

HP-UX Networking Ports Reference Guide

**HP-UX 11i version 1
and
HP-UX 11i version 2**

Edition 1



**Manufacturing Part Number : 5187-4242
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United States

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Acknowledgements

This document includes information about software developed by the Apache Software Foundation. This documentation is based on information from the Apache Software Foundation (<http://www.apache.org>).

This document includes information about includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org>).

About This Document

1. Port Numbers and Ranges

Port and Port Range Use 2

2. Services

Services and Ports 26

3. Additional Information

Related Product Documentation 40

About This Document

This document contains a list of port numbers and how they are used by HP-UX services and applications. This information is listed both numerically by port number and alphabetically by service and application.

The document printing date and part number indicate the document's current edition. The printing date will change when a new edition is printed. Minor changes may be made at reprint without changing the printing date. The document part number will change when extensive changes are made.

Document updates may be issued between editions to correct errors or document product changes. To ensure that you receive the updated or new editions, you should subscribe to the appropriate product support service. See your HP sales representative for details.

The latest version of this document can be found on line at <http://docs.hp.com>.

Intended Audience

This document is intended for system and network administrators responsible for installing, configuring, and managing the HP-UX operating system and HP-UX applications. Administrators are expected to have knowledge of operating system concepts, commands, and configuration.

This document is not a tutorial and does not contain any procedural information. This document is intended for reference. For procedures using ports, see HP-UX operating system documentation and software application documentation.

New and Changed Documentation in This Edition

This is the first release of the HP-UX Ports Reference Manual. All information in this version of this document is new.

NOTE This guide contains only port numbers and port ranges used by HP-UX services and applications. For a complete list of standard networking port numbers, go to www.iana.org/assignments/port-numbers.

Publishing History

Table 1 Publishing History Details

Document Manufacturing Part Number	Operating Systems Supported	Supported Product Versions	Publication Date
5187-4242	11i version 1 11i version 2	n/a	July 2003

What's in This Document

HP-UX Networking Port Reference Guide is divided into several chapters.

Preface	About This Document Use this preface to find information about what is in the <i>HP-UX Networking Ports Reference Guide</i> , printing history, and typographical conventions.
Chapter 1	Port Numbers and Ranges Use this chapter to find ports or port ranges listed numerically by port number.
Chapter 2	Services Use this chapter to find services and applications that use networking ports and port ranges, listed alphabetically by service and application name.
Chapter 3	Additional Information Use this chapter to find additional documentation and information references about HP-UX applications that use or secure ports and port ranges.

Typographical Conventions

This document uses the following conventions.

<i>audit</i> (5)	An HP-UX manpage. In this example, <i>audit</i> is the name and <i>5</i> is the section in the <i>HP-UX Reference</i> . On the web and on the Instant Information CD, it may be a hot link to the manpage itself. From the HP-UX command line, you can enter “man <i>audit</i> ” or “man <i>5 audit</i> ” to view the manpage. See <i>man</i> (1).
<i>Book Title</i>	The title of a book. On the web and on the Instant Information CD, it may be a hot link to the book itself.
KeyCap	The name of a keyboard key. Note that Return and Enter both refer to the same key.
<i>Emphasis</i>	Text that is emphasized.
Bold	Text that is strongly emphasized.
Bold	The defined use of an important word or phrase.
ComputerOut	Text displayed by the computer.
UserInput	Commands and other text that you type.
Command	A command name or qualified command phrase.
<i>Variable</i>	The name of a variable that you may replace in a command or function or information in a display that represents several possible values.
[]	The contents are optional in formats and command descriptions. If the contents are a list separated by , you must choose one of the items.
{ }	The contents are required in formats and command descriptions. If the contents are a list separated by , you must choose one of the items.
...	The preceding element may be repeated an arbitrary number of times.
	Separates list items in a list of choices.

Related Documents

See Chapter 3, “Additional Information,” on page 39 for a list of additional documentation about HP-UX applications and services that use networking ports and port ranges.

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Please include document title, manufacturing part number, and any comment, error found, or suggestion for improvement you have concerning this document. Also, please include what we did right so we can incorporate it into other documents.

1 Port Numbers and Ranges

This chapter contains a table with information about port numbers and port ranges and the HP-UX services and applications that use them. This table is organized numerically by port number.

Port and Port Range Use

NOTE This guide contains only port numbers and port ranges used by HP-UX services and applications. For a complete list of standard networking port numbers, go to www.iana.org/assignments/port-numbers.

Table 1-1

Port/Port Range	Service/Application	Protocol	Description
0-1023	Well-known ports	n/a	Well Known Ports are assigned by the IANA. These ports can only be used by system or root processes, or by applications executed by privileged users.
1	tcpmux	TCP	TCP port service multiplexer Not common on HP-UX. You can edit the <code>/etc/inetd.conf</code> file to comment out or disable this service.
5	rje	TCP/UDP	Remote Job Entry Service Not common on HP-UX. You can edit the <code>/etc/inetd.conf</code> file to comment out or disable this service.
7	Echo	TCP/UDP	Line Echo Port Archaic port that can be used as an attack vehicle. It is recommended that you edit the <code>/etc/inetd.conf</code> file to comment out or disable this service, or use SAM to disable this service.
9	Discard	TCP/UDP	Character Discard Port, also called Sink or Null Archaic port that can be used as an attack vehicle. It is recommended that you edit the <code>/etc/inetd.conf</code> file to comment out or disable this service, or use SAM to disable this service.
11	systat	TCP	Active Users, also called users
13	Daytime	TCP/UDP	Report time of day as set on system. Archaic port that can be used as an attack vehicle. It is recommended that you edit the <code>/etc/inetd.conf</code> file to comment out or disable this service, or use SAM to disable this service.
17	qotd	TCP/UDP	Quote of the Day Archaic port that can be used as an attack vehicle. It is recommended that you edit the <code>/etc/inetd.conf</code> file to comment out or disable this service, or use SAM to disable this service.

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
19	chargen	TCP/UDP	Character Generator Archaic port that can be used as an attack vehicle. It is recommended that you edit the <code>/etc/inetd.conf</code> file to comment out or disable this service, or use SAM to disable this service.
20	ftp	TCP/UDP	File Transfer Protocol: Data
21	ftp	TCP/UDP	File Transfer Protocol: Control
22	ssh	TCP	HP-UX Secure Shell SSH uses this port by default. An administrator can configure SSH to use a different port.
23	telnet	TCP	Telnet
25	smtp	TCP	Simple Mail Transfer Protocol
37	time	TCP/UDP	Time Responds to a time request. If you use this service, it is recommended that you convert to the Network Time Protocol and use a secure server. If you want to disable this service, edit the <code>/etc/inetd.conf</code> file to comment out or disable this service, or use SAM to disable this service.
39	rlp	UDP	Resource Location Protocol
43	whois	TCP	Who Is, also called nickname
53	domain	TCP/UDP	Domain Name Service
67	bootpd	UDP	Bootstrap Protocol Server This service should function only if the server is a bootp server. If it is not, disable the service in the <code>/etc/inetd.conf</code> file.
68	bootpd	UDP	Bootstrap Protocol Client This service should function only if the server is a bootp server. If it is not, disable the service in the <code>/etc/inetd.conf</code> file.
69	tftpd	UDP	Trivial File Transfer Protocol Found on systems that have Ignite/UX installed. This service should function only if the host is being used as a tftp server. If you want to disable this service, edit the <code>/etc/inetd.conf</code> file.
77	rje	TCP	Private Remote Job Entry Service
79	finger	TCP	Finger

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
80	http	TCP/UDP	World Wide Web Hypertext Transfer Protocol Used by HP-UX Apache-Based Web Server
87	link	TCP	Private Terminal Link
88	kerberos5	TCP/UDP	Kerberos 5 kdc
95	supdup	TCP	
101	hostnames	TCP	NIC Host Name Server
102	tsap	TCP	ISO TSAP (part of ISODE). Used by OTS/9000 when RFC1006 configuration is enabled.
109	pop	TCP	Post Office Protocol Version 2
110	pop3	TCP	Post Office Protocol Version 3
111	portmap/sunrpc/ rpcbind	TCP/UDP	SUN Remote Procedure Call
113	ident	TCP	Authentication Service This service is used to identify which user owns which services. This service is unnecessary for general system use. To disable this service, edit the <code>/etc/inetd.conf</code> file to comment out or disable this service, or use SAM to disable this service.
115	sftp	TCP	Secure File Transfer Protocol
117	uucp-path	TCP	UUCP Path Service
119	nntp	TCP	Network News Transfer Protocol Not commonly found on HP-UX systems.
123	xntpd	UDP	Network Time Protocol Establishes relationships between servers. This service is not normally configured on HP-UX servers.
135	rpcd/dced	TCP	Distributed Computing Environment (DCE) based RPC
137	netbios_ns	TCP/UDP	NetBIOS Name Service The CIFS server uses this port. See the CIFS Server documentation for information about configuring security for this port.
138	netbios_dgm	TCP/UDP	NetBIOS Datagram Service The CIFS server uses this port. See the CIFS Server documentation for information about configuring security for this port.

