

### Xceedium GateKeeper Key Capabilities

- Secure efficient access for IT administrators
- Standardized containment security model
- Compartmentalization and separation of activity
- Violations control – with alert/prevention at command line levels
- Application isolation
- Complete audit and reporting capability
- Centralized management of IT operations

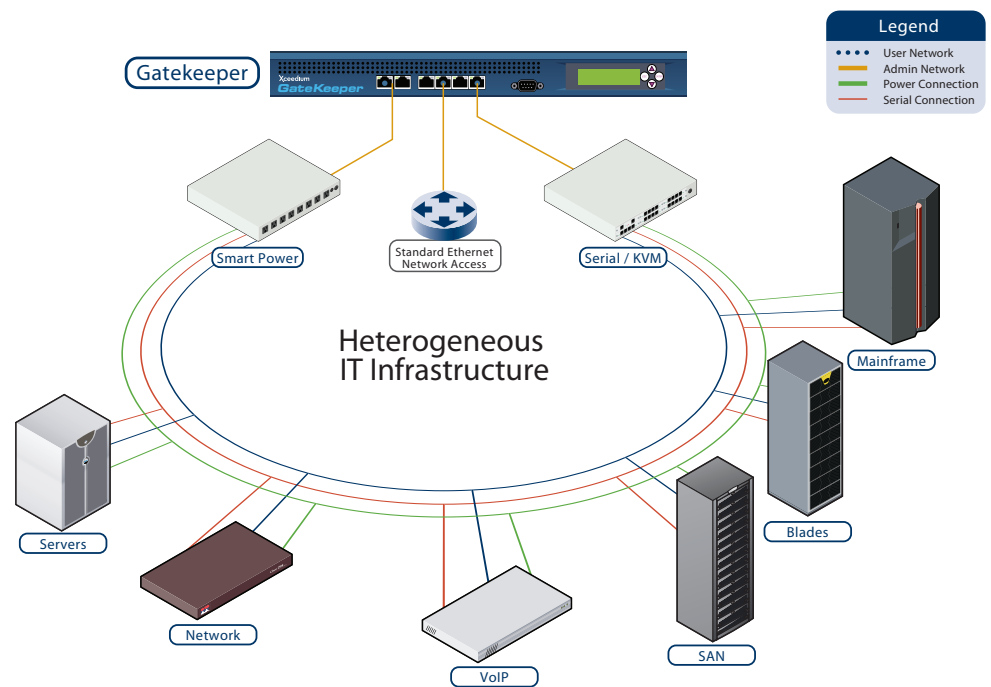
### The Challenge

Enterprises today must provide access to the internal infrastructure and systems by a variety of untrusted entrants, for example, hardware and software vendors, outsourced support, consultants and managed service providers. While these users provide essential services, they are highly-skilled engineers who use power tools to supply remote support capabilities able to “four wheel drive” across a highly heterogeneous distributed environment – one that typically has many moving parts and products from a wide spectrum of vendors.

How do organizations balance the need for flexibility and accessibility against the requirements for security, manageability, and control?

### IT Operational Efficiency – Centralization

Xceedium addresses the first order of business for this demanding group – IT operation efficiency. The Xceedium GateKeeper, a centralized IT operations management platform, supplies a single browser-based user interface – a master console – for all IT administrators to use when accessing any part of the infrastructure. This interface provides a centralized place to find all authorized access tools that are delivered as browser-based applets, and a single point to flexibly launch all access methods – in-band, out-of-band and power. Administrators work with one-touch control, including simultaneous administration of multiple disjointed data centers. The end result: speedier resolution of IT issues, higher staff productivity, reduced travel costs, and improved service levels.



### Standardized Containment Security Model

The elements of this containment model are compartmentalization, violations control, an end-to-end view of all activity in the data center for accountability and control.

### Single Ingress Point

By eliminating multiple entry points through the firewall and illegitimate backdoors as well as using a single, securely encrypted point of access for all users, existing perimeter security is enhanced.

