

VMWare Cheat Sheet



Improve productivity

VMWare Log Location - Logs: All logs in /var/log. View host logs via:

DCUI > ESXi Shell > Extract vm-support bundle > http://hostname/host > vCLI vifs > vSphere Client connected to host

auth.log ESXi Shell authentication
esxupdate.log ESXi patches/updates
fdm.log HA logs
hostd.log Host management (VM & host events; Client, vpxa, SDK connections)
shell.log ESXi Shell usage (enable/disable & commands)
sysboot.log VMkernel & module startup

syslog.log Management service initialization, watchdogs, scheduled tasks, DCUI
vmkernel.log Core VMkernel logs (devices, storage/network device/driver events & VM startup)
vmkwarning.log VMkernel warnings & alerts
vmksummary.log ESXi startup/shutdown, uptime, VMs running, service usage
vpxa.log vCenter vpxa agent

VMWare: Vcentre 6.0 Firewall Ports

Port	Protocol	Source	Target	Purpose
22	TCP/UDP	vCenter Server	SSH Client	System port for SSHD
80	TCP	Client PC	vCenter Server	Redirect to HTTPS
88	TCP	vCenter Server	Active Directory Server	VMware key distribution center port
389	TCP/UDP	vCenter Server	Linked vCenter Servers	LDAP Authentication
443	TCP	vSphere Web Client	vCenter Server	Listen for connections from the vSphere Web Client
514	UDP	Syslog Collector	Syslog Collector	vSphere Syslog Collector port
636	TCP	Platform Service Controller	Management Nodes	SSL port of the local instance
902	TCP/UDP	vCenter Server	ESXi 5.x	Used to send data to managed hosts
10080	TCP	vCenter Server	Inventory Service	Inventory Service HTTP
1514	TCP/UDP	Syslog Collector	Syslog Collector	Syslog Collector TLS port
2020	TCP/UDP	vCenter Server	vCenter Server	Authentication framework management
6500	TCP/UDP	vCenter Server	ESXi host	ESXi Dump Collector port
6501	TCP	Auto Deploy service	ESXi Host	Auto Deploy service
6502	TCP	Auto Deploy Manager	vSphere Client	Auto Deploy management
7444	TCP			Secure Token Service
9443	TCP	vSphere Web Client Server	vSphere Web Client	vSphere Web Client HTTPS
11711	TCP	vCenter Single Sign-On	vCenter Single Sign-On	VMware Directory service (vmdir) LDAP
11712	TCP	vCenter Single Sign-On	vCenter Single Sign-On	VMware Directory service (vmdir) LDAPS

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VMWare: ESXi 6.x Firewall Ports

Port	Protocol	Source	Target	Purpose
9	UDP	vCenter Server	Virtual Volumes	Used by the Virtual Volumes feature
22	TCP	SSH Client	ESXi Host	Required for SSH access
53	UDP	ESXi Host	DNS Server	DNS client
68	UDP	DHCP Server	ESXi Host	DHCP client for IPv4
80	TCP	Web Browser	ESXi Host	Welcome page, with download links for different interfaces
161	UDP	SNMP Server	ESXi Host	Allows the host to connect to an SNMP server
427	TCP/UDP	CIM Server	ESXi Host	Service Location Protocol to find CIM servers
443	TCP	vSphere Web Client	ESXi Host	Client connections
546	TCP/UDP	DHCP Server	ESXi Host	DHCP client for IPv6
547	TCP/UDP	ESXi Host	DHCP Server	DHCP client for IPv6
902	TCP/UDP	VMware vCenter Agent	ESXi Host	vCenter Server agent
2233	TCP	ESXi Host	Virtual SAN Transport	Used for RDT traffic between Virtual SAN nodes
3260	TCP	ESXi Host	Software iSCSI Client	Supports software iSCSI
5671	TCP	ESXi Host	rabbitmqproxy	A proxy that allows communication to the AMQP brokers
59,888,889	TCP	CIM Server	ESXi Host	Server for CIM (Common Information Model)
5989	TCP	CIM Secure Server	ESXi Host	Secure server for CIM
6999	UDP	NSX Distributed Logical Router Service	ESXi Host	NSX Virtual Distributed Router service
8000	TCP	ESXi Host	ESXi Host	vMotion
8080	TCP	vsanvp	ESXi Host	VSAN VASA Vendor Provider
810,082,008,300	TCP/UDP	Fault Tolerance	ESXi Host	Traffic between hosts for vSphere Fault Tolerance (FT)
83,018,302	UDP	DVSSync	ESXi Host	DVSSync ports
12345, 23451	UDP	ESXi Host	Virtual SAN Clustering	Cluster Monitoring, Membership, and Directory Service used by Virtual SAN
44046, 31031	TCP	ESXi Host	HBR	Used for ongoing replication traffic

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