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
139	netbios_ssn	TCP/UDP	NetBIOS Session Service The CIFS server uses this port. See the CIFS Server documentation for information about configuring security for this port.
143	imap	TCP	Internet Message Access Protocol (IMAP)
152	bftp	TCP	Background File Transfer Protocol
161	snmp	UDP	Simple Network Management Protocol
162	snmptrap	TCP/UDP	Simple Network Management Protocol Trap Handler See Port 161 for more information.
177	xdmcp	UDP	X-Windows Display Manager Control Protocol You can edit the <code>/etc/dt/config/Xaccess</code> file to allow or deny xdmcp access to the appropriate hosts.
179	bgp	TCP	Border Gateway Protocol
280		TCP	ServiceControl Manager 3.0 Used by ServiceControl Manager 3.0 for non-secure http requests.
371	albd	TCP/UDP	ClearCase Server Daemon Also known as the Atria Location Broker Daemon
381	CODA		HP OpenView default port for CODA To be obsoleted in 2004
382	OVPA	TCP	HP OpenView Connection port between DCE/NCS clients and OVPA rep_server
383	llbserver	TCP	HP OpenView BBC llbserver
389	LDAP	TCP	LDAP Directory
443	SSL	TCP	Secure Socket Layer Used by HP-UX Apache-Based Web Server
445	SMB	TCP	CIFS Internal Service
463	ppud	TCP	HP Pay Per Use (PPU) PPU uses this port for outbound traffic only.
500	isakmp	TCP/UDP	IPSec Key Management (ISAKMP)
512	exec/biff	TCP/UDP	Remote Execution
513	login	TCP	Remote Login

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
513	who	UDP	Remote Who and Uptime
514	shell	TCP	Remote Command, No Password Used
514	syslogd	UDP	Network System Logging
515	printer	TCP	Remote Print Spooling If the server is not used as a print server, disable this service in the <code>inetd.conf</code> file.
517	talk	UDP	Talk, Conversation
518	ntalk	UDP	New Talk, Conversation You can disable this service in the <code>inetd.conf</code> file.
520	route	UDP	Routing Information Protocol
520	efs	TCP	Extended File Name Server
521	RIPng	TCP/UDP	Route Information Protocol Next Generation RIPng is used with IPv6 only.
525	timed	UDP	Remote Clock Synchronization
526	tempo	TCP	New Date
530	courier	TCP	
531	conference	TCP	Chat
532	netnews	TCP	Read News
533	netwall	UDP	Emergency Broadcasting
540	uucp	TCP	Unix-to-Unix Copy Protocol (UUCP) Daemon
543-545	Kerberos	TCP	These ports are used by Kerberos authenticated service. See the individual port numbers for more details on the services used by each port. Also see Ports 750, 751, 760, 761, and 2105. If Kerberos security is not being used on the system, these ports can be disabled in the <code>/etc/inetd.conf</code> file.
543	klogin	TCP	Kerberos rlogin -kfall
544	kshell	TCP	Kerberos Remote Shell -kfall
545	ekshell	TCP	Kerberos Encrypted Remote Shell -kfall
556	remotefs	TCP	Brunhoff Remote Filesystem
570	lansrm	UDP	SRM/UX Server
623	IPMI	UDP	Service Processor IPMI LAN interface

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
636	LDAPS	TCP	SSL LDAP Directory
749	kerberos-adm	TCP	Kerberos admin/changepw
750	kerberos	TCP/UDP	Kerberos (server) -kfall
751	kerberos-cpw	TCP	Kerberos changepw
754	krb5_prop	TCP	Kerberos slave propagation
760	krbupdate	TCP	Kerberos Registration -kfall
761	kpasswd	TCP	Kerberos "passwd" -kfall
901	swat	TCP	SAMBA Web-based Admin Tool Used by the HP CIFS product (equivalent to the open source SAMBA product). If CIFS is not being used, this service can be disabled in the /etc/inetd.conf file.
903	ideafarm-catch	UDP	IDEAFARM-CATCH
987	DAServer	TCP	SQL Distributed Access
1023		UDP	
1024-49151	Registered Ports	n/a	Registered Ports are listed by the IANA. On most systems Registered Ports can be used by ordinary user processes or programs executed by ordinary users. Registered Ports are used in TCP (RFC793) to name the ends of logical connections that carry on long conversations. To provide services to unknown callers, a registered service contact port is defined. This list specifies the ports used by services as contact ports.
1067	instl_boots	UDP	Installation Bootstrap Protocol Server Part of the Ignite/UX service. You can disable this service in the inetd.conf file.
1068	instl_bootc	UDP	Installation Bootstrap Protocol Client Part of the Ignite/UX service. You can disable this service in the inetd.conf file.
1099			Java RMI registry port.
1110	nfsd-keepalive	UDP	Client Status Information
1110	nfsd-status	TCP	Cluster Status Information
1110	pdweb kcweb		Autostart feature of pdweb and kcweb
1111	msql	TCP	Mini SQL Database Server

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
1188	pdweb kcweb		On-Line Add or Replace (OL*) Manage slots and cards using OL*
1260	rlb	TCP	Remote Loopback Diagnostic
1402	isee	TCP	Event Management Service Listener for HP ISEE Predictive Support Services It is recommended that access to this port be restricted to the data center in which the server resides.
1476	clvm-cfg	TCP	HA LVM Configuration
1508	diagmond	TCP	Diagnostic System Manager
1521	tnlsnr	TCP	Oracle TNSLSNR for HP-UX Part of the Oracle database system. It is recommended that you secure this service with a password.
1527	scfkaport	UDP	CCSProxy Keep alive port.
1536	nft	TCP	NS Network File Transfer Used by Network Services on HP3000 systems
1537	vt	TCP	Virtual Terminal Used by Network Services on HP3000 systems
1538	rvt	TCP	Reverse Virtual Terminal Used by Network Services on HP3000 systems
1539	rpc	TCP	Remote Procedure Call Used by Network Services on HP3000 systems
1540	ptop	TCP	Process to Process Used by Network Services on HP3000 systems
1541			NetIPC Socket Name Registry Used by Network Services on HP3000 systems
1542		TCP	Remote Process Management Used by Network Services on HP3000 systems
1543		TCP	Loopback Test Used by Network Services on HP3000 systems
1553	sna-cs	TCP/UDP	SNAPplus2 Client/Server
1570	vta	TCP	Streams mode Virtual Terminal Used by Network Services on HP3000 systems
1591	ncpm-pm	UDP	NCPM Policy Manager

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
1604		TCP	Used by Concord eHealth software for fault management and performance history management. Registered for Citrix for the icabrowser.
1683	ncpm-hip	UDP	NCPM Host Information Provider
1686	cvmon	UDP	Clusterview cvmon-cvmap Communication
1691		UDP	Used by Concord eHealth software for fault management and performance history management.
1712	registrar	TCP/UDP	Resource Monitoring Service Part of the resource monitoring subsystem.
1744	ncpm-ft	UDP	NCPM File Transfer
1748	oracle-em1	TCP	Oracle Process Part of the Oracle snmp process, configured for the Oracle Enterprise Manager.
1754	oracle-em2	TCP	Oracle Process Part of the Oracle snmp process, configured for the Oracle Enterprise Manager.
1788	psmond	TCP/UDP	Predictive Monitor
1808	oracle-vp2	TCP	Oracle Used for communication between Performance Manager and Agent or Capacity Planner and Agent.
1809	oracle-vp1	TCP	Oracle Used for communication between Performance Manager and Agent or Capacity Planner and Agent.
1812	radius	UDP	RADIUS Protocol Used by the AAA RADIUS Server.
1813	radacct	UDP	RADIUS Protocol Used by the AAA RADIUS Server.
1889	pmlockd	TCP/UDP	SynerVision Locking Daemon
2049	nfsd	TCP/UDP	NFS Remote File System
2106	netdist	TCP	Update (1m) Network Distribution Service
2121	swagentd	TCP/UDP	HP Software Distributor Daemon Used for communication between systems for software installation, listing, or other sw commands.

