

Management Command Quick Reference Card

HP TCP/IP Services for OpenVMS Management Command Quick Reference Card

This reference card serves as a quick lookup for using the TCP/IP Services management control program. The commands are divided into the following categories:

- Table 1 - Managing Communications Proxies
- Table 2 - Managing Services
- Table 3 - Managing the TCP/IP Services Configuration Database
- Table 4 - Managing the Management Control Program
- Table 5 - Managing the Address Resolution Protocol (ARP)
- Table 6 - Managing Device Sockets
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- Table 18 - Managing the Hosts Database
- Table 19 - Managing BIND
- Table 20 - Managing BOOTP

An asterisk (*) alongside a qualifier indicates the qualifier might be required with the command; otherwise, qualifiers are optional.

Table 1 - Managing Communications Proxies

Syntax	Description	Qualifiers
CONVERT/VMS PROXY <i>source_file</i> / <i>qualifiers</i>	Populates the existing proxy database with entries from a UNIX® /etc/passwd file.	/LOG
CREATE PROXY	Creates an empty proxy database file.	
ADD PROXY <i>user</i> / <i>qualifiers</i>	Adds entries to the proxy database that gives remote users an OpenVMS identity (account name). Note that the proxy database contains communication proxies and NFS proxies.	/HOST= <i>host</i> * /REMOTE_USER= <i>user</i> * /PERMANENT /GID= <i>n</i> * /UID= <i>n</i> *
SHOW PROXY <i>user_name</i> / <i>qualifiers</i>	Displays entries in the proxy database.	/COMMUNICATION /GID= <i>n</i> /HOST= <i>host</i> /UID= <i>n</i>
REMOVE PROXY <i>user_name</i> / <i>qualifiers</i>	Deletes entries from the volatile and permanent proxy databases.	/COMMUNICATION /[NO]CONFIRM /GID= <i>n</i> /HOST= <i>host</i> /PERMANENT /REMOTE_USER= <i>user</i> /UID= <i>n</i>

Table 2 - Managing Services

Syntax	Description	Qualifiers
<code>ANALYZE SERVICE /qualifiers</code>	Searches the services database for corrupted definitions. Displays invalid records and, with the /REPAIR qualifier, deletes them.	/[NO]CONFIRM /[NO]REPAIR
<code>DISABLE SERVICE service /qualifiers</code>	Sets the auxiliary server so it does not start the specified service.	/ADDRESS=IP_address /PORT=n /PROCESS=process /PROTOCOL=protocol
<code>ENABLE SERVICE service /qualifiers</code>	Enables a service on the running TCP/IP Services software.	/ADDRESS=IP_address /PORT=n /PROCESS=process /PROTOCOL=protocol
<code>SHOW SERVICE service /qualifiers</code>	Displays information about configured services.	/ADDRESS=address /FULL /PERMANENT /PORT=n /PROCESS=process /PROTOCOL=protocol /RPC
<code>SET [NO]SERVICE service /qualifiers</code>	Defines a new entry in the services database or modifies an existing entry.	/FILE=startup_file* /PORT=n* /PROCESS_NAME=process* /USER_NAME=vms_user_account* /ACCEPT=options /ADDRESS=IP_address /FLAGS=options /INACTIVITY_TIMER=n /LIMIT=n /LOG_OPTIONS=options /PROTOCOL=protocol=options /REJECT=options /RPC=values /SEPARATOR=option /SOCKET_OPTIONS=options

Table 3 - Managing the TCP/IP Services Configuration Database

Syntax	Description	Qualifiers
<code>CREATE CONFIGURATION</code>	Creates an empty configuration database.	
<code>SET CONFIGURATION ENABLE [NO]SERVICE service /qualifiers</code>	Adds a service entry to the list of services in the configuration database that are enabled for startup on a specific node or clusterwide. SET CONFIGURATION ENABLE NOSERVICE removes such an entry.	/COMMON /[NO]CONFIRM
<code>SHOW CONFIGURATION component ENABLE SERVICE service START ROUTING /qualifiers</code>	Displays the information in the configuration database.	/COMMON /FULL /OUTPUT=file
<code>CONVERT/CONFIGURATION BIND bind_conf_file /qualifiers</code>	Converts the UCX BIND V4.x name server configuration to the BIND 8.1 format.	/CLUSTER=lbroker_conf_file

