuration and monitoring of each individual NetworkVantage blade. From any remote site on the network, administrators can view and control the KVM (Keyboard, Video, Mouse) of any NetworkVantage blade. These tools make remote configuration and set-up of Cubix hardware possible from any location, saving administrators time and effort in deploying NetworkVantage products.

Cubix's Working Relationship With Compuware

Building an "appliance" product takes a great deal of effort to ensure that you get a product that is fine-tuned to meet your needs. The creation of this product has involved the combined efforts of product managers, engineers, test managers, and quality assurance managers from both Cubix and Compuware staffs to help take the guesswork and difficulty out of setting up and deploying an NetworkVantage solution. We do this by providing a consolidated hardware and software platform as a Multi Server Appliance that is tuned to provide the highest level of performance, reliability, compatibility and quality. Cubix can help eliminate the piecemeal PC approach that causes installation errors, configuration errors and compatibility problems.

Industry Standards

Cubix computers and other manufacturers' computers use industry standard components. We use the same Intel® parts as many other manufacturers and use standard hard drives and memory in our systems. Where we stand apart is in our packaging architecture and our focus on creating specific NetworkVantage solutions. With our unique design we are able to provide highly available, manageable, neatly packaged servers in a highly dense configuration. This reduces rack space requirements, power consumption, cooling requirements, cabling, installation time and maintenance down time.

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Cubix Multi Server Appliance for Compuware NetworkVantage (formerly EcoSCOPE)

Cubix and Compuware have partnered to create a Multi Server Appliance featuring the powerful application analysis tools of Compuware's NetworkVantage products.

Whether you're experiencing problems with applications on a network, or monitoring service levels, the tools used to solve your problems don't have to require extensive set-up and configuration.

Cubix has improved Probe deployment by creating an NetworkVantage Multi Server Appliance. New Probes can be up and running in just a few minutes; only network specific data such as IP addresses, Domain names, and license keys are required to complete the installation.

MSA 300

The benefits of deploying NetworkVantage probes on a Cubix Multi Server Appliance ensures your probes are:

Certified and Tested: Compuware and Cubix engineers have certified and tested the hardware and software combination to ensure that your network tool is compatible and reliable.

Performance Optimized: Cubix and Compuware have developed hardware configurations that are optimized for NetworkVantage probes. Processor speed, memory, drive capacity and network interfaces have been tuned to maximize your probes' performance. This eliminates the potential to under-power or overspend on probe hardware, saving you time and money.

Though the performance capabilities of the appliance blades should meet most NetworkVantage deployments, customized configurations are possible. A Cubix representative can assist you in designing a configuration that meets your project needs.

Pre-installed Software: To save you time, Cubix preloads the operating system and NetworkVantage software at the factory. The NetworkVantage blade is tuned to support the proper network interfaces (LAN, WAN, HSSI). Pre-installation also eliminates the potential for time consuming configuration errors.

Quality Assurance: Each blade is tested and burned in at the Cubix factory before shipping. Operating systems, drivers, NICs and application revisions are checked and controlled to ensure complete compatibility between hardware and software.

Management Tools: Cubix's hardware management tools allow the view and control of multiple NetworkVantage blades using a single SNMP-based management console. Software is integrated at the Cubix factory that allows administrators to monitor and change hardware and operating system settings on NetworkVantage blades remotely. The administrator simply needs LAN/WAN access to view all of the MSA systems and the NetworkVantage blades within.

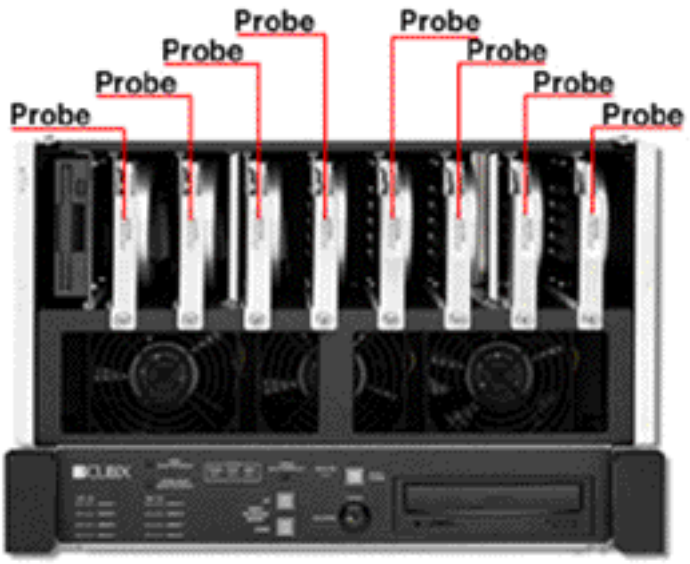
Cubix's tools also provide system health monitoring and alarms for internal temperature, power supplies, voltages, circuit breakers and fan rotation status. Reporting takes place out-of-band (on a dedicated serial network) so it does not affect NetworkVantage Probe functions, data, or results.

Expert Support: Compuware is the expert at supporting their software, and likewise, Cubix is the expert on the hardware. Together we work to provide you with complete satisfaction in resolving inquiries and providing knowledgeable, fast responses.

Simplified Probe Deployment

Cubix has not only simplified the process of probe deployment, the Cubix MSA system is scaleable, saves space, consolidates resources, eases cable administration, and is easy to service.

Scalability: In addition to diagnosing problems, probes can help monitor service levels and collect data for planning– so you'll probably want to deploy more over time. Each 7U, rackmounted MSA 800, hosts as many as 8 NetworkVantage blades. You can start with just one NetworkVantage Probe blade and a NetworkVantage Manager blade or fill the MSA 800 with 8 probes. You can add more blades to the MSA as your needs grow. A single PCI slot is available for each blade to add specialty LAN/WAN interfaces if desired. Cubix will configure the MSA system and blades at the factory to fit your configuration requirements.