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
2300	cvmmon	TCP	ClusterView Management Cluster Support
2301	acuxebin insightd	TCP	Configuration utility for SA5300 RAID controller
2367			ServiceControl Manager SCM RMI registry port.
2381	acuxebin insightd	TCP	Management utility for SA5300 RAID controller
2531	ito-e-gui	TCP	ITO Enterprise Java GUI
2560	rfa	TCP	Remote File Access Used by Network Services on HP3000 systems
2561	rdba	TCP	Remote Database Access Used by Network Services on HP3000 systems
2562		TCP	VT Lookup Server Used by Network Services on HP3000 systems
2563		TCP	PAD Support Server Used by Network Services on HP3000 systems
2564		TCP	NS Status Server Used by Network Services on HP3000 systems
2984	hpidsadmin	TCP	HP-UX Host Intrusion Detection System (IDS) Admin
2985	hpidsagent	TCP	HP-UX Host Intrusion Detection System (IDS) Agent
3200	sapdp00	TCP	SAP SAP software assigned port.
3275	samd	TCP	System Administration Manager Daemon
3300	sapgw00	TCP	SAP SAP software assigned port.
3384	hp-clic	TCP	Cluster Management Services
3384	hp-clic	UDP	Hardware Management
3600	sapmsES1	TCP	SAP SAP software assigned port.
4010	netview	TCP	Netview Management Used for communication with Netview event communications.

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
4020	netview	TCP	Netview Management Used for communication with Netview event communications.
4045	lockd	TCP/UDP	NFS Lock Manager
4070		TCP	
4080		TCP	
4672	rfa	TCP	NS Remote File Access
4789	veesm	TCP	HP VEE Service Manager
5060	sip	TCP	Session Initialization Port ISEE Web Configuration Port for HP ISEE Predictive Support Services.
5300	hacl-hb	TCP	ServiceGuard High Availability (HA) Cluster Heartbeat
5301	hacl-gs	TCP	ServiceGuard High Availability (HA) Cluster General Services
5302	hacl-cfg	TCP/UDP	ServiceGuard High Availability (HA) Cluster TCP/UDP Configuration
5303	hacl-probe	TCP/UDP	ServiceGuard High Availability (HA) Cluster TCP Probe
5304	hacl-local	TCP	ServiceGuard High Availability (HA) Cluster Commands
5305	hacl-test	TCP	ServiceGuard High Availability (HA) Cluster Test
5403	hpoms-ci-lstn	TCP	SAP Spooler Support
5404	hpoms-dps-lstn	TCP	SAP Spooler Support
5408	hacl-dlm	TCP	ServiceGuard High Availability (HA) Distributed Lock Manager
5555	omni	TCP	HP OpenView OMNIBACK-II Data Protector
5696	lanmgrx.osB	TCP	LAN Manager/X for B.00.00 OfficeShare
5707	r4-sna-cs	TCP	SNA Client/Server (up to Release 4.1) obsolete on HP-UX 11i v2
5708	SNaplus	UDP	SNA Logical Network A obsolete on HP-UX 11i v2

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
5709	r4-sna-ft	TCP	SNA File Transfer (up to Release 4.1) obsolete on HP-UX 11i v2
5710	hcservice	TCP	HP Cooperative Services
5800 + display number	X10_LI		X-Windows (obsolete) The X10_LI server for each display listens on this port range. Do not associate other services with this port range.
5900 + display number	X10_MI		X-Windows (obsolete) The X10_MI server for each display listens on this port range. Do not associate other services with this port range.
5988	CIM-XML	TCP	CIM-XML (http)
5989	CIM-XML	TCP	CIM-XML (https)
5999	grmd	TCP	Graphics Resource Manager
6000 + display number	X11	TCP/UDP	X-Windows The X11 server for each display listens on this port range. Do not associate other services with this port range. See ports in the 7000 range for more information about ports used by X-Windows.
6111	spc	TCP	Sub-Process Control
6112	dtspc	TCP	Desktop Subprocess Control Service Used to run CDE remote actions. To disable this service, comment out the corresponding line in the /etc/inetd.conf file.
6178	SrpSiteDaemon	TCP	acceSS7 Statistics Remote Site Query Daemon
6179	SrpCentralDaemon	TCP	acceSS7 Statistics Central Server Query Daemon
6444	scfmaestroport	UDP	CCSPoxy Maestro port to su.
6558	ha_dshost_06	TCP	HP-AIN Datastore Host service number 6.
6559	ha_dspeer_06	TCP	HP-AIN Datastore Peer service number 6.
6560	ha_dshb_06	TCP	HP-AIN Datastore FT port number 6.
6561	ha_dshost_07	TCP	HP-AIN Datastore Host service number 7.

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
6562	hadspeer_07	TCP	HP-AIN Datastore Peer service number 7.
6563	ha_dshb_07	TCP	HP-AIN Datastore FT port number 7.
6564	ha_dshost_08	TCP	HP-AIN Datastore Host service number 8.
6565	hadspeer_08	TCP	HP-AIN Datastore Peer service number 8.
6566	ha_dshb_08	TCP	HP-AIN Datastore FT port number 8.
6567	ha_dshost_09	TCP	HP-AIN Datastore Host service number 9.
6568	hadspeer_09	TCP	HP-AIN Datastore Peer service number 9.
6569	ha_dshb_09	TCP	HP-AIN Datastore FT port number 9.
6570	ha_dshost_10	TCP	HP-AIN Datastore Host service number 10.
6571	hadspeer_10	TCP	HP-AIN Datastore Peer service number 10.
6572	ha_dshb_10	TCP	HP-AIN Datastore FT port number 10.
6573	ha_dshost_01	TCP	HP-AIN Datastore Host service number 1.
6574	hadspeer_01	TCP	HP-AIN Datastore Peer service number 1.
6575	ha_dshb_01	TCP	HP-AIN Datastore FT port number 1.
6576	ha_dshost_02	TCP	HP-AIN Datastore Host service number 2.
6577	hadspeer_02	TCP	HP-AIN Datastore Peer service number 2.
6578	ha_dshb_02	TCP	HP-AIN Datastore FT port number 2.
6579	ha_dshost_03	TCP	HP-AIN Datastore Host service number 3.

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
6580	hadspeer_03	TCP	HP-AIN Datastore Peer service number 3.
6581	ha_dshb_03	TCP	HP-AIN Datastore FT port number 3.
6582	ha_dshost_04	TCP	HP-AIN Datastore Host service number 4.
6583	hadspeer_04	TCP	HP-AIN Datastore Peer service number 4.
6584	ha_dshb_04	TCP	HP-AIN Datastore FT port number 4.
6585	ha_dshost_05	TCP	HP-AIN Datastore Host service number 5.
6586	hadspeer_05	TCP	HP-AIN Datastore Peer service number 5.
6587	ha_dshb_05	TCP	HP-AIN Datastore FT port number 5.
6588	ha_mdx_1	TCP	HP-AIN MDX stack #1
6589	ha_mdxb_1	TCP	HP-AIN MDX stack #1 Fault tolerance access.
6590	ha_mdx_2	TCP	HP-AIN stack #2
6591	ha_mdxb_2	TCP	HP-AIN MDX stack #2 Fault tolerance access.
6592	ha_mdx_3	TCP	HP-AIN stack #3
6593	ha_mdxb_3	TCP	HP-AIN MDX stack #3 Fault tolerance access.
6594	ha_mdx_4	TCP	HP-AIN stack #4
6595	ha_mdxb_4	TCP	HP-AIN MDX stack #4 Fault tolerance access.
6596	ha_dshost	TCP	HP-AIN DataStore host service
6597	ha_dspeer	TCP	HP-AIN DataStore peer service
6598	ha_ftcb2	TCP	HP-AIN
6599	ha_ftc_1	TCP	HP-AIN
6600	ha_ftcmib_1	TCP	HP-AIN
6601	ha_ftcb_1	TCP	HP-AIN

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
6602	ha_ftchb2_1	TCP	HP-AIN
6603	ha_ftc_2	TCP	HP-AIN
6604	ha_ftcmib_2	TCP	HP-AIN
6605	ha_ftchb_2	TCP	HP-AIN
6606	ha_ftchb2_2	TCP	HP-AIN
6607	ha_ftc_3	TCP	HP-AIN
6608	ha_ftcmib_3	TCP	HP-AIN
6609	ha_ftchb_3	TCP	HP-AIN
6610	ha_ftchb2_3	TCP	HP-AIN
6611	ha_ftc_4	TCP	HP-AIN
6612	ha_ftcmib_4	TCP	HP-AIN
6613	ha_ftchb_4	TCP	HP-AIN
6614	ha_ftchb2_4	TCP	HP-AIN
6615	ha_tdx_1_1	TCP	HP-AIN
6616	ha_tdx_1_2	TCP	HP-AIN
6617	ha_tdx_1_3	TCP	HP-AIN
6618	ha_tdx_1_4	TCP	HP-AIN
6619	ha_tdx_2_1	TCP	HP-AIN
6620	ha_tdx_2_2	TCP	HP-AIN
6621	ha_tdx_2_3	TCP	HP-AIN
6622	ha_tdx_2_4	TCP	HP-AIN
6623	ha_tdx_3_1	TCP	HP-AIN
6624	ha_tdx_3_2	TCP	HP-AIN
6625	ha_tdx_3_3	TCP	HP-AIN
6626	ha_tdx_3_4	TCP	HP-AIN
6627	ha_tdx_4_1	TCP	HP-AIN
6628	ha_tdx_4_2	TCP	HP-AIN
6629	ha_tdx_4_3	TCP	HP-AIN
6630	ha_tdx_4_4	TCP	HP-AIN