Table 4 - Managing the Management Control Program

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
EXIT	Exits the management program.	
HELP <i>topic</i>	Displays online help for using management commands.	
SHOW VERSION <i>/qualifier</i>	Displays the version of the TCP/IP Services software that is currently running, including individual components.	/ALL

Table 5 - Managing the Address Resolution Protocol (ARP)

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
SET ARP <i>mac_address host /qualifiers</i>	Provides the dynamic mapping from an IP address to the corresponding physical network address (hardware address) on an FDDI, Ethernet, or Token Ring LAN segment.	/[NO]PERMANENT /[NO]PUBLIC
SET NOARP <i>host</i>	Removes an address-mapping pair (IP address to physical network address).	
SHOW ARP <i>host /qualifier</i>	Displays ARP information.	/LOCAL

Table 6 - Managing Device Sockets

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
SHOW DEVICE_SOCKET <i>device_socket /qualifiers</i>	Displays device socket counters and current settings from the running communications software.	/CONTINUOUS[= <i>seconds</i>] /FULL /HOST= <i>host</i> /[NO]LOCAL /PORT= <i>n</i> /SERVICE= <i>service</i> /TYPE= <i>socket_type</i>
DISCONNECT DEVICE_SOCKET <i>dev_sock_number</i>	Interactively terminates an existing TCP/IP connection.	

Table 7 - Managing the Networks Database

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
CREATE NETWORK	Creates an empty networks database file.	
CONVERT/UNIX NETWORK <i>destination_file /qualifiers</i>	Converts the networks database to an ASCII file formatted for use on a UNIX system.	/BYADDRESS /LOG
SET [NO]NETWORK <i>network /qualifiers</i>	Defines or deletes an entry in the networks database.	/ADDRESS= <i>IP_address</i> /[NO]ALIAS= <i>alias</i> /[NO]CONFIRM

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Table 7 - Managing the Networks Database *(continued)*

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
<code>SHOW NETWORK <i>network</i> /<i>qualifiers</i></code>	Displays information about the networks database.	<code>/ADDRESS=<i>address</i></code> <code>/OUTPUT=<i>file</i></code>
<code>CONVERT/VMS NETWORK <i>source_file</i> /<i>qualifiers</i></code>	Populates the existing networks database with entries from a BIND-formatted UNIX <code>/etc/networks</code> file.	<code>/LOG</code> <code>/UPCASE</code>

Table 8 - Managing Communications

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
<code>SET COMMUNICATION /<i>qualifiers</i></code>	Modifies the IP, TCP, UDP, and INET_ACP software on the running system.	<code>/ACCEPT=<i>options</i></code> <code>/DOMAIN=<i>domain</i></code> <code>/LOCAL_HOST=<i>host</i></code> <code>/PROXIES=<i>n</i></code> <code>/REJECT=<i>options</i></code>
<code>SET CONFIGURATION COMMUNICATION</code>	Enters information into the configuration database to start the IP, TCP, UDP, and INET_ACP software when the system starts up.	<code>/ACCEPT=<i>options</i></code> <code>/DOMAIN=<i>domain</i></code> <code>/LOCAL_HOST=<i>host</i></code> <code>/PROXIES=<i>n</i></code> <code>/REJECT=<i>options</i></code>
<code>SHOW COMMUNICATION /<i>qualifiers</i></code>	Displays the settings and status for the IP, TCP, UDP, and INET_ACP software, including routing, buffers, sockets, and memory on the running system.	<code>/MEMORY</code> <code>/ROUTE</code> <code>/SECURITY</code>
<code>PING <i>host</i> /<i>qualifiers</i></code> <code>LOOP <i>host</i> /<i>qualifiers</i></code>	Sends ICMP ECHO packets to hosts to determine whether they are active. PING and LOOP are synonymous.	<code>/ADDRESS=<i>xx.xx.xx.xx</i></code> <code>/ALL</code> <code>/DEBUG</code> <code>/FULL</code> <code>/NUMBER_PACKETS=<i>n</i></code> <code>/PACKET_SIZE=<i>n</i></code> <code>/PATTERN=<i>xx</i></code> <code>/[NO]ROUTE</code> <code>/WAIT=<i>seconds</i></code>