### About Xceedium

Xceedium delivers operational efficiencies and a standardized security model to track all IT administrative activities through a browser-based interface with its centralized IT operations management platform. This centralization allows companies to more effectively manage distributed heterogeneous infrastructure by unifying all access methods, inclusive of in-band, out-of-band, and power management. Xceedium's new security model allows for the precision access control and containment of "trusted" and "untrusted" users. Activities by IT operations personnel, outsourced engineers and application developers can be tracked with end-to-end auditing and reporting for accountability and compliance requirements. Xceedium's Common Criteria Level 2 certification, FIPS 140 compliant solution is deployed at large government agencies, financial institutions and many Fortune 1000 companies. Xceedium is headquartered in Jersey City, N.J.



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### Centralized Policy Enforcement and Simplified Security Management

GateKeeper provides a single interface for defining and managing access-related security policies, including user profiles, access privileges and access methods. GateKeeper's Web-based central management console automatically detects all systems and devices in the environment and provides a consolidated list. To provision users, it is simply a matter of selecting systems, devices and services from this list and defining authorization. GateKeeper is integrated with existing IM solutions like Active Directory and other security solutions, including PKI/CAC, Radius and end point security solutions.

GateKeeper is also designed to allow companies to provide granular compartmentalization for each user at the device, system, port and IP address level. In a simple centralized interface, all vendor access can be easily and efficiently managed according to enterprise security rules. Additionally, this strategy makes sure that these users see only what they are supposed to see, and nothing more, and have no visibility into other resources in the infrastructure – hardware, software or data. Additionally, they can be restricted by time.

### Violations Control

With GateKeeper, user activities are not only separated, but also enforced. GateKeeper supports a violations model of commands that are forbidden, which constrains vendors who use powerful tools like Telnet or SSH to do their jobs. If a violation occurs, GateKeeper alerts the user and system administrators in real time. Xceedium has added patent-pending technology that prevents "leap frogging." As the vendor is trying to type a violation command, Xceedium is inserting characters to block the command from executing. With alerting and prevention, customers can easily manage and control vendors and prevent roaming around into unauthorized areas.

### Robust Audit and Accountability Capabilities

#	Date and Time	Source IP	Nat/Proxy IP	User	Transaction	Access/Protocol	Address	Port	Details
1	2006-12-08 09:54:16	10.5.5.20	70.90.19.81	chris-msp@XC-LDAP.local	alert	Telnet	10.1.10.206/Cisco1700	23	admin alerted via email: telnet typed
2	2006-12-08 09:54:16	10.5.5.20	70.90.19.81	chris-msp@XC-LDAP.local	violation	Telnet	10.1.10.206/Cisco1700	23	unauthorized word telnet typ
3	2006-12-08 10:08:01	--	--	Monitor	monitor	--	--	--	GateKeeper monitor enabled
4	2006-12-08 10:09:29	192.168.1.37	64.236.16.116	dvdemo	alert	SSH	10.1.10.185/Win2003	23	admin alerted via email: telnet typed
5	2006-12-08 10:09:29	192.168.1.37	64.236.16.116	dvdemo	violation	SSH	10.1.10.185/Win2003	23	unauthorized word telnet typ
6	2006-12-08 10:11:26	192.168.1.37	64.236.16.116	dvdemo	alert	SSH	10.1.10.185/Win2003	23	admin alerted via email: telnet typed
7	2006-12-08 10:11:26	192.168.1.37	64.236.16.116	dvdemo	violation	SSH	10.1.10.185/Win2003	23	unauthorized word telnet typ

GateKeeper provides an end-to-end view of all activity in one central place at the source IP address level. All user activity is tracked and logged, including the date and time the user logged into a specific device, the access method, the duration of the session is audited and tracked – for both in-band, out-of-band and power sessions. This makes it possible to effectively evaluate risk and manage vendors as well as to easily provide reports for audit and compliance requirements.

Couple this with detailed audit capabilities that deliver not only keystroke logging but session recording and you gain the ability to hold vendors accountable. You are also able to deliver a complete audit report for all activities in the data center to satisfy compliance requirements. Flexible filtering makes reporting easy and comprehensive.