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
6631	ha_ss7_5	TCP	HP-AIN ss7 stack #5
6632	ha_ss7hb_5	TCP	HP-AIN ss7 stack #5 fault tolerant access
6633	ha_ss7_6	TCP	HP-AIN ss7 stack #6
6634	ha_ss7hb_6	TCP	HP-AIN ss7 stack #6 fault tolerant access
6635	ha_ss7_7	TCP	HP-AIN ss7 stack #7
6636	ha_ss7hb_7	TCP	HP-AIN ss7 stack #7 fault tolerant access
6637	ha_ss7_8	TCP	HP-AIN ss7 stack #8
6638	ha_ss7hb_8	TCP	HP-AIN ss7 stack #8 fault tolerant access
6639	ha_ag_1	TCP	HP-AIN
6640	ha_ag_1	TCP	HP-AIN
6641	ha_ag_1	TCP	HP-AIN
6642	ha_ag_1	TCP	HP-AIN
6787	ha_hb_ag_1	TCP	HP-AIN
6643	ha_ss7gdi_1	TCP	HP-AIN
6644	ha_ss7gdi_2	TCP	HP-AIN
6645	ha_ss7gdi_3	TCP	HP-AIN
6646	ha_ss7gdi_4	TCP	HP-AIN
6647	ha_ss7_4	TCP	HP-AIN ss7 stack #4
6648	ha_ss7hb_4	TCP	HP-AIN ss7 stack #4 fault tolerant access
6649	ha_ss7whb_4	TCP	HP-AIN ss7 stack #4 waiter
6650	ha_ss7_L	TCP	HP-AIN ss7 loopback
6651	ha_ss7hb_L	TCP	HP-AIN ss7 loopback
6652	ha_ss7_1	TCP	HP-AIN ss7 dual stack
6653	ha_ss7hb_1	TCP	HP-AIN ss7 dual stack
6654	ha_ss7whb_1	TCP	HP-AIN ss7 dual stack
6655	ha_switcher_1	TCP	HP-AIN ss7 dual stack
6656	ha_ss7_2	TCP	HP-AIN ss7 dual stack
6657	ha_ss7hb_2	TCP	HP-AIN ss7 dual stack
6658	ha_ss7whb_2	TCP	HP-AIN ss7 dual stack

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
6659	ha_switcher_2	TCP	HP-AIN ss7 dual stack
6660	ha_ned	TCP	HP-AIN SCE Animation
6661	ha_tel	TCP	HP-AIN SCE Switch-Telephone comm.
6662	ha_tel2	TCP	HP-AIN Switch-Telephone comm.
6663	ha_ss7 ha_ss7_3	TCP	HP-AIN ss7 stack HP-AIN ss7 stack #3
6664	ha_ss7hb ha_ss7hb_3	TCP	HP-AIN ss7 stack fault tolerant access HP-AIN ss7 stack #3 fault tolerant access
6665	ha_ss7whb ha_ss7whb_3	TCP	HP-AIN ss7 stack waiter HP-AIN ss7 stack #3 waiter
6666	ha_switcherhb	TCP	HP-AIN ss7 switcher (for 2 simplex stacks)
6667	ha_evh	TCP	HP-AIN Event Handler
6668	ha_evhbb	TCP	HP-AIN Event Handler Heart Bit
6669	ha_ftc	TCP	HP-AIN Fault Tolerant Host Address
6670	ha_ftcmib	TCP	HP-AIN NM MIB Access to Manager Application
6671	ha_ftchb	TCP	HP-AIN Fault Tolerant Heart Bit
6672	ha_agtmib	TCP	HP-AIN NM MIB Agent External Access
6673	ha_subagtmib	TCP	HP-AIN Internal Binding to Process mibAgent
6674	ha_dklgmib	TCP	HP-AIN DiskLogger
6675	ha_ptlgmib	TCP	HP-AIN PrintLogger
6676	ha_alhmib	TCP	HP-AIN Alarm Handler
6677	ha_sleead1	TCP	HP-AIN Slee Hostname Address 1
6678	ha_sleead2	TCP	HP-AIN Slee Hostname Address 2
6679	ha_sleehb	TCP	HP-AIN Slee Heartbeat
6680	ha_sleemib	TCP	HP-AIN NM MIB access for Slee
6681	ha_smsdb	TCP	HP-AIN SMS-Slee Database Access
6682	ha_sms	TCP	HP-AIN SMS-Switch comm.
6683	ha_extchan	TCP	HP-AIN External Channel
6684	ha_agthb	TCP	HP-AIN MIB Agent Heartbeat
6685	ha_anim	TCP	HP-AIN SCE Editor Animation

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
6686	ha_telsim	TCP	HP-AIN
6687	ha_smsswitch	TCP	HP-AIN
6688	ned	TCP	HP-AIN
6689	ha_ss7gdi	TCP	HP-AIN
6690	ha_dbmaster_hb	TCP	HP-AIN Database Master Heartbeat
6691	ha_dbmaster_ad1	TCP	HP-AIN Database Master Hostname Address 1
6692	ha_dbmaster_ad2	TCP	HP-AIN Database Master Hostname Address 2
6693	ha_dbmaster_mib	TCP	HP-AIN Database Master MIB Port
6694	ha_subtleemib	TCP	HP-AIN Slee Master MIB Subagent
6695	ccsproxy_channel ha_sdk_1	TCP	CCSProxy Channel to Slee HP-AIN level2 SDK #1
6696	ha_ccsproxy_hb ha_sdk_2	TCP	CCSProxy to FTC Channel HP-AIN level2 SDK #2
6697	ha_ccsproxy_ad1 ha_sdk_3	TCP	CCSProxy to Peer CCSProxy Channel HP-AIN level2 SDK #3
6698	ha_sdk_4	TCP	HP-AIN level2 SDK #4
6700	ha_sleead1_1	TCP	HP-AIN Slee Hostname Address 1
6701	ha_sleead2_1	TCP	HP-AIN Slee Hostname Address 2
6702	ha_sleehb_1	TCP	HP-AIN Slee Heartbeat
6703	ha_sleemib_1	TCP	HP-AIN NM MIB Access for Slee
6704	ha_extchan_1	TCP	HP-AIN External Channel
6705	ha_anim_1	TCP	HP-AIN Animator Channel
6706	ha_sleead1_2	TCP	HP-AIN Slee Hostname Address 1
6707	ha_sleead2_2	TCP	HP-AIN Slee Hostname Address 2
6708	ha_sleehb_2	TCP	HP-AIN Slee Heartbeat 2
6709	ha_sleemib_2	TCP	HP-AIN NM MIB Access for Slee 2
6710	ha_extchan_2	TCP	HP-AIN External Channel
6711	ha_anim_2	TCP	HP-AIN Animator Channel
6712	ha_sleead1_3	TCP	HP-AIN Slee Hostname Address 1
6713	ha_sleead2_3	TCP	HP-AIN Slee Hostname Address 2