Table 9 - Managing Interfaces

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
<code>SET [NO] INTERFACE <i>interface</i> /<i>qualifiers</i></code>	Defines one of the following: <ul style="list-style-type: none"> • An internet interface • A serial line IP (SLIP) or point-to-point (PPP) connection • A pseudointerface (a data structure that extends subnet routing) 	<code>/[NO]ARP</code> <code>/[NO]AUTO_START</code> <code>/BROADCAST_MASK=<i>IP_address</i></code> <code>/C_BROADCAST_MASK=<i>IP_address</i></code> <code>/C_NETWORK=<i>IP_address</i></code> <code>/[NO]CLUSTER=<i>host</i></code> <code>/COMPRESS=<i>options</i></code> <code>/DESTINATION=<i>IP_address</i></code> <code>/DHCP</code> <code>/FLOWCONTROL</code> <code>/HOST=<i>host</i></code> <code>/[NO]LOOPBACK</code> <code>/NETWORK_MASK=<i>IP_address</i></code> <code>/PRIMARY</code> <code>/SERIAL_DEVICE=<i>device</i></code>

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Table 9 - Managing Interfaces *(continued)*

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
SET CONFIGURATION [NO] INTERFACE <i>interface</i> / <i>qualifiers</i>	<p>Enters information into the configuration database, defining one of the following when TCP/IP Services starts up:</p> <ul style="list-style-type: none"> • An internet interface • A serial line IP (SLIP) or point-to-point (PPP) connection • A pseudointerface (a data structure that extends subnet routing) 	/[NO]ARP /[NO]AUTO_START /BROADCAST_MASK= <i>IP_address</i> /C_BROADCAST_MASK= <i>IP_address</i> /C_NETWORK= <i>IP_address</i> /[NO]CLUSTER= <i>host</i> /COMPRESS= <i>options</i> /DESTINATION= <i>IP_address</i> /[NO]DHCP /FLOWCONTROL /HOST= <i>host</i> /[NO]LOOPBACK /NETWORK_MASK= <i>IP_address</i> /[NO]PRIMARY /SERIAL_DEVICE= <i>device</i>
SHOW INTERFACE <i>interface</i> / <i>qualifiers</i>	<p>Displays information from the running system for Internet interfaces and pseudointerfaces.</p>	/CLUSTER /FULL

Table 10 - Managing Protocols

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
SET CONFIGURATION PROTOCOL ICMP / <i>qualifier</i>	Sets parameters for ICMP when TCP/IP Services starts up.	/[NO]REDIRECT
SET CONFIGURATION PROTOCOL IP / <i>qualifiers</i>	Sets parameters for IP when TCP/IP Services starts up.	/[NO]FORWARD /REASSEMBLY_TIMER= <i>n</i>
SET CONFIGURATION PROTOCOL TCP / <i>qualifiers</i>	Sets parameters for TCP when TCP/IP Services starts up.	/[NO]MTU_SEGMENT_SIZE /[NO]DELAY_ACK /DROP_COUNT= <i>n</i> /PROBE_TIMER= <i>seconds</i> /QUOTA= <i>options</i> /[NO]WINDOW_SCALE
SET CONFIGURATION PROTOCOL UDP / <i>qualifiers</i>	Sets parameters for UDP when TCP/IP Services starts up.	/[NO]BROADCAST /QUOTA= <i>options</i>
SET PROTOCOL ICMP / <i>qualifier</i>	Set parameters for ICMP.	/[NO]REDIRECT
SET PROTOCOL IP / <i>qualifiers</i>	Sets parameters for IP.	/[NO]FORWARD /REASSEMBLY_TIMER= <i>n</i>
SET CONFIGURATION PROTOCOL RAW_IP / <i>qualifier</i>	Sets parameters for RAW_IP when TCP/IP Services starts up.	/QUOTA= <i>options</i>

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Table 10 - Managing Protocols *(continued)*

