Xceedium GateKeeper™

Privileged Access Control and Session Monitoring

Controlling "privileged" access to IT resources for employees and third parties such as vendors, contractors and service providers, is a major concern for many organizations.

Xceedium GateKeeper addresses a fundamental change in the trust model. With GateKeeper and Xceedium's zero trust architecture, privileged users who often had the "keys to the kingdom" can be restricted to access only the resources and commands that they have been specifically authorized for.

GateKeeper is flexible enough to enable users to do what they need to do to get their jobs done, but secure enough to prevent unauthorized access. GateKeeper provides unmatched policy enforcement, containment and auditing of user activity across the entire infrastructure, allowing organizations to easily customize privileges based on policy. Purposefully built with the needs of highly complex, geographically dispersed and heterogeneous technology infrastructures in mind, it is the only automated end-to-end solution that enforces zero trust policies.

Solutions:

Third-Party Vendor Access Control

The IT administrator's challenge is to balance the need for accessibility against security requirements, manageability and control. Xceedium GateKeeper ensures that third parties and users accessing critical infrastructure and sensitive data are controlled and contained to only authorized areas and that a complete audit trail for accountability is established. It contains users to authorized areas with patent-pending LeapFrog Prevention™ technology, which proactively detects and thwarts violations to ensure automatic policy enforcement.

Audit Quality Logging for Compliance

Xceedium GateKeeper centralizes and streamlines all activities required to provide real-time accountability across the enterprise, providing the necessary proof for compliance. This includes granting access, compartmentalizing, containing, monitoring, tracking and reporting on user activity by identity. Centralized reporting and custom out-of-the-box reports allow organizations to easily prove compliance with mandates such as PCI DSS, SOX, HIPAA and FISMA.

Xceedium GateKeeper allows an organization's devices to be accessible from a single, centralized management portal, providing for zero-touch administration and zero-footprint access, regardless of geography. With GateKeeper, IT data centers and equipment rooms remain locked, on-site administrators are rarely required, and administrative travel is basically eliminated—resulting in faster response time, significant cost savings and enhanced physical security.

Xceedium GateKeeper™ Features and Benefits

Feature	Description	Benefit
Access Control		
Restrictive Access Methodology	Zero-footprint access methodology using secure port forwarding to provide access to any well-defined TCP/UDP port using integrated applets or third-party clients.	Reduces risk by employing a "deny all, permit by exception" (DAPE) security model while preventing endpoints from gaining a footprint on the network. It also ensures accountability by delivering visibility to the user's source IP address.
Centralized Authorization Policy	Provides a single location to manage authorization policy for any users accessing infrastructure resources.	Increase security by centralizing policy management and enforcement for user activity across the infrastructure. Increase efficiency by centralizing authorization policy management.
User Containment		
LeapFrog Prevention	Uses a white/black list approach to contain users to authorized servers or network devices using socket and command filtering technology.	Contains users when they are inside the critical infrastructure to only authorized resources, enabling organizations to easily meet compliance and security requirements.
Integrated Java Access Applets	Uses integrated applets like RDP, VNC, SSH and Telnet, with secure port forwarding access methodology to provide compartmentalization at the port level. This also includes support for mainframes (TN3270 and TN5250).	Enhances security and provides strong controls while protecting the entire IT infrastructure by compartmentalizing and segmenting users according to their roles and responsibilities.
Monitor Activities		
User Activity Monitoring	Real-time monitoring and alerting for attempted policy violations.	Increases security by providing visibility into user activity, proactively alerting and automating corrective actions.
Automated Remediation	Fully customizable and automated remediation based on the number of attempted violations.	Automation of policy enforcement using pre-defined corrective action capabilities.
Record User Activities		
Universal CLI Session Recording	Full session recording for Telnet, SSH and Serial Command Line activities and allows fully searchable playback of the recorded sessions. This also includes support for mainframes (TN3270 and TN5250).	Validates controls by establishing a complete audit trail and ensures full accountability for user activities.
RDP Graphical Session Recording	Full recording for all RDP sessions with a searchable DVR-style playback viewer.	Validates controls by establishing a complete audit trail and ensures full accountability for user activities.
Centralized Reports		
Custom Reporting	Custom and ad hoc reporting module for real-time reporting of log data.	Customized targeted compliance reports, which can be automatically generated to meet audit and regulatory requirements.

GateKeeper™ Runs on Xceedium's Hardened Appliances

System Components	Model X102P	Model X206P
Chassis	1U IPC	1U IPC
Power Supply	250W Power Supply Unit (PSU) (220W at 50+°C)	Dual Hot-Swap Power Supplies 250W Power Supply Unit (PSU)
System Board	Single Board Computer (SBC) Intel Chipset	Single Board Computer (SBC) Intel Chipset
CPU	Intel Core2 Duo 2.13GHz	Intel Xeon E5645 Processor (Hexacore, 2.4GHz)
Memory	4 GB DDR2	6 GB DDR3 1066Mhz ECC Memory
Primary Storage	32 GB Solid-State Drive (SSD)	32 GB Solid-State Drive (SSD)
Secondary Storage (backup)	32 GB Solid-State Drive (SSD)	32 GB Solid-State Drive (SSD)
Display	2 Line x 16 Char LCD Display	2 Line x 16 Char LCD Display
Standard Interfaces		
Network	Six (6) 1-Gigabit Ethernet Ports	Ten (10) 1-Gigabit Ethernet Ports
LCD Inputs	Four-Button Control	Four-Button Control
Serial	One RJ-45 Console Serial Port	One RJ-45 Console Serial Port
Physical Specifications		
Height	1.73" (4.4 cm)	1.73" (4.4 cm)
Width	17" (43.18 cm)	17.4" (44.3 cm)
Depth	14" (35.56 cm)	21.9" (55.6 cm)
Unit Weight	14 lbs. (6.3 kg)	38 lbs. (approx.)
Shipping Weight	23.5 lbs. (10.6 kg)	48 lbs. (approx.)
Enclosure	Fits Standard 19" Rack	Fits Standard 19" Rack
Environmental Specifications		
Storage Environment	-20° C to 70° C , 5 – 95% RH	0° C to 70° C , 5-95% RH
Operating Environment	0° C to 50° C, 20 – 90% RH	5° C to 35° C, 20-90% RH
Internal Ventilation	3 x 2.8 cm 24 CFM fans	4 x 2.8 cm 24 CFM fans

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