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
6714	ha_sleehb_3	TCP	HP-AIN Slee Heartbeat
6715	ha_sleemib_3	TCP	HP-AIN NM MIB Access for Slee
6716	ha_extchan_3	TCP	HP-AIN External Channel
6717	ha_anim_3	TCP	HP-AIN Animator Channel
6718	ha_sleead1_4	TCP	HP-AIN Slee Hostname Address 1
6719	ha_sleead2_4	TCP	HP-AIN Slee Hostname Address 2
6720	ha_sleehb_4	TCP	HP-AIN Slee Heartbeat
6721	ha_sleemib_4	TCP	HP-AIN NM MIB Access for Slee
6722	ha_extchan_4	TCP	HP-AIN External Channel
6723	ha_anim_4	TCP	HP-AIN Animator Channel
6724	ha_sleead1_5	TCP	HP-AIN Slee Hostname Address 1
6725	ha_sleead2_5	TCP	HP-AIN Slee Hostname Address 2
6726	ha_sleehb_5	TCP	HP-AIN Slee Heartbeat
6727	ha_sleemib_5	TCP	HP-AIN NM MIB Access for Slee
6728	ha_extchan_5	TCP	HP-AIN External Channel
6729	ha_anim_5	TCP	HP-AIN Animator Channel
6730	ha_sleead1_6	TCP	HP-AIN Slee Hostname Address 1
6731	ha_sleead2_6	TCP	HP-AIN Slee Hostname Address 2
6732	ha_sleehb_6	TCP	HP-AIN Slee Heartbeat
6733	ha_sleemib_6	TCP	HP-AIN NM MIB Access for Slee
6734	ha_extchan_6	TCP	HP-AIN External Channel
6735	ha_anim_6	TCP	HP-AIN Animator Channel
6736	ha_sleead1_7	TCP	HP-AIN Slee Hostname Address 1
6737	ha_sleead2_7	TCP	HP-AIN Slee Hostname Address 2
6738	ha_sleehb_7	TCP	HP-AIN Slee Heartbeat
6739	ha_sleemib_7	TCP	HP-AIN NM MIB Access for Slee
6740	ha_extchan_7	TCP	HP-AIN External Channel
6741	ha_anim_7	TCP	HP-AIN Animator Channel
6742	ha_sleead1_8	TCP	HP-AIN Slee Hostname Address 1

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
6743	ha_sleead2_8	TCP	HP-AIN Slee Hostname Address 2
6744	ha_sleehb_8	TCP	HP-AIN Slee Heartbeat
6745	ha_sleemib_8	TCP	HP-AIN NM MIB Access for Slee
6746	ha_extchan_8	TCP	HP-AIN External Channel
6747	ha_anim_8	TCP	HP-AIN Animator Channel
6748	ha_sleead1_9	TCP	HP-AIN Slee Hostname Address 1
6749	ha_sleead2_9	TCP	HP-AIN Slee Hostname Address 2
6750	ha_sleehb_9	TCP	HP-AIN Slee Heartbeat
6751	ha_sleemib_9	TCP	HP-AIN NM MIB Access for Slee
6752	ha_extchan_9	TCP	HP-AIN External Channel
6753	ha_anim_9	TCP	HP-AIN Animator Channel
6754	ha_sleead1_10	TCP	HP-AIN Slee Hostname Address 1
6755	ha_sleead2_10	TCP	HP-AIN Slee Hostname Address 2
6756	ha_sleehb_10	TCP	HP-AIN Slee Heartbeat
6757	ha_sleemib_10	TCP	HP-AIN NM MIB Access for Slee
6758	ha_extchan_10	TCP	HP-AIN External Channel
6759	ha_anim_10	TCP	HP-AIN Animator Channel
6760	ha_pluginad1	TCP	HP-AIN (for PIC)
6761	ha_pluginhb1	TCP	HP-AIN (for PIC)
6762	ha_pluginad2	TCP	HP-AIN (for PIC)
6763	ha_pluginhb2 ha_pins_ad1	TCP	HP-AIN (for PIC) PINS to PINS channel
6764	ha_pinshb	TCP	PINS to FTC channel
6768	accountingChannel	TCP	Billing Communication with Slee
6769	outAccounting	TCP	Billing Communication with Slee
6770	ha_billing_ad1	TCP	For billing host1 to host2 or host2 to host1
6771	ha_billinghb	TCP	For billing or Tester heartbeat to FTC
6772	ha_m3uax_1_1	TCP	HP-AIN M3UA EP 1 stack #1
6773	ha_m3uax_1_2	TCP	HP-AIN M3UA EP 2 stack #1

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
6774	ha_m3ua_ha_mgr_1	TCP	HP-AIN M3UA HA Manager stack #1
6775	ha_m3ua_ha_mgr_hb_1	TCP	HP-AIN M3UA HA Manager Heartbeat stack #1
6776	ha_m3uax_2_1	TCP	HP-AIN M3UA EP 1 stack #2
6777	ha_m3uax_2_2	TCP	HP-AIN M3UA EP 2 stack #2
6778	ha_m3ua_ha_mgr_2	TCP	HP-AIN M3UA HA Manager stack #2
6779	ha_m3ua_ha_mgr_hb_2	TCP	HP-AIN M3UA Manager Heartbeat stack #2
6780	ha_m3ua_lic_mgr_1	TCP	HP-AIN M3UA License Manager stack #1
6781	ha_m3ua_lic_mgr_hb_1	TCP	HP-AIN M3UA License Manager Heartbeat stack #1
6782	ha_m3ua_lic_mgr_2	TCP	HP-AIN M3UA License Manager stack #2
6783	ha_m3ua_lic_mgr_hb_2	TCP	HP-AIN M3UA License Manager Heartbeat stack #2
6784	ha_tdi_1 ha_hb_ag_1	TCP	HP-AIN TDi #1 HP-AIN
6785	ha_tdihb_1 ha_hb_ag_1	TCP	HP-AIN TDi #1 Fault Tolerant Access HP-AIN
6786	ha_tdi_2 ha_hb_ag_1	TCP	HP-AIN TDi #2 HP-AIN
6787	ha_tdihb_2 ha_hb_ag_1	TCP	HP-AIN TDi #2 Fault Tolerant Access HP-AIN
6788	ha_tdi_3	TCP	HP-AIN TDi #3
6789	ha_tdihb_3	TCP	HP-AIN TDi #3 Fault Tolerant Access
6790	ha_tdi_4	TCP	HP-AIN TDi #4
6791	ha_tdihb_4	TCP	HP-AIN TDi #4 Fault Tolerant Access
6800	web_dodutree_daemon	TCP	HP-AIN Perl Daemon Dodutree Interface
6868	desmevt	TCP	DE/ Service Monitor, Event Service
6874	pdclientd	TCP	Palladium Print Client Daemon
6875	pdeventd	TCP	Palladium Print Event Daemon

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
7000	X11	TCP	X-Windows The X11 font server listens on this port. Do not associate other services with this port. See port 6000 for more information about X-Windows ports.
7161	snmpdm	TCP	Simple Network Manage Protocol (SNMP) Daemon See port number 161 for more information.
7278	opcsvcterm	TCP	Service Engine Remote Access
7489	iasqlsvr	TCP	Information Access SQL Server
7815	recserv	TCP	SharedX Receiver Service Used to share an X-Windows display from another system. You can disable this service in the /etc/inetd.conf file.
8000	pins_cmd	UDP	PINS UDP Command Port
8005		TCP	Shutdown for HP-UX Tomcat-based Servlet Engine
8007	ajp12	TCP	ajp12 Connector
8008	warp	TCP	Tomcat Warp Connector
8009	ajp13	TCP	ajp13 Connector
8080	http	TCP	Tomcat HTTP 1.1 Connector
8081	http	TCP	HP-UX Tomcat-based Servlet Engine (HTTP 1.0)
8082	http	TCP	HP-UX Tomcat-based Servlet Engine configured as a proxy server
8443	https	TCP	HP-UX Tomcat-based Servlet Engine with SSL
8545	p7_c33upd	TCP	TSD acceSS7 Configuration Update RPC Server
8546	p7_c33	TCP	TSD acceSS7 Configuration RPC Server
8547	p7_c32	TCP	TSD acceSS7 Communications Status RPC Server
8548	p7_c35	TCP	TSD acceSS7 Communications Configuration RPC Server
8549	p7_g06	TCP	TSD acceSS7 Application Version Registration RPC Server
8550	p7_e30	TCP	TSD acceSS7 Event Manager RPC Server
8551	comms_normal	TCP	acceSS7 Normal Priority Messages
8552	comms_high	TCP	acceSS7 High Priority Messages

Table 1-1 (Continued)

Port/Port Range	Service/Application	Protocol	Description
8553	c34_main	UDP	acceSS7 Inter-Server Messages
8868	ftp-ftam	TCP	FTP->FTAM Gateway
9142	eusrv	TCP	eusrv Daemon
9610	prm_rmconf	TCP	Process Resource Manager Remote Configuration Daemon
9691	hp-wlmpar	TCP	HP-UX Workload Manager (WLM) Global Arbiter Daemon WLM global arbiter (wlmpard) listens for vPar client requests.
9692	hp-wlmcom	TCP	HP-UX Workload Manager (WLM) Reomote Monitoring Daemon WLM listens for remote client requests. New WLM feature not yet released.
9999	mcsemon	TCP	MC/System Environment Monitor
10000	console	TCP	MC/System Environment Console Multitplexor
10000	http/https	TCP	HP-UX Webmin-based Admin
12345	pic	TCP	HP-AIN for PIC
19410	hp-sco	TCP/UDP	HP SCO Port Number
19411	hp-sca	TCP/UDP	HP SCA Port Number
30453	ipsec_mgr		HP-UX IPSec
31766	actcp	TCP	ACT Call Processing Server
33434	traceroute	UDP	Traceroute
35100	erdb_svr	TCP	acceSS7 Statistics Central Database
35101	erdb_bck	TCP	acceSS7 Statistics Database Backup
35211	ito-e-gui-sec	TCP	ITO Enterprise Secure Java GUI
49152-65535	Dynamic or Private Ports	TCP	Dynamic and Private Ports are used by many applications for dynamic port assignments.
49152-65535	Dynamic or Private Ports	UDP	UDP ports in this range are often RPC ports.
50000		TCP	ServiceControl Manager 3.0 Used for secure https request traffic.
50005		TCP	ServiceControl Manager 3.0 Used for shutdown requests from the localhost.