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
SET PROTOCOL TCP <i>/qualifiers</i>	Sets parameters for TCP.	/[NO]MTU_SEGMENT_SIZE /[NO]DELAY_ACK /DROP_COUNT= <i>n</i> /PROBE_TIMER= <i>seconds</i> /QUOTA= <i>options</i> /[NO]WINDOW_SCALE
SET PROTOCOL UDP <i>/qualifiers</i>	Sets parameters for UDP.	/[NO]BROADCAST /QUOTA= <i>options</i>
SHOW PROTOCOL <i>protocol</i> <i>/qualifier</i>	Displays statistics and configuration information for the specified protocol.	/PARAMETERS
SHOW CONFIGURATION PROTOCOL <i>protocol</i> <i>/qualifier</i>	Displays information in the configuration database that sets the parameters for the specified protocol when TCP/IP Services starts up.	/PARAMETERS

Table 11 - Managing the Container File System

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
REMOVE FILE <i>"/path/name"</i>	Removes a link to a file within a container directory.	
ANALYZE CONTAINER <i>device:path.name</i> <i>/qualifiers</i>	Verifies the integrity of a UNIX container file.	/[NO]CONFIRM /[NO]REPAIR
CREATE CONTAINER <i>device:directory</i> <i>/qualifiers</i>	Creates a UNIX file system.	/HOST= <i>host</i> /[NO]LOG /OWNER= <i>uic</i> /ROOT_MODE= <i>n</i> /SIZE= <i>option=value</i> /UID= <i>n</i> /USER_NAME= <i>vms_user_name</i>
DELETE CONTAINER <i>container_file_system</i>	Deletes a container file system and all its contents.	
DIRECTORY <i>"/path/name"</i> <i>/qualifiers</i>	Displays a list of files, along with directory information, in a UNIX container directory.	/FULL /VMS
CREATE DIRECTORY <i>"/path/name"</i> <i>/qualifiers</i>	Creates a directory within an existing UNIX container.	/HOST= <i>host</i> /[NO]LOG /MODE= <i>n</i> /UID= <i>n</i> /USER_NAME= <i>vms_user_name</i>
REMOVE DIRECTORY <i>"/path/name"</i>	Removes a link to a directory within a UNIX container directory. If there are no other links to it, the directory is deleted.	

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Table 11 - Managing the Container File System *(continued)*

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
CREATE EXPORT	Creates an empty export database file.	
EXPORT <i>"/path/name" vms_file_name</i>	Copies a file from within a container directory to an OpenVMS file.	
IMPORT <i>vms_file_name "/path/name" /qualifiers</i>	Copies an OpenVMS file to a UNIX file located in a container directory.	/[NO]CONVERT /HOST= <i>host</i> /[NO]LOG /MODE= <i>n</i> /UID= <i>n</i> /USER_NAME= <i>vms_user_name</i>

Table 12 - Managing Communication Controllers

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
DEFINE COMMUNICATION_CONTROLLER <i>controller /qualifiers</i>	Makes new communication controllers known to TCP/IP Services.	/INTERNET_INTERFACE= <i>character</i> * /TYPE=(<i>options</i> [,...]) * /DESCRIPTION= <i>text</i>
DELETE COMMUNICATION_CONTROLLER <i>controller /qualifiers</i>	Deletes an entry for a communication controller from the configuration file.	/[NO]CONFIRM /INTERNET_INTERFACE= <i>character</i>
LIST COMMUNICATION_CONTROLLER <i>controller /qualifier</i>	Displays the communication controllers known to TCP/IP Services.	/INTERNET_INTERFACE= <i>character</i>

Table 13 - Managing the NFS Server

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
SET NFS_SERVER <i>/qualifiers</i>	Modifies dynamic configuration parameters that control NFS server operation.	/DISABLE=NOProxy /ENABLE=NOProxy /GID_DEFAULT= <i>n</i> /INACTIVITY_TIMER= <i>n</i>
SHOW NFS_SERVER <i>/qualifiers</i>	Displays NFS server performance counters and statistics.	/CONTINUOUS=[<i>seconds</i>] /RPC /SERVER /VERSION= <i>versions</i>
ZERO NFS_SERVER <i>/qualifiers</i>	Resets the NFS server performance counters.	/HOST= <i>host</i> /SERVICES /USER_NAME= <i>vms_user_name</i>

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Table 13 - Managing the NFS Server *(continued)*

