



EQUINIX

SECURING THE LEADING SUPPLIER OF NETWORK-NEUTRAL DATA CENTRES

Equinix is the leading global provider of network-neutral data centers and Internet exchange services for enterprises, content companies, systems integrators and network services providers. Equinix Internet Business Exchange™ (IBX®) centers serve as core hubs for critical IP networks and Internet operations worldwide. Equinix takes its business and security very seriously. Server downtime is not an option, and Equinix reduces that risk with a Symmetry Professional Security Management System complete with Symmetry Video Management and Symmetry ENV5® (Edge Network Video Server) by G4S Technology.

From the moment a customer enters the building, security is paramount. Equinix provides a totally secure package to its customers- right down to the building's environment. Security begins outside. No signage identifies the company. Why attract hackers or problems by identifying that you house some of the most high traffic servers in the world? Company credentials do not contain the company name or logo either.

A power feed from the public utility runs directly into the Equinix power system. The power runs through uninterruptible power supplies (UPS) housed in special rooms in order to eliminate spikes or glitches, and then directly to their customer's servers. Generators provide an emergency power supply to the UPS system.

"Equinix chose the Symmetry™ Security Management System because it had integration capabilities and ease of being able to monitor the activities of a customer," said North Star Security Systems Owner, James Toy. "Cameras view the customer's past and present activity; access control tracks where they have been." Each of Equinix's three Los Angeles sites utilizes the Symmetry Professional Access Control system. One Los Angeles site and the San Jose site installed Symmetry Video Management with Symmetry

ENV5. Their newest site in Virginia, currently under construction, will also be protected by the Symmetry Professional system and the Symmetry Video Management with Symmetry ENV5.

Employee's hands are scanned if they are maintaining the servers, and card access is used throughout the facilities. Mechanical rooms require a card and pin code for additional security.

Customers may request an audit report of who visited their cage at any time. If a cage is opened for any reason, the security staff must be knowledgeable to track why it was opened. Only Equinix employees and clients have access to servers. If a server fails, the client looks to Equinix for answers. Having a good audit trail and video saves Equinix money. It's Equinix's word versus the clients – so if something happens, the audit trail becomes priceless.

Each site has its own security and is not connected via a LAN or WAN. Equinix refuses to give the outside world the opportunity to hack into their security system. Equinix believes security should be in their building and nowhere else, therefore a separate network manages security.

The security staff takes advantage of the virtual matrix in the Symmetry Video Management software. Security guards can view cameras by priority or preference, choosing which camera to show the largest on screen. If they need to view up to 36 cameras at the same size, they can choose that option as well. Security guards can view live, recorded or archived images simultaneously for optimal performance and flexibility. Equinix security administrators can record at their command to not miss an event. Symmetry Video saves Equinix space. Space was needed to accommodate the four or five racks for multiple DVRs. The same room that housed multiple DVRs now houses one server with a hard drive, and only one rack for video.



"I always go back to G4S Technology systems as they are easy to use"

The Symmetry ENVS fits in small spaces in the field, eliminating the need for a separate cage for equipment. This allows Equinix to put more server cages on their floor, thus increasing business. The ENVS eliminates pulling coax to one location so it saves money and labor of pulling it back to one central location. They have multiple spaces in the colocation area which saves them money. Rather than pulling 200 feet of cable, they pull 20 feet, providing a cost saving way of doing security. "If we didn't have the ENVS, we'd be pulling cable back to the DVR," said Toy.

With the ENVS, all you do is plug it in and it works!" said Toy. "G4S Technology made installation easier by the discovery capability in the ENVS – the software just finds the ENVS – that helps a lot and saves time."

The system is simple and less expensive than systems located in other premises.

"The new G4S Technology system is all rolled into one system, and there is no tape recorder," said Equinix, Director of Operation for Los Angeles, Duane Mackenzie. "The downtown LA location had six racks full of equipment compared to less than a half a rack with the Symmetry ENVS system. It eliminated many costs because it's all rolled into one system. Our coax runs are short too, which makes troubleshooting easier."

The security staff can control its cameras from the Symmetry Video Management software, eliminating the need for a separate camera keyboard to move cameras around.

Currently, Equinix utilizes analog cameras, but plans to upgrade to IP cameras in the near future. Symmetry Video provides a migration path allowing Equinix to migrate at their own pace – so whether they install one camera at a time or retrofit all cameras at once – Symmetry Video supports the migration.

Symmetry Video's unique store and forward capability allows the security staff to store camera recordings on the edge of the network and forward to their server at their convenience. This frees up bandwidth during the day when clients are visiting, and bandwidth is utilized for access control, Internet and other purposes.

Duane especially appreciates Symmetry Video Management software's advanced video analytics. Equinix is able to identify specific behaviors and program them into the software. The Symmetry Video Management software sounds an alarm whenever that behavior occurs, notifying security staff of a potential threat.

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The advanced motion detection feature allows them to watch for items being moved or removed from each cage, the loading docks and storage areas. The security staff proactively responds saving precious moments, money and time spent later going through video.

Mackenzie says, "We are pleased to have saved 1/3 the cost with the Symmetry Security Management System with Symmetry Video/ENVS and are happy with its ease of use."

"If your server is at Equinix, it's going to be safe," said Toy. "This company has the correct power, environment and security." Both Toy and Trick said that based on their current discussions with Equinix, it appears that they will standardize on G4S Technology's Symmetry Professional system and the Symmetry Video Management with Symmetry ENVS for all new construction and all of their future retrofits at existing sites.

About G4S Technology

G4S Technology is part of G4S plc, the world's leading international security solutions group.

G4S Technology provides fully integrated building security systems throughout the world, protecting everything from small offices and schools to large multi-national organisations and high security Government facilities. G4S Technology has been providing unified security solutions for over 30 years, delivering 30,000 systems across 80 countries, to mitigate risk and protect staff, premises and assets.



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