2 Services

This chapter lists HP-UX and HP-UX application services alphabetically, and displays the ports and port ranges they use.

Services and Ports

The following table displays HP-UX services alphabetically, and lists the port, ports, and port ranges they use.

NOTE This guide contains only port numbers and port ranges used by HP-UX services and applications. For a complete list of standard networking port numbers, go to www.iana.org/assignments/port-numbers.

Table 2-1

Service	Port/Port Range	Protocol	Description
actcp	31766	TCP	ACT Call Processing Server
acuxebin	2301 2381	TCP	Configuration utility for SA5300 RAID controller
ajp12	8007	TCP	ajp12 Connector to HP Apache
ajp13	8009	TCP	ajp13 Connector to HP Apache
albd	371	TCP/UDP	ClearCase Server Daemon Also known as the Atria Location Broker Daemon
Apache	80		Apache Web Server
auth_LDAP	389		HP Apache 2.x
auth_LDAP stunnel	636		HP Apache 2.x
bftp	152	TCP	Background File Transfer Protocol
bgp	179	TCP	Border Gateway Protocol
biff (exec)	512	TCP/UDP	Remote Execution
bootpd	67-68	UDP	Bootstrap Protocol Server and Client These services should function only if the server is a bootp server. If it is not, disable the service in the <code>/etc/inetd.conf</code> file.
c34_main	8553	UDP	acceSS7 Inter-Server Messages
chargen	19	TCP/UDP	Character Generator Archaic port that can be used as an attack vehicle. It is recommended that you edit the <code>/etc/inetd.conf</code> file to comment out or disable this service, or use SAM to disable this service.
CIM-XML	5988	TCP	CIM-XML (http) WBEM cimserver

Table 2-1 (Continued)

Service	Port/Port Range	Protocol	Description
CIM-XML	5989	TCP	CIM-XML (https) WBEM cimserver
clvm-cfg	1476	TCP	HA LVM Configuration
comms_high	8552	TCP	acceSS7 High Priority Messages
comms_normal	8551	TCP	acceSS7 Normal Priority Messages
conference	531	TCP	Chat
console	10000	TCP	MC/System Environment Console Multiplexor
courier	530	TCP	
cvmmon	2300	TCP	ClusterView Management Cluster Support
cvmon	1686	UDP	Clusterview cvmon-cvmap Communication
DAServer	987	TCP	SQL Distributed Access
Daytime	13	TCP/UDP	Report time of day as set on system. Archaic port that can be used as an attack vehicle. It is recommended that you edit the <code>/etc/inetd.conf</code> to comment out or disable this service, or use SAM to disable this service.
dced/rpcd	135	TCP	Distributed Computing Environment (DCE) based RPC
desmevt	6868	TCP	DE/ Service Monitor, Event Service
diagmond	1508	TCP	Diagnostic System Manager
Discard	9	TCP/UDP	Character Discard Port, also called Sink or Null Archaic port that can be used as an attack vehicle. It is recommended that you edit the <code>/etc/inetd.conf</code> file to comment out or disable this service, or use SAM to disable this service.
domain	53	TCP/UDP	Domain Name Service
dtspc	6112	TCP	Desktop Subprocess Control Service Used to run CDE remote actions. To disable this service, comment out the corresponding line in the <code>/etc/inetd.conf</code> file.
Dynamic or Private Ports	49152-65535	TCP	Dynamic and Private Ports are used by many applications for dynamic port assignments.
Dynamic or Private Ports	49152-65535	UDP	UDP ports in this range are often RPC ports.

Table 2-1 (Continued)

Service	Port/Port Range	Protocol	Description
Echo	7	TCP/UDP	Line Echo Port Archaic port that can be used as an attack vehicle. It is recommended that you edit the <code>/etc/inetd.conf</code> file to comment out or disable this service, or use SAM to disable this service.
efs	520	TCP	Extended File Name Server
ekshell	545	TCP	Kerberos Encrypted Remote Shell -kfall
erdb_svr	35100	TCP	acceSS7 Statistics Central Database
erdb_bck	35101	TCP	acceSS7 Statistics Database Backup
eusrv	9142	TCP	eusrv Daemon
exec (biff)	512	TCP/UDP	Remote Execution
finger	79	TCP	Finger
ftp	20	TCP/UDP	File Transfer Protocol: Data
ftp	21	TCP/UDP	File Transfer Protocol: Control
ftp-ftam	8868	TCP	FTP->FTAM Gateway
Gryphon Tomcat	280, 50000, 50005		Gryphon Tomcat services
grmd	5999	TCP	Graphics Resource Manager
High Availability (HA) Cluster	5300-5305, 5408		ServiceGuard High Availability Cluster services
hacl-cfg	5302	TCP/UDP	High Availability (HA) Cluster TCP/UDP Configuration
hacl-dlm	5408	TCP	High Availability (HA) Distributed Lock Manager
hacl-gs	5301	TCP	High Availability (HA) Cluster General Services
hacl-hb	5300	TCP	High Availability (HA) Cluster Heartbeat
hacl-local	5304	TCP	High Availability (HA) Cluster Commands
hacl-probe	5303	TCP/UDP	High Availability (HA) Cluster TCP Probe
hacl-test	5305	TCP	High Availability (HA) Cluster Test
hcservices	5710	TCP	HP Cooperative Services
HP-AIN services	6558-6791, 6800, 12345	TCP	HP OpenCall product family, including primarily HP-AIN services

Table 2-1 (Continued)

Service	Port/Port Range	Protocol	Description
HP Apache	80, 389, 443, 636, 8005, 8009, 8081, 10000		
hp-clic	3384	TCP	Cluster Management Services
hp-clic	3384	UDP	Hardware Management
hpidsadmin	2984	TCP	HP-UX Host Intrusion Detection System (IDS) Admin
hpidsagent	2985	TCP	HP-UX Host Intrusion Detection System (IDS) Agent
hpoms-ci-lstn	5403	TCP	SAP Spooler Support
hpoms-dps-lstn	5404	TCP	SAP Spooler Support
HP OpenCall	1527, 6444, 6558-6791, 6800, 8000, 12345		HP OpenCall product family, including primarily HP-AIN services
HP OpenView	381-383	TCP	HP OpenView ports
HP OpenView Operations	2531, 7278, 35211	TCP	HP OpenView Operations ITO Enterprise Java and Secure Java GUI and Service engine
hp-sco	19410	TCP/UDP	HP SCO Port Number
hp-sca	19411	TCP/UDP	HP SCA Port Number
hp-wlmpar	9691	TCP	HP-UX Workload Manager (WLM) WLM global arbiter (wlmpard) listens for vPar client requests.
hp-wlmcom	9692	TCP	HP-UX Workload Manager (WLM) WLM listens for remote client requests. New WLM feature not yet released.
http	80	TCP/UDP	World Wide Web Hypertext Transfer Protocol; used by HP-UX Apache
http	8081	TCP	HP-UX Tomcat-based Servlet Engine
http	8082	TCP	HP-UX Tomcat-based Servlet Engine configured as a proxy server
http/https	10000	TCP	HP-UX Webmin-based Admin
https	443	TCP	Secure Socket Layer (SSL); used by HP-UX Apache Web Server
https	8443	TCP	HP-UX Tomcat-based Servlet Engine with SSL

Table 2-1 (Continued)

