Technical Information Document

COE
Servers

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Symptoms / Facts

A number of management applications are provided with Bull NovaScale servers to allow components of a server to be remotely managed, possibly from a central management workstation. A user may find that, even though a server is accessible locally for normal user purposes, e.g. file access or printing, it cannot be managed remotely.

Cause

These remote management applications communicate across the network using specific IP ports. Firewalls / routers may need to be configured to allow management traffic (specific IP ports) to pass through them.

Solutions / Fixes

The table below identifies which IP ports are used by currently supported remote management applications.

Source	uses…	…to destination (the listener)
ESMPRO		
Agent TCP/IP In-band[*]	31134/tcp	Manager
Agent TCP/IP Out-band	1701/udp	Manager (if VPN using L2TP)
Agent TCP/IP Out-band	1723/tcp	Manager (if VPN using PPTP)
Agent Internet Mail[*]	25/tcp (SMTP)	Mail server
Agent SNMP Trap	162/ucp	Manager (or other software)
Manager[*]	8806/tcp ⇔	Manager
Manager (Alert Viewer)[*]	8807/tcp ↻	Manager
Manager (Data Viewer)	161/udp (SNMP)	Agent
Client (web interface)	80/tcp (HTTP)	Manager
Mylex Global Array Manager (GAM)		
Mylexv GAM Client	157/tcp ⇔	Mylex Agent
Mylex Agent Trap[*]	158/tcp	Mylex GAM Client
LSI		
Power Console Plus Client	3571/tcp ⇔	Power Console Plus Server
Power Console Plus Client & Server	3572/tcp ⇔	Power Console Plus Registration Server
MSM	3071/tcp ⇔	MSM
MSM	5571/tcp ⇔	MSM
MSM	32000 and more/tcp ⇔	MSM
Promise Array Management		
PAM Client	710/tcp ⇔	PAM Server

Source	uses…	…to destination (the listener)
PAM Client	713/udp ⇔	PAM Server (to be confirmed)
WebPAM		
Http	8080	
Https	8443	
ASMBE		
Web server	3513 (HTTPS)	IE Client
Veritas Volume Manager		
Veritas Enterprise Administrator	2148/tcp ⇔ 2148/udp	Veritas Volume Manager Server
MWA/DianaScope		
MWA / DianaScope Manager	623/udp ⇔	BMC
DianaScope Manager	2069/udp ⇔	SystemBIOS

⇔   Indicates two-way traffic.

↻   Indicates port used internally within the server only and is not transmitted across the network.

*   Indicates that the port value can be changed if required (but this is not recommended).

See also **(if applicable)**

N/A

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Applies to: