

# 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"n<sup>1</sup></code>	Displays all ARP entries. <sup>2</sup>
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. <sup>2</sup>
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"<sup>1</sup></code>	Displays socket information.

<sup>1</sup> Use quotation marks to preserve the case of uppercase options.

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

**TCP/IP Command****UNIX Command****Description***Interface information (continued)*

SHOW INTERFACE  
*interface\_id* [/FULL]

ifconfig *interface\_id*

Displays interface information.

SET INTERFACE *interface\_id*  
/HOST=*host*  
/NETWORK\_MASK=*mask*

ifconfig *interface\_id*  
[*address\_family*]  
*address*[/*bitmask*]

Sets the primary interface address.

No Equivalent

ifconfig *interface\_id*  
[*address\_family*]  
*alias addr*[/*mask*]

Adds an alias interface address.

SET NOINTERFACE  
*interface\_id*

ifconfig *interface\_id*  
[*address\_family*]-*alias*  
*alias\_address*

Removes an alias interface address.

SET NOINTERFACE  
*interface\_id* /HOST=*host*  
[/NETWORK\_MASK=*mask*]

ifconfig *interface\_id*  
[*address\_family*]-*aliaslist*  
*alias\_list/bitmask*

Removes a list of interface aliases.

No Equivalent

ifconfig *interface\_id*  
*param=value*

Modifies interface parameters.

*Active sockets information*

SHOW DEVICE\_SOCKET

netstat -a

Displays active and inactive sockets.

SHOW DEVICE BGxxxx[/FULL]

No Equivalent

Displays information for a particular socket.

## TCP/IP Command

## UNIX Command

## Description

### Memory information

TCP/IP Command	UNIX Command	Description
SHOW COMMUNICATION /MEMORY	netstat -m	Displays memory usage.

### Route information

SHOW ROUTE [/FULL]	netstat -r	Displays all routes. <sup>2</sup>
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.

<sup>2</sup> 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. <sup>2</sup>
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.

<sup>2</sup> 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>	sysconfig -r inet <i>attr=value ...</i>	Sets protocol attributes.
<i>NFS information</i>		
SET NFS_SERVER /UID_DEFAULT= <i>value</i>	sysconfig -r nfs noproxy_uid= <i>value</i>	Specifies the default UID when a user cannot be translated by the proxy.
SET NFS_SERVER /GID_DEFAULT= <i>value</i>	sysconfig -r nfs noproxy_gid= <i>value</i>	Specifies the default GID when a user cannot be translated by the proxy.
No Equivalent	sysconfig -r nfs tcp_threads= <i>value</i>	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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