Service	Port/Port Range	Protocol	Description
hostnames	101	TCP	NIC Host Name Server
iasqlsvr	7489	TCP	Information Access SQL Server
ident	113	TCP	Authentication Service This service is used to identify which user owns which services. This service is unnecessary for general system use. To disable this service, edit the <code>/etc/inetd.conf</code> file to comment out or disable this service, or use SAM to disable this service.
imap	143	TCP	IMAP
insightd	2301 2381	TCP	Configuration utility for SA5300 RAID controller
instl_bootc	1068	UDP	Installation Bootstrap Protocol Client Part of the Ignite/UX service. You can disable this service in the <code>/etc/inetd.conf</code> file.
instl_boots	1067	UDP	Installation Bootstrap Protocol Server Part of the Ignite/UX service. You can disable this service in the <code>/etc/inetd.conf</code> file.
IPMI	623	UDP	Service Processor IPMI LAN interface
ipsec_mgr	30453		HP-UX IPsec
isakmp	500	TCP/UDP	IPsec Key Management (ISAKMP)
isee	1402	TCP	Event Management Service Listener for HP ISEE Predictive Support Services It is recommended that access to this port be restricted to the data center in which the server resides.
ito-e-gui	2531	TCP	ITO Enterprise Java GUI
ito-e-gui-sec	35211	TCP	ITO Enterprise Secure Java GUI
Kerberos Services	88, 543-545, 749-751, 754, 760-761, 2105	TCP	These ports are used by Kerberos authenticated service. See the individual Kerberos services below for more details on the services used by each port. If Kerberos security is not being used on the system, these ports can be disabled in the <code>/etc/inetd.conf</code> file.
kerberos	750	TCP/UDP	Kerberos (server) -kfall
kerberos5	88	TCP/UDP	Kerberos 5 kdc
kerberos-adm	749	TCP	Kerberos admin/changepw
kerberos-cpw	751	TCP	Kerberos changepw

Table 2-1 (Continued)

Service	Port/Port Range	Protocol	Description
kcweb	1110, 1188		On-Line (OL*) Autostart feature Manage slots and cards using OL*
klogin	543	TCP	Kerberos rlogin -kfall
kpasswd	761	TCP	Kerberos "passwd" -kfall
krb5_prop	754	TCP	Kerberos slave propagation
krbupdate	760	TCP	Kerberos Registration -kfall
kshell	544	TCP	Kerberos Remote Shell -kfall
lanmgrx.osB	5696	TCP	LAN Manager/X for B.00.00 OfficeShare
lansrm	570	UDP	SRM/UX Server
LDAP	389	TCP	LDAP Directory
LDAPS	636	TCP	SSL LDAP Directory
link	87	TCP	Private Terminal Link
lockd	4045	TCP/UDP	NFS Lock Manager
login	513	TCP	Remote Login
mcsemon	9999	TCP	MC/System Environment Monitor
msql	1111	TCP	Mini SQL Database Server
NCPM	1591, 1683, 1744	UDP	NCPM
ncpm-ft	1744	UDP	NCPM File Transfer
ncpm-hip	1683	UDP	NCPM Host Information Provider
ncpm-pm	1591	UDP	NCPM Policy Manager
netbios_ns	137	TCP/UDP	NetBIOS Name Service The CIFS server uses this port. See the CIFS Server documentation referred to in Chapter 3, "Additional Information," on page 39for information about configuring security for this port.
netbios_dgm	138	TCP/UDP	NetBIOS Datagram Service The CIFS server uses this port. See the CIFS Server [hotlink to documentation chapter] documentation for information about configuring security for this port.

Table 2-1 (Continued)

Service	Port/Port Range	Protocol	Description
netbios_ssn	139	TCP/UDP	NetBIOS Session Service The CIFS server uses this port. See the CIFS Server documentation in Chapter 3, "Additional Information," on page 39 for information about configuring security for this port.
netdist	2106	TCP	Update (1m) Network Distribution Service
netnews	532	TCP	Read News
netview	4010	TCP	Netview Management Used for communication with Netview event communications.
netview	4020	TCP	Netview Management Used for communication with Netview event communications.
netwall	533	UDP	Emergency Broadcasting
nfsd	2049	TCP/UDP	NFS Remote File System
nfsd-keepalive	1110	UDP	Client Status Information
nfsd-status	1110	TCP	Cluster Status Information
nft	1536	TCP	NS Network File Transfer
nntp	119	TCP	Network News Transfer Protocol Not commonly found on HP-UX systems.
Network Services	1536-1543, 1570, 2560-2564		Used by Network Services on HP3000 systems.
ntalk	518	UDP	New Talk, Conversation You can disable this service in the <code>/etc/inetd.conf</code> file.
omni	5555	TCP	OMNIBACK-II Data Protector Cell
opcsvcterm	7278	TCP	Service Engine Remote Access HP OpenView
Oracle	1748, 1754, 1808-1809	TCP	Oracle Applications and Processes Ports used by Oracle database applications and processes. See individual oracle processes and application services for more information.
oracle-em1	1748	TCP	Oracle Process Part of the Oracle snmp process, configured for the Oracle Enterprise Manager.

Table 2-1 (Continued)

Service	Port/Port Range	Protocol	Description
oracle-em2	1754	TCP	Oracle Process Part of the Oracle snmp process, configured for the Oracle Enterprise Manager.
oracle-vp1	1809	TCP	Oracle Used for communication between Performance Manager and Agent or Capacity Planner and Agent.
oracle-vp2	1808	TCP	Oracle Used for communication between Performance Manager and Agent or Capacity Planner and Agent.
p7_c33upd	8545	TCP	TSD acceSS7 Configuration Update RPC Server
p7_c33	8546	TCP	TSD acceSS7 Configuration RPC Server
p7_c32	8547	TCP	TSD acceSS7 Communications Status RPC Server
p7_c35	8548	TCP	TSD acceSS7 Communications Configuration RPC Server
p7_g06	8549	TCP	TSD acceSS7 Application Version Registration RPC Server
p7_e30	8550	TCP	TSD acceSS7 Event Manager RPC Server
pdclientd	6874	TCP	Palladium Print Client Daemon
pdeventd	6875	TCP	Palladium Print Event Daemon
pdweb	1110, 1188		On-Line Add or Replace(OL*) Autostart feature Manage slots and cards using OL*
pmlockd	1889	TCP/UDP	SynerVision Locking Daemon
pop	109	TCP	Post Office Protocol Version 2
pop3	110	TCP	Post Office Protocol Version 3
portmap	111	TCP/UDP	SUN Remote Procedure Call
ppud	463	TCP	HP Pay Per Use (PPU) PPU uses this port for outbound traffic only.
printer	515	TCP	Remote Print Spooling If the server is not used as a print server, disable this service in the <code>/etc/inetd.conf</code> file.
prm_rmconf	9610	TCP	Process Resource Manager Remote Configuration Daemon
psmond	1788	TCP/UDP	Predictive Monitor
pvalarm	383	TCP	PerfView Alarm Management See Port 382 for more information.

Table 2-1 (Continued)

Service	Port/Port Range	Protocol	Description
pvserv	382	TCP	PerfView Server
qotd	17	TCP/UDP	Quote of the Day Archaic port that can be used as an attack vehicle. It is recommended that you edit the <code>/etc/inetd.conf</code> file to comment out or disable this service, or use SAM to disable this service.
r4-sna-cs	5707	TCP	SNA Client/Server (up to Release 4.1) obsolete on HP-UX 11i v2
r4-sna-ft	5709	TCP	SNA File Transfer (up to Release 4.1) obsolete on HP-UX 11i v2
radacct	1813	UDP	RADIUS Protocol Used by the AAA RADIUS Server. See Chapter 3, "Additional Information," on page 39 for references to AAA RADIUS documentation.
radius	1812	UDP	RADIUS Protocol Used by the AAA RADIUS Server. See Chapter 3, "Additional Information," on page 39 for references to AAA RADIUS documentation.
recserv	7815	TCP	SharedX Receiver Service Used to share an X-Windows display from another system. You can disable this service in the <code>/etc/inetd.conf</code> file.
Registered Ports	1024-49151	n/a	Registered Ports are listed by the IANA. On most systems Registered Ports can be used by ordinary user processes or programs executed by ordinary users. Registered Ports are used in TCP (RFC793) to name the ends of logical connections that carry on long conversations. To provide services to unknown callers, a registered service contact port is defined. This list specifies the ports used by services as contact ports.
registrar	1712	TCP/UDP	Resource Monitoring Service Part of the resource monitoring subsystem.
remotefs	556	TCP	Brunhoff Remote Filesystem
rfa	4672	TCP	NS Remote File Access
RIPng	521	TCP/UDP	Route Information Protocol Next Generation RIPng is used with IPv6 only.
rje	5	TCP/UDP	Remote Job Entry Service Not common on HP-UX. You can edit the <code>/etc/inetd.conf</code> file to comment out or disable this service.

