

7510 Command Line Reference vo.5 Cheat Sheet

by Bell.Labs (Steve Fowlkes) via cheatography.com/20709/cs/7483/

7510 Basic Commands

create ... Is used to add or create something new (ex: create ospf area). You can also use add instead of create.

view ... Is used to display or view something (ex: view nodes). You can also use show instead of view.

define ... Is used to set or define something that already exists (ex: define ospf enable). You can also use set instead of define

clear... Used to clear a field or reset a parameter

remove ... Removes the configuration for something (ex: remove port label)

Remote Accessing the 7510

ssh <ip -ad dre ss> First step in accessing the 7510 MGW is to SSH to the IP address of it. If you do no know the MGW's IP, you can SSH to Host01 on the ISC side, and use the virsh commands to access the 7510 tenant.

virsh console <vm _na me> If you came in by SSH to the ISC Host, you can use the virsh command to open a 'virtual shell' to the vm instance of the 7510 you wish to manage. (ex: virsh console 02-s00 c17h0) node-c onsole -s <sl ot- num> rconsole <ga tew ay> <ap pl- id> This allows you to switch from active SCM to active PIM, or stnby PIM to Act SCM etc... The <gateway> is usually 1. <appl-id> is the card number of the SCM or PIM.

define scope vmg <vm g-n um> | non e This allows you to move between either of the vmg's on the SCM. Your prompt will change to reflect which one you are using.

File Management & Scripts

ls Lists out the contents of the current directory. (cont)

copy <so urc e-f ile> <de st- fil e> Copies the sourcessi on- num> This

file you specify to the path of the new location. command will disconnect any user that is

compare <fi le1> <fi le2> Compares two fugged you. You must use the view ui

cat <fi len ame> Lets you view the file. command to get the session number you wish

remove file <fi len ame> Removes specified file.

save Saves the current configuration of the 7510.ping < ho st> Works just as any ping works run script <fi len ame.sc r> Runs the script fram also add the source and # of pings. specify.

wait time <de lay> A command you can add to exist preferations the available nodes that causes a pause for the specified <delay> amount if the privilegion on the 7510. Examples are the define file privilege <fi len ame> <pactive and standard PIM's and SCM's. ett er> This lets you set the file's permissions. The privilege status Shows the status and standard options are p(assword), v(iew), s(ystem), u(pdate), of the privilege status Shows the controller. allow users to modify if they have the above permissions. The privilege status Shows the mgw configurations are p(assword), v(iew), s(ystem), u(pdate), of the privilege status Shows the mgw configurations.

Administrative / Verification Commands

These commands are more administrative in nature, dealing with users/logins, verification of system settings.

define ui switch -user diag This allows you to switch to the diag (root) account if you are logged in via another

define vmg scope <vm g-i d> Once you log into the SCM have to use this command to access the individual vMedia Gateway applications. You can find the vmg-id of each by running view vmg sta

view ui Great command to see who else is logged into the console. Because the 7510 can only have a limited number of logged in users remotely.

view access remote Shows you what users can access the system remotely (ssh)

ion.

Administrative / Verification Commands

Shows some stats about each module.

Included is the Gateway, and App ID of the modules

view module config uration all

view version Displays the version of the 7510 current software load.

view alarm active View the active alarms
User the word remove instead of view to erase
the active alarms.

reboot module This will reboot the vm application that you're logged into.

reset module <ga tew ay> <ap pl> Can only be run from the active SCM. Need to specify the targeted gateway and application numbers.

define ui switch -user <ta rge t_u
ser> Allows you to switch your current nonsus
eruser account to either a super-user or anothe
user

define admin enable <us ern ame>
Enables the specified user account



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IP Addresses and Ports Syntax

Port Label Syntax

en Used to identify an Ethernet port application. commands abbreviated, such as vi instead

Ex: en.scm.1 This example indicates an Ethernebf view. Don't be confused.

10 (scm), and physical port 1.

gw Used to identify a Gateway port service or component.

Ex: gw.1.1 0.appl

The example indicates the gateway 1, application 8 characters, with a min/max of a 3 id 10.

Ports

view port state <po rt- lab el>

Displays the Operational/Admin state of the port you specify. The port label is in the form of the above example. (ex: en.scm.1)

create port label <po rt> <te xt- lab_{view} telnet state Tells you rather the telnet

port label feature eliminates the need to remember define telnet state {enabl e|d isabl long port address

conventions like en.10.1.

view port label all Shows you all of the

ports and their labels. (Ex:

scm_10_1 eth0 0)

view ip config uration Shows the IP config of the 7510

view ip if Shows the interfaces of the 7510.

Both v4 and v6.

view route table Shows the ipv4 routing

view ipv6 route Shows specifically the ipv6 routing table

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Misc. Details

*Remember you can and will see

port, on gateway number 1, in application number *To view all available choices relating to a command you can issue the

> command, and all of the valid next choices for that command are listed.

*All filenames that you create can at max be

character extension.

Misc Commands

The commands here most likely will not be common place to run, but may aid in verification of system config and security.

service is enabled or disabled.

e} Allows you to enable or disable the telnet service

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