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
ADD EXPORT <i>"/path/name" /qualifiers</i>	Adds an export entry, in the form of a UNIX path name, to the export database.	/HOST= <i>host</i> * /OPTIONS= [NO]DATA_CONVERSION [NO]NAME_CONVERSION [NO]PURGE_VERSIONS [NO]TYPELESS_DIRECTORIES
SHOW EXPORT <i>"/path/name" /qualifiers</i>	Displays disk/directories available for mounting by NFS clients, in the form of a UNIX path name. It also displays NFS clients with the local NFS directories that are accessible to them.	/HOST= <i>host</i> /OUTPUT= <i>file</i>
REMOVE EXPORT <i>"/path/name" /qualifiers</i>	Deletes directory names from the export database.	/[NO]CONFIRM /HOST= <i>host</i>

Table 14 - Managing the NFS Proxies

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
ADD PROXY <i>user /qualifiers</i>	Adds entries to the proxy database that give remote users an OpenVMS identity (account name). Note that the proxy database contains communication proxies and NFS proxies.	/GID= <i>n</i> * /HOST= <i>host</i> * /UID= <i>n</i> * /NFS= <i>options</i> /PERMANENT
REMOVE PROXY <i>user_name /qualifiers</i>	Deletes entries from the volatile and permanent proxy databases.	/COMMUNICATION /[NO]CONFIRM /GID= <i>n</i> /HOST= <i>host</i> /NFS= <i>options</i> /PERMANENT /REMOTE_USER= <i>user</i> /UID= <i>n</i>
SHOW PROXY <i>user_name /qualifiers</i>	Displays entries in the proxy database.	/COMMUNICATION /GID= <i>n</i> /HOST= <i>host</i> /NFS= <i>options</i> /UID= <i>n</i>

Table 15- Managing NFS Clients

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
MOUNT <i>mount_point volume_label logical_name /qualifiers</i>	Makes a physically remote file system accessible to local users.	/HOST= <i>host</i> /PATH= <i>"/path/name"</i> /ACP_PARAMS= <i>options</i> /[NO]ADF= <i>option</i> /AUTOMOUNT= <i>INACTIVITY:time</i> /BACKGROUND= <i>options</i> /CACHE_TIMEOUT= <i>options</i> /[NO]CONVERT /DATA= <i>options</i> /FILEIDS= <i>options</i>

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Table 15- Managing NFS Clients *(continued)*

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
<code>MOUNT <i>mount_point</i> <i>volume_label</i> <i>logical_name</i> /<i>qualifiers</i></code>		/[NO]FORCE /GID= <i>n</i> /GROUP /OWNER_UIC= <i>n</i> /PROCESSOR= <i>acp_option</i> /PROTECTION= <i>protections</i> /RETRIES= <i>n</i> /SERVER_TYPE= <i>type</i> /SHARE /[NO]SUPERUSER= <i>uid</i> /SYSTEM /TIMEOUT= <i>OpenVMS_delta_time</i> /UID= <i>n</i> /USER= <i>user</i> /[NO]WRITE
<code>DISMOUNT {<i>mount_point</i> <i>logical_name</i>} /<i>qualifiers</i></code>	Makes inaccessible to users a physically remote file system that is currently accessible.	/ALL /HOST= <i>host</i> /[NO]WAIT
<code>SHOW MOUNT <i>device</i> /<i>qualifiers</i></code>	Displays a list of mounted directories at all mount points or at a particular mount point.	/ALL /FULL /HOST= <i>host</i>
<code>MAP "<i>file system name</i>" <i>logical_file_system</i></code>	Maps (logically links) one of the following to the NFS servers: <ul style="list-style-type: none"> • OpenVMS disk - Requires one execution of MAP to map the disk to a UNIX path name • Container file system - Requires two executions of MAP. The first maps the disk, and the second maps the file system. 	
<code>SHOW MAP /<i>path/name</i></code>	Displays the names of mapped (logically linked) file systems (also called NFS file systems).	
<code>UNMAP "/<i>path/name</i>" /<i>qualifier</i></code>	Makes unknown to the NFS server either a mapped (logically linked) OpenVMS disk or a container file system.	/[NO]CONFIRM

Table 16- Managing SMTP (Mail)

