



## Technology Area

### DEFINITION

<i>Name</i>	Secure Gateways and Firewalls
<i>Description</i>	Secure gateways and firewalls are devices or systems that control the flow of traffic between networks employing differing security postures. There are several types of secure gateways and firewalls, ranging from boundary routers that can provide access control, to even more powerful systems that can filter on the content of the traffic.
<i>Rationale</i>	Secure gateways and firewalls are standard equipment for Internet and boundary connections, and protect sites from exploitation of inherent vulnerabilities. Additionally, they help mitigate problems associated with unsecured systems and the problems inherent in providing robust security for large numbers of systems.
<i>Benefits</i>	<ul style="list-style-type: none"> <li>• Secure gateway and firewall technologies can integrate with other security and intrusion detection systems.</li> <li>• Secure gateways can scan for viruses and malicious code in electronic mail and web pages.</li> <li>• Secured gateways and firewalls are used to restrict connectivity to and from internal networks servicing more sensitive functions.</li> </ul>

### ASSOCIATED ARCHITECTURE LEVELS

<i>List the Domain Name</i>	Security
<i>List the Discipline Name</i>	Technical Controls

### Associated Compliance Components

<i>List the Compliance Component Names</i>	<ul style="list-style-type: none"> <li>• Firewall Selection             <ul style="list-style-type: none"> <li>○ Stateful Inspection Firewalls</li> <li>○ Packet Filter Firewalls</li> <li>○ Application-Proxy Gateway Firewalls</li> <li>○ Personal Firewalls</li> <li>○ Dedicated Proxy Servers</li> </ul> </li> <li>• Firewall Environments</li> <li>• Firewall Administration</li> <li>• Firewall Rules</li> </ul>
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### Associated Product Components

<i>List the Product Component Names</i>	
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### TECHNOLOGY AREA DETAIL

<i>Supporting Documentation</i>	NIST SP 800-41, Guideline for Firewalls and Firewall Policy
<i>Document Source Reference #</i>	<a href="http://www.csrc.nist.gov/publications/nistpubs">www.csrc.nist.gov/publications/nistpubs</a>

**Standard Organization / Government Body**

<i>Name</i>	National Institute of Standards and Technology (NIST), Computer Security Resource Center (CSRC)	<i>Website</i>	<a href="http://csrc.nist.gov/">http://csrc.nist.gov/</a>
<i>Contact Information</i>	<a href="mailto:inquiries@nist.gov">inquiries@nist.gov</a>		
<b>KEYWORDS</b>			
<i>List Keywords</i>	Stateful inspection, packet filter, application proxy, dedicated proxy, personal firewall		
<b>CURRENT STATUS</b>			
<i>Provide the Current Status</i>	<input type="checkbox"/> <i>In Development</i> <input type="checkbox"/> <i>Under Review</i> <input checked="" type="checkbox"/> <i>Approved</i> <input type="checkbox"/> <i>Rejected</i>		
<b>AUDIT TRAIL</b>			
<i>Creation Date</i>	5/27/2004	<i>Date Accepted / Rejected</i>	06/08/2004
<i>Reason for Rejection</i>			
<i>Last Date Reviewed</i>		<i>Last Date Updated</i>	
<i>Reason for Update</i>			