Table 2-1 (Continued)

Service	Port/Port Range	Protocol	Description
rje	77	TCP	Private Remote Job Entry Service
rlb	1260	TCP	Remote Loopback Diagnostic
rlp	39	UDP	Resource Location Protocol
route	520	UDP	Routing Information Protocol
ideafarm-catch	903	UDP	IDEAFARM-CATCH
rpcd	135	TCP	Distributed Computing Environment (DCE) based RPC
rpcbind	111		rpcbind
SA5300 RAID controller	2301 2381	TCP	Configuration and Management utilities for the SA5300 RAID controller
samd	3275	TCP	System Administration Manager Daemon
SAP	3200, 3300, 3600	TCP	SAP software assigned ports.
sapdp00	3200	TCP	SAP SAP software assigned port.
sapgw00	3300	TCP	SAP SAP software assigned port.
sapmsES1	3600	TCP	SAP SAP software assigned port.
SCM	280, 50000, 50005	TCP	ServiceControl Manager 3.0 Used by ServiceControl Manager 3.0 for non-secure http requests.
ServiceGuard	5300-5305, 5408		ServiceGuard High Availability Cluster services
sftp	115	TCP	Secure File Transfer Protocol
shell	514	TCP	Remote Command, No Password Used
sip	5060	TCP	Session Initialization Port ISEE Web Configuration Port for HP ISEE Predictive Support Services.
SMB	445	TCP	CIFS Internal Service
smtp	25	TCP	Simple Mail Transfer Protocol
SNA	1553, 5707-5709	TCP/UDP	SNAPplus2
sna-cs	1553	TCP/UDP	SNAPplus Client/Server

Table 2-1 (Continued)

Service	Port/Port Range	Protocol	Description
SNAPplus	5708	UDP	SNA Logical Network (up to Release 4.1) obsolete for HP-UX 11i v2
snmp	161	UDP	Simple Network Management Protocol
snmpdm	7161	TCP	Simple Network Manage Protocol (SNMP) Daemon See port 161 for more information.
snmptrap	162	TCP/UDP	Simple Network Management Protocol Trap Handler See Port 161 for more information.
spc	6111	TCP	Sub-Process Control
SrpSiteDaemon	6178	TCP	acceSS7 Statistics Remote Site Query Daemon
SrpCentralDaemon	6179	TCP	acceSS7 Statistics Central Server Query Daemon
ssh	22	TCP	HP-UX Secure Shell SSH uses this port by default. An administrator can configure SSH to use a different port.
SSL	443	TCP	HP Apache Secure Socket Layer (SSL)
sunrpc	111	TCP/UDP	SUN Remote Procedure Call
supdup	95	TCP	
swagentd	2121	TCP/UDP	HP Software Distributor Daemon Used for communication between systems for software installation, listing, or other sw commands.
swat	901	TCP	SAMBA Web-based Admin Tool Used by the HP CIFS product (equivalent to the open source SAMBA product). If CIFS is not being used, this service can be disabled in the <code>/etc/inetd.conf</code> file.
syslogd	514	UDP	Network System Logging
systat	11	TCP	Active Users, also called users
talk	517	UDP	Talk, Conversation
tempo	526	TCP	New Date
tftpd	69	UDP	Trivial File Transfer Protocol Found on systems that have Ignite/UX installed. This service should function only if the host is being used as a tftp server. If you want to disable this service, edit the <code>/etc/inetd.conf</code> file.

Table 2-1 (Continued)

Service	Port/Port Range	Protocol	Description
tcpmux	1	TCP	TCP port service multiplexer Not common on HP-UX. You can edit the <code>/etc/inetd.conf</code> file to comment out or disable this service.
time	37	TCP/UDP	Time Responds to a time request. If you use this service, it is recommended that you convert to the Network Time Protocol and use a secure server. If you want to disable this service, edit the <code>/etc/inetd.conf</code> file to comment out or disable this service, or use SAM to disable this service.
timed	525	UDP	Remote Clock Synchronization
tnlsnr	1521	TCP	Oracle TNSLSNR for HP-UX Part of the Oracle database system. It is recommended that you secure this service with a password.
Tomcat	8005, 8008, 8009, 8080, 8081		Tomcat services
Tomcat -based Servlet Engine	8081	TCP	HP-UX Tomcat-based Servlet Engine (HTTP 1.0)
Tomcat HTTP Connector	8080		HTTP Connector
Tomcat Warp Connector	8008		Tomcat Warp Connector
traceroute	33434	UDP	Traceroute
tsap	102	TCP	ISO TSAP (part of ISODE). Used by OTS/9000 when RFC1006 configuration is enabled.
TSD acceSS7	8545-8550	TCP	
uucp	540	TCP	uucp Daemon
uucp-path	117	TCP	UUCP Path Service
veesm	4789	TCP	HP VEE Service Manager
Webmin	10000		HP Apache Webmin configuration tool
Well-known ports	0-1023	n/a	Well Known Ports are assigned by the IANA. These ports can only be used by system or root processes, or by applications executed by privileged users.
who	513	UDP	Remote Who and Uptime

Table 2-1 (Continued)

Service	Port/Port Range	Protocol	Description
whois	43	TCP	Who Is, also called nickname
X10_LI	5800 + display number		X-Windows (obsolete) The X10_LI server for each display listens on this port range. Do not associate other services with this port range.
X10_MI	5900 + display number		X-Windows (obsolete) The X10_MI server for each display listens on this port range. Do not associate other services with this port range.
X11	6000 + display number	TCP/UDP	X-Windows The X11 server for each display listens on this port range. Do not associate other services with this port range. See ports in the 7000 range for more information about ports used by X-Windows.
X11	7000	TCP	X-Windows The X11 font server listens on this port. Do not associate other services with this port. See port 6000 for more information about X-Windows ports.
xdmcp	177	UDP	X-Windows Display Manager Control Protocol You can edit the <code>/etc/dt/config/Xaccess</code> file to allow or deny xdmcp access to the appropriate hosts.
xntpd	123	UDP	Network Time Protocol Establishes relationships between servers. This service is not normally configured on HP-UX servers.

3 Additional Information

This chapter contains references to documentation for products that use ports and port ranges as described in Chapter 2 and Chapter 3.

Related Product Documentation

The following products use networking ports or port ranges, or are used for security and can protect ports and port ranges. Refer to the individual product documentation for more information about how each product uses ports or protects ports.

Table 3-1 Products and Documentation Resources

Product Name	Used For	Documentation
Bastille	Network Security	User's Guide bundled with product Managing Systems and Workgroups, Chapter 8
CIFS/9000	Network Communications	Installing and Administering the CIFS/9000 Server http://docs.hp.com/hpux/netcom/index.html#CIFS/9000
HP Apache-based Web Server for HP-UX	Web Server and Services	Technical Tips, Migration Guides, Online Documentation bundled with product http://docs.hp.com/hpux/internet/index.html#HP%20Apache-based%20Web%20Server%20for%20HP-UX
HP DCE	Distributed Computing	Planning and Configuring HP DCE http://docs.hp.com/hpux/dev/index.html#DCE
HP-UX AAA Server (RADIUS)	Network Security	http://docs.hp.com/hpux/internet/index.html#HP-UX%20AAA%20Server%20(RADIUS)
HP-UX Host Intrusion Detection System (HP-UX HIDS)	Network Security	HP-UX Host Intrusion Detection System Administration Guide
HP-UX IPFilter	System/Network Security	Installing and Administering HP-UX IPFilter http://docs.hp.com/hpux/internet/index.html#IPFilter/9000
HP-UX IPSec	System/Network Security	HP-UX IPSec Administrator's Guide http://docs.hp.com/hpux/internet/index.html#IPSec/9000
HP OpenView	Network Management	http://docs.hp.com/hpux/netsys/index.html
HP OpenCall	Telecom Carrier-Grade Platform	http://docs.hp.com/hpux/telecom/index.html
HP-UX Secure Shell	Network Security	HP-UX Secure Shell Release Note http://docs.hp.com/hpux/internet/index.html#HP-UX%20Secure%20Shell
Kerberos	Security	http://docs.hp.com/hpux/internet/index.html#Kerberos
OL* via pdweb	Manage slots and cards using OL*	Interface Card OL* Support Guide

Table 3-1 Products and Documentation Resources (Continued)

Product Name	Used For	Documentation
Pay Per Use (PPU)	Network Connection Management	Pay Per Use User's Guide http://docs.hp.com
Servicecontrol Manager (SCM)	Network Management	http://docs.hp.com/hpux/netsys/index.html#Servicecontrol%20Manager
ServiceGuard	High Availability	http://docs.hp.com/hpux/ha/index.html#ServiceGuard
SNAPplus2	Network Communication Management	http://docs.hp.com/hpux/netcom/index.html#SNAPplus2