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
<code>ANALYZE MAIL <i>user</i> /<i>qualifiers</i></code>	Verifies the consistency of the SMTP queues with SMTP control files.	/[NO]CONFIRM /DELETE=[BEFORE= <i>date</i>], /AFTER= <i>date</i> /HOLD= <i>time</i> /LOG= <i>file</i> /[NO]REPAIR

(continued on next panel)

Table 16 - Managing SMTP (Mail) *(continued)*

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
REMOVE MAIL <i>user</i> / <i>qualifiers</i>	Deletes mail messages from SMTP queues.	/[NO]COPY= <i>directory</i> /[NO]CONFIRM /ENTRY= <i>n</i>
SEND MAIL <i>user</i> / <i>qualifiers</i>	Requeues a mail message for delivery. Releases jobs in a hold state.	/AFTER= <i>time</i> /[NO]CONFIRM /ENTRY= <i>n</i>
SET CONFIGURATION [NO]SMTP / <i>qualifiers</i>	Modifies the SMTP configuration in the configuration database. SET CONFIGURATION NOSMTP with no qualifiers deletes all SMTP records.	/ADDRESS_RETRIES= <i>n</i> /GATEWAY= <i>option=host</i> /HOP_COUNT_MAXIMUM= <i>n</i> /INTERVAL= <i>options</i> /[NO]LOG= <i>file</i> /OPTIONS= <i>options</i> /QUEUES= <i>n</i> /RECEIVE_TIMEOUT= <i>minutes</i> /SEND_TIMEOUT= <i>minutes</i> /SUBSTITUTE_DOMAIN= <i>options</i> /[NO]ZONE= <i>domain</i>
SET [NO]MX_RECORD <i>destination</i> / <i>qualifiers</i>	For routing mail, adds routing information to the local Mail Exchange (MX) database.	/GATEWAY= <i>host</i> * /PREFERENCE= <i>n</i> *
SHOW MX_RECORD <i>destination</i> / <i>qualifiers</i>	Displays SMTP MX database routing information.	/GATEWAY= <i>host</i> /OUTPUT= <i>file</i>
SHOW MAIL <i>user</i> / <i>qualifiers</i>	Displays SMTP queue information.	/FULL /RECIPIENT[= <i>options</i>] /ENTRY= <i>n</i>
START MAIL	Manually starts the SMTP sender queues (not the receiver [server]).	

Table 17 - Managing Routing

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
CREATE ROUTE	Creates an empty permanent routes database file.	
SET [NO]ROUTE <i>destination</i>	Defines a routing path in either the permanent or volatile routes database. You cannot use SET NOROUTE to remove a route that is maintained by the routing daemon. SET NOROUTE does not require qualifiers.	/[NO]CONFIRM /DEFAULT_ROUTE /GATEWAY= <i>host</i> /MASK= <i>mask_length</i> /NETWORK /PERMANENT
SHOW ROUTE <i>destination</i> / <i>qualifiers</i>	Displays the permanent or volatile routes database.	/FULL /GATEWAY= <i>host</i> /LOCAL /OUTPUT= <i>file</i> /PERMANENT

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Table 17 - Managing Routing *(continued)*

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
SET GATED <i>/qualifiers</i>	Configures the Gateway Routing Daemon (GATED).	/CHECK_INTERFACES /FILE= <i>file</i> /SAVE_STATE /TOGGLE_TRACE
START [NO]ROUTING <i>/qualifiers</i>	Starts dynamic routing with ROUTED or GATED.	/GATED /LOG /SUPPLY=DEFAULT
STOP ROUTING <i>/qualifier</i>	Stops dynamic routing.	/GATED

Table 18 - Managing the Hosts Database

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
CONVERT/UNIX HOST <i>destination_file</i> <i>/qualifiers</i>	Reads the hosts database, and converts the information to an ASCII file formatted for use as a hosts file on a UNIX system.	/BYADDRESS /LOG
CONVERT/VMS HOST <i>source_file</i> <i>/qualifiers</i>	Populates the existing hosts database with entries from a UNIX <i>/etc/hosts</i> file.	/LOG /UPCASE
CREATE HOST	Creates a hosts database file.	
SET [NO]HOST <i>host</i> <i>/qualifiers</i>	Defines or deletes an entry in the hosts database.	/ADDRESS= <i>IP_address</i> * /[NO]ALIAS= <i>alias</i> /[NO]CONFIRM
SHOW HOST <i>host</i> <i>/qualifiers</i>	Displays information from the hosts database. If the BIND resolver is enabled, also displays information from the BIND database.	/ADDRESS= <i>IP_address</i> /DOMAIN= <i>domain</i> /LOCAL /OUTPUT= <i>file</i> /SERVER= <i>server</i>