MSA 800

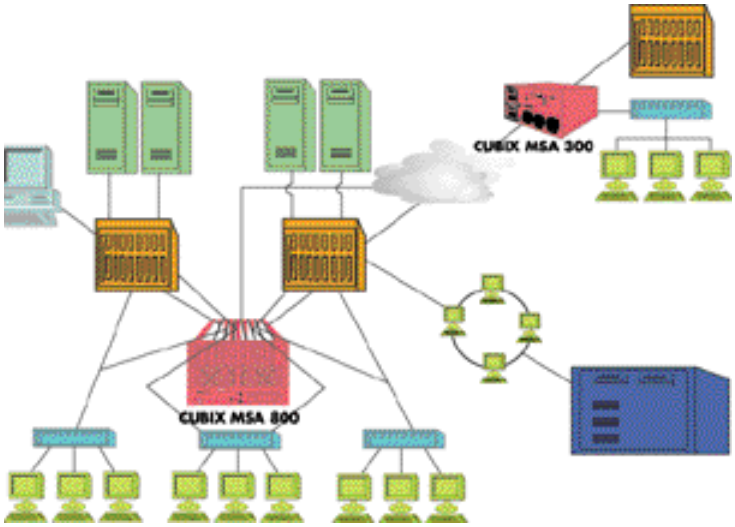
Conserves Space: Today's data centers are being squeezed for rackspace. Cubix's unique architecture is designed to minimize the amount of space required for each NetworkVantage appliance – less than 1U per appliance.

Reduced Cables: NetworkVantage Probe deployments are used to improve service levels and eliminate problems. The hardware should not add complexity to your data center. The Multi Server Appliance design reduces the number of cables required. With an MSA 800 only three power cables are required to support 8 servers. Internal peripherals are shared to further reduce cable clutter. An integrated KVM switch uses a single cable to a breakout box to provide KVM support to all 8 servers in the chassis.

Field Serviceable: Most subsystems within the MSA system are cable-free and modular making it very easy to service. Blades are hot-swappable boards, powered independently from the other probes in the system. They can be swapped out without powering down the system or disturbing neighboring NetworkVantage blades.

Smart IT professionals use the proper tools to pinpoint potential problems quickly. A Cubix Multi Server Appliance is ideal for deploying multiple probes in space restricted data centers. Deploying NetworkVantage probes on a Cubix appliance is the fastest and most effective tool for the job. Contact your local Compuware or Cubix representative to find out how you can improve your tool set.

Where Cubix Multi Server Appliances Fit In The Network Landscape



MSA 300

Ideal for remote site locations requiring one, two, or three Compuware NetworkVantage probes. The MultiServer Appliance 300 makes field deployments simple and fast.

Appliance Capacity:
Three blades

Power System:
Redundant, hot-swap supplies max power consumption rated at 325 Watts. Available in 110VAC or 240VAC. Optional redundant supply.

Expansion Slots:
One PCI slot per blade

Cooling:
Redundant multi-fan system

Hardware Management:
Intelligent Environmental Supervisor provides alarms and system status. SNMP-based management console.

KVM Support:
Integrated switch

CD-ROM or Floppy:
Switched

Dimensions:
5U RETMA (8.75"H/311.15mm x 19"W/482.6mm x 17"D/431.8mm)

Mounting:
19" RETMA, 2 Post (mounting bracket included)

MSA 800

The Multi Server Appliance 800 provides a 19" rack-mount system capable of hosting as many as 8 NetworkVantage blades in a single enclosure. Multiple MSA enclosures can be linked to support larger probe deployments.

Appliance Capacity:
Eight blades

Power System:
Hot-swap, n+1 system configured with 3 supplies. Max power consumption rated at 650 Watts. Available in 110VAC or 240VAC.

Expansion Slots:
One PCI slot per blade

Cooling:
Redundant multi-fan system

Hardware Management:
Intelligent Environmental Supervisor provides alarms and system status. SNMP-based management console.

KVM Support:
Integrated switch

CD-ROM/Floppy:
Switched

Dimensions:
7U RETMA (12.25"/311.15mm x 19"W/482.6mm x 24.4"D/619.8mm)

Mounting:
19" RETMA, 4 Post
(ball-bearing rails included)

NetworkVantage Probe Appliance

Deploying multiple NetworkVantage probes couldn't be faster. Cubix has optimized, pre-configured and tuned the hardware, then tested and packaged Compuware's NetworkVantage software on a blade appliance. The blades are designed to be hosted in Cubix's Multi Server Appliance (MSA) systems.

NetworkVantage Appliance Blade

Network Interface(s):
Dual Intel Pro 10/100 Ethernet

Operating System:
Microsoft Windows 2000 Pro

Optional Interface(s):

Appliance w/HSSI Card

Appliance w/WAN Card

Appliance w/GIGABIT Ethernet

Hardware Management:
Remote Control Host and SNMP Agent

NetworkVantage Manager Appliance

Most Probe deployments require a Manager to administer, collect and report Probe data. Cubix has a Manager blade that is easily added to any MSA system. Like the Probe blade, it is pre-configured and tested, ready to plug-n-play.

NetworkVantage Manager Blade

Network Interface(s):
Dual Intel Pro 10/100 Ethernet

Operating System:
Microsoft Windows 2000 Pro

Hardware Management:
GlobalVision™ SNMP-based console and remote control viewer