
UNIX Command Equivalents Reference Card

HP TCP/IP Services for OpenVMS UNIX Command Equivalents Reference Card

This reference card contains some commonly used TCP/IP network management commands and their corresponding HP Tru64 UNIX command formats.

The TCP/IP management commands and qualifiers are a subset of the Tru64 UNIX network commands. Therefore, not all Tru64 UNIX command options have a corresponding TCP/IP management command.

TCP/IP Command	UNIX Command	Description
<i>ARP information</i>		
SHOW ARP	<code>netstat -"H"n¹</code>	Displays all ARP entries. ²
SHOW ARP	<code>arp -a [-u] [-n]</code>	Displays all ARP entries.
SHOW ARP <i>hostname</i>	<code>arp hostname</code>	Displays all ARP entries for the host. ²
SET ARP <i>hardware_addr host</i>	<code>arp -s host hardware_addr[params]</code>	Adds an ARP entry.
SET NOARP <i>host</i>	<code>arp -d host</code>	Removes an ARP entry.
<i>Interface information</i>		
SHOW INTERFACE	<code>ifconfig -a [-d] [-u] [-v] [-f <i>addr_family</i>]</code>	Displays information for all interfaces.
SHOW INTERFACE	<code>netstat -i</code>	Displays information for all configured interfaces.
SHOW INTERFACE <i>interface_name</i> /FULL	<code>netstat -I <i>interface</i></code>	Displays current status of the specified interface.
No Equivalent	<code>netstat -"A"¹</code>	Displays socket information.

¹ Use quotation marks to preserve the case of uppercase options.

² Displays the same information for both the Tru64 UNIX and the TCP/IP versions of the command.

TCP/IP Command	UNIX Command	Description
<i>Interface information (continued)</i>		
SHOW INTERFACE <i>interface_id</i> [/FULL]	<code>ifconfig <i>interface_id</i></code>	Displays interface information.
SET INTERFACE <i>interface_id</i> /HOST= <i>host</i> /NETWORK_MASK= <i>mask</i>	<code>ifconfig <i>interface_id</i> [<i>address_family</i>] <i>address</i>[/bitmask]</code>	Sets the primary interface address.
No Equivalent	<code>ifconfig <i>interface_id</i> [<i>address_family</i>] <i>alias addr</i>[/mask]</code>	Adds an alias interface address.
SET NOINTERFACE <i>interface_id</i>	<code>ifconfig <i>interface_id</i> [<i>address_family</i>]-<i>alias</i> <i>alias_address</i></code>	Removes an alias interface address.
SET NOINTERFACE <i>interface_id</i> /HOST= <i>host</i> [/NETWORK_MASK= <i>mask</i>]	<code>ifconfig <i>interface_id</i> [<i>address_family</i>]-aliaslist <i>alias_list/bitmask</i></code>	Removes a list of interface aliases.
No Equivalent	<code>ifconfig <i>interface_id</i> <i>param=value</i></code>	Modifies interface parameters.
<i>Active sockets information</i>		
SHOW DEVICE_SOCKET	<code>netstat -a</code>	Displays active and inactive sockets.
SHOW DEVICE BGxxxx[/FULL]	No Equivalent	Displays information for a particular socket.

TCP/IP Command	UNIX Command	Description
<i>Memory information</i>		
SHOW COMMUNICATION /MEMORY	netstat -m	Displays memory usage.
<i>Route information</i>		
SHOW ROUTE [/FULL]	netstat -r	Displays all routes. ²
SHOW ROUTE <i>destination-host</i>	No Equivalent	Displays the route to a destination.
SHOW ROUTE/GATEWAY= <i>host</i>	No Equivalent	Displays the route to a gateway.
No Equivalent	netstat -r -f <i>address_family</i>	Displays the route for an address family.
No Equivalent	netstat -rs	Displays route statistics.
No Equivalent	netstat -rv	Displays routes with metric values.
SET ROUTE <i>destination</i> [/NETWORK] [/MASK= <i>mask-length</i>] /GATEWAY= <i>host</i>	route add -net -host <i>destination_address</i> /bitmask <i>gateway_addr</i>	Adds a route to a host.

² Displays the same information for both the Tru64 UNIX and the TCP/IP versions of the command.

TCP/IP Command	UNIX Command	Description
<i>Route information (continued)</i>		
SET NOROUTE <i>destination</i> [/GATEWAY= <i>host</i>]	route delete -net -host [<i>destination-gateway</i>]	Removes a route to a host.
No Equivalent	route [-nqv] change [-net -host] [<i>address_family</i>] <i>destination-gateway</i> [-link]	Changes route information.
<i>Protocol information</i>		
SHOW PROTOCOL	netstat -s	Displays statistics for all protocols.
SHOW PROTOCOL <i>protocol_id</i>	netstat -i -p <i>protocol_id</i>	Displays protocol statistics for a specific protocol. ²
No Equivalent	netstat -I <i>interface</i> -z	Zeroes protocol statistics for the specified interface.
SHOW PROTOCOL IP/PARAMETERS	No Equivalent	Shows parameter settings for the IP protocol.
SHOW PROTOCOL UDP/PARAMETERS	No Equivalent	Shows parameter settings for the UDP protocol.
SHOW PROTOCOL TCP/PARAMETERS	No Equivalent	Shows parameter settings for the TCP protocol.
SHOW PROTOCOL ICMP/PARAMETERS	No Equivalent	Shows parameter settings for the ICMP protocol.
No Equivalent	sysconfig -c <i>attr=value</i> ...	Configures subsystems.
No Equivalent	sysconfig -q <i>subsystem</i>	Shows information about a subsystem.
No Equivalent	sysconfig -s	Shows the configurable subsystems.
No Equivalent	sysconfig -q inet [<i>attribute-list</i>]	Shows the inet subsystem.

² Displays the same information for both the HP Tru64 UNIX and the TCP/IP versions of the command.

TCP/IP Command	UNIX Command	Description
<i>Protocol information (continued)</i>		
SET PROTOCOL <i>protocol_id</i>	<code>sysconfig -r inet attr=value ...</code>	Sets protocol attributes.
<i>NFS information</i>		
SET NFS_SERVER /UID_DEFAULT= <i>value</i>	<code>sysconfig -r nfs noproxy_uid=value</code>	Specifies the default UID when a user cannot be translated by the proxy.
SET NFS_SERVER /GID_DEFAULT= <i>value</i>	<code>sysconfig -r nfs noproxy_gid=value</code>	Specifies the default GID when a user cannot be translated by the proxy.
No Equivalent	<code>sysconfig -r nfs tcp_threads=value</code>	Specifies the number of concurrent TCP threads within the NFS server. A value of 0 (zero) will disable the TCP protocol.
SET NFS_SERVER /INACTIVITY_TIMER= <i>value</i>	No Equivalent	Specifies the time interval (in seconds) that an unaccessed file will stay open.

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