Table 19- Managing BIND

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
CONVERT/UNIX BIND <i>/qualifiers</i>	Creates a BIND server database, and populates it with records from the hosts and routes databases.	/DOMAIN= <i>domain.name</i> * /[NO]LOG
SET CONFIGURATION [NO]BIND <i>/qualifiers</i>	Configures the BIND name server.	/CACHE= <i>options</i> /[NO]CLUSTER= <i>names</i> /FORWARDERS= <i>options</i> /PRIMARY= <i>options</i>

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Table 19- Managing BIND *(continued)*

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
<code>SHOW HOST <i>host</i> /<i>qualifiers</i></code>	Displays information from the hosts database. If the BIND resolver is enabled, also displays information from the BIND database.	<code>/ADDRESS=<i>IP_address</i></code> <code>/DOMAIN=<i>domain</i></code> <code>/LOCAL</code> <code>/OUTPUT=<i>file</i></code> <code>/SERVER=<i>server</i></code>
<code>SET CONFIGURATION [NO]NAME_SERVICE /<i>qualifiers</i></code>	When TCP/IP Services starts up, configures the BIND resolver and designates a BIND server.	<code>/[NO]SERVER=<i>host</i></code> <code>/CLUSTER=<i>dev</i>:[<i>directory</i>]</code> <code>/[NO]DOMAIN=<i>domain</i></code> <code>/[NO]PATH=<i>domain</i></code> <code>/RETRY=<i>number of retries</i></code> <code>/TIMEOUT=<i>seconds</i></code> <code>/TRANSPORT=<i>protocol</i></code>
<code>SET NAME_SERVICE /<i>qualifiers</i></code>	Configures the BIND resolver and designates a BIND server. All settings are process specific.	<code>/[NO]SERVER=<i>host</i></code> <code>/CLUSTER=<i>dev</i>:[<i>directory</i>]</code> <code>/DISABLE</code> <code>/[NO]DOMAIN=<i>domain</i></code> <code>/ENABLE</code> <code>/INITIALIZE</code> <code>/[NO]PATH=<i>domain</i></code> <code>/RETRY=<i>number of retries</i></code> <code>/SYSTEM</code> <code>/TIMEOUT=<i>seconds</i></code> <code>/TRANSPORT=<i>protocol</i></code>
<code>SHOW NAME_SERVICE /<i>qualifier</i></code>	Logs information about the BIND resolver.	<code>/STATISTICS</code>

Table 20 - Managing BOOTP

<i>Syntax</i>	<i>Description</i>	<i>Qualifiers</i>
<code>CONVERT/VMS BOOTP <i>source_file</i> /<i>qualifiers</i></code>	Populates the existing BOOTP database with entries from a BIND-formatted UNIX <code>/etc/bootptab</code> file.	<code>/ADD_HOST</code> <code>/FILE=<i>sys_image_file</i></code>
<code>CREATE BOOTP</code>	Creates an empty BOOTP service database, <code>TCPIP\$BOOTP.DAT</code> , located in <code>SYS\$COMMON:[SYSEXE]</code> .	
<code>SET [NO]BOOTP <i>host</i> /<i>qualifiers</i></code>	Creates client entries in the BOOTP database. SET NOBOOTP accepts no qualifiers.	<code>/FILE=<i>file</i></code> <code>/HARDWARE=ADDRESS=<i>hex_address</i>*</code> <code>/GATEWAYS=<i>hosts</i></code> <code>/NETWORK_MASK=<i>IP_address</i>*</code> <code>/SERVERS=<i>type</i>=<i>host</i></code> <code>/TIME_OFFSET=<i>seconds</i></code>
<code>SHOW BOOTP <i>host</i>/qualifiers</code>	Displays client entries in the BOOTP database.	<code>/HARDWARE=ADDRESS=<i>hex_address</i></code> <code>/LOCAL</code> <code>/OUTPUT=<i>file</i></code>

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