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Service	Ports*	Open To	GRID		Virtual Organization						Site				
			IC	MDS	VOMS	MS-LDAP	PX	RB	BDII	RLS	UI	SE	CE	WN	NM
httpd (apache)	80	world	-	-	✓	-	-	-	-	-	-	✓	-	-	✓
MySQL	3306	machine	✓	-	✓	-	-	✓	-	✓	-	-	-	-	✓
NFS (Network File System)	2049	site	-	-	-	-	-	-	-	-	✓	✓	✓	-	-
ntpd (Network Time Protocol)	123/udp	ntp server(s)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OpenLDAP	389	world	-	-	-	✓	-	-	-	-	-	-	-	-	-
openssh	22	world	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
portmap	111/udp & tcp	site	-	-	-	-	-	-	-	-	-	✓	✓	✓	-
Globus & EDG Gatekeepers	2119	world	-	-	-	-	-	-	-	-	-	✓	-	-	-
Globus Job Manager	20000-25000 [†]	world	-	-	-	-	-	-	-	-	-	✓	-	-	-
GridFTP	2811	world	-	-	-	-	-	-	-	-	✓	✓	-	-	-
MyProxy	7512	world	-	-	-	-	✓	-	-	-	-	-	-	-	-
BDII (LDAP)	2170	world	-	-	-	-	-	-	✓	-	-	-	-	-	-
CondorG	7771	world	-	-	-	-	-	✓	✓	-	-	-	-	-	-
GOUT (LDAP)	2169	world	-	-	-	-	-	-	-	-	-	-	-	-	✓
GridFTP (EDG modified)	2811	world	-	-	-	-	-	✓	-	-	-	-	-	-	-
Iperf	5001	world	-	-	-	-	-	-	-	-	-	-	-	✓	-
LEMON (fab. mon. server)	12409/udp & tcp	site	-	-	-	-	-	-	-	-	-	-	-	-	✓
LEMON (fab. mon. service)	12411	site	-	-	-	-	-	-	-	-	-	-	-	-	•
Logging & Bookkeeping Server	9000, 9001	world	-	-	-	-	-	✓	-	-	-	-	-	-	-
locallogger (logd)	9002	world	-	-	-	-	-	✓	-	-	-	✓	-	-	-
MDS (LDAP)	2135	world	-	✓	-	-	-	-	-	-	✓	✓	-	-	-
Mercury Monitor (local)	3570	gatekeeper	-	-	-	-	-	-	-	✓	-	-	-	-	-
Mercury Monitor (site)	3570	world	-	-	-	-	-	-	-	-	-	✓	-	-	-
Network Server	7772	world	-	-	-	-	-	✓	-	-	-	-	-	-	-
pcpd	50500	world	-	-	-	-	-	-	-	-	-	-	-	✓	-
RFIO	3147	world	-	-	-	-	-	-	-	-	✓	-	-	-	-
R-GMA (tomcat)	8088, 8080, 8443 [§]	world	✓	-	-	-	-	-	-	-	-	-	-	-	✓
RLS-RLI (tomcat)	8080, 8443 [§]	world	-	-	-	-	-	-	-	-	-	-	-	-	-
RLS-LRC (tomcat)	8080, 9101-9120 [‡]	world	-	-	-	-	-	-	-	-	✓	-	-	-	-
RLS-RMC (tomcat)	8080, 9201-9220 [‡]	world	-	-	-	-	-	-	-	-	✓	-	-	-	-
RLS-ROS (tomcat)	8080, 9301-9320 [‡]	world	-	-	-	-	-	-	-	-	-	-	-	-	✓
RTCS (scheduler input)	6091	machine	-	-	-	-	-	-	-	-	-	•	-	-	-
RTCS (maintenance)	6092	machine	-	-	-	-	-	-	-	-	-	•	-	-	-
RTCS Scheduler (Maui)	42559	machine	-	-	-	-	-	-	-	-	-	•	-	-	-
SE/apache-ssl	6375	world	-	-	-	-	-	-	-	-	✓	-	-	-	-
SE (tomcat)	8080, 8443 [§]	world	-	-	-	-	-	-	-	-	✓	-	-	-	-
UDPmon	14233/udp	world	-	-	-	-	-	-	-	-	-	-	-	✓	-
VOMS	15000-15020	world	-	-	✓	-	-	-	-	-	-	-	-	-	-
VOMS (httpd & mod_ssl)	443	world	-	-	✓	-	-	-	-	-	-	-	-	-	-
VOMS (admin. client, tomcat)	8080, 8443 [§]	world	-	-	✓	-	-	-	-	-	-	-	-	-	-

*All are TCP ports unless otherwise indicated.

[†]Selectable range; required with GridFTP, Gatekeeper (no user logins).

[§]Secure port, [‡]One secure port per supported VO.

• optional

✓ required

- not required