

You may/may not be aware of the recent changes to the Cisco Fabric Manager servers – In summary.

1) Server Virtualisation:

At the end of last year and into early this year, we have been working with the EMEA Wintel Corporate Consumer team moving from physical to virtual machines.

Essentially this was a server migration carried out by the SA but from our perspective the move to virtual required an IP address change for AAA/Radius/IAS/SNMP on every switch in all fabrics.

We carried this out by migrating two 'unused' physical servers and then installing fabric manager and IAS on them, and bringing up the fabrics on them (IP change on every switch), which allowed us to hand over the 'used' servers for migration, and then repeating the process (and in some cases another IP change!).

This is now Complete

2) DCNM Rollout

At the beginning of January CATE released Data Centre Network Manager (DCNM) 5.2.1 which is the product to supersede Fabric Manager And NXOS 5.2.1 firmware for the Cisco switches. In order to upgrade the switches the management infrastructure needs to be upgraded as a prerequisite.

– In parallel at that time we were encountering the issue on the Replication fabric (aka cloning issue) which the vendor recommended we move to NXOS 5.2.2, and more recently a VTM was identified which is resolved by the upgrade to NXOS 5.2.1.

As above DCNM needed to be deployed as a prerequisite, which is what I have been working on for the last 4 weeks.

This is now deployed to a point I can hand this over to operations for use.

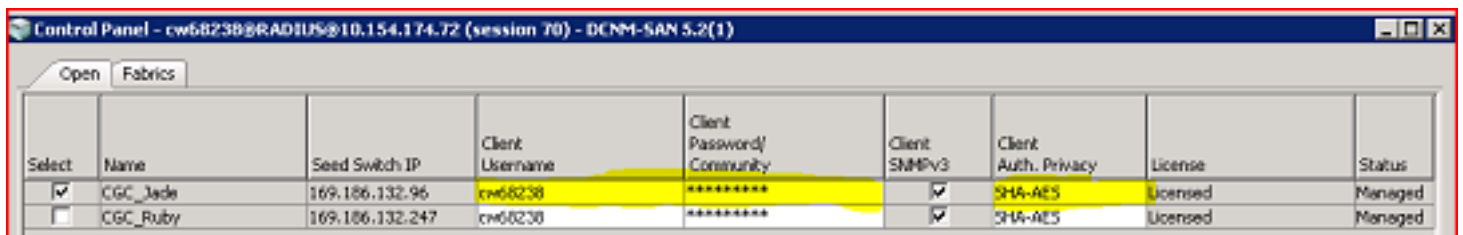
Here is what you have got:

IP	DNS	Fabrics	Launch Performance manager Web GUI
169.168.69.161	dectxstcx003	Swiss Back up switches	https://169.168.69.161
169.168.69.162	dectxstcx004	FDC - Ruby/Jade/Cat/Dog - Open Systems	https://169.168.69.162
10.154.174.65	ldnctxstcx106	RDC - Ruby/Jade/Cat/Dog - Open Systems	https://10.154.174.65
10.154.174.66	ldnctxstcx107	EMEA - Gold/Silver - Replication	https://10.154.174.66
10.154.174.72	ldnctxstcx108	CGC - Ruby/Jade - Open Systems	https://10.154.174.72

They are currently separated, but we may look to implement a federated solution at a later date.

If you use the GUI's – I suggest you log on to the server, and launch the DCNM Client (Start > Programs > Cisco DCNM Server > DCNM Client)

– This not different to the Fabric manger layout whereby you will need to ensure your username/Password and Client Auth settings are entered accordingly



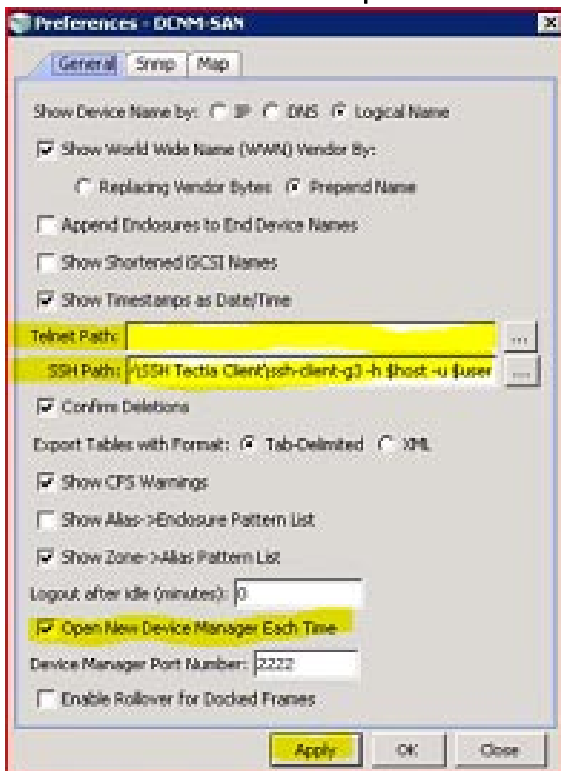
The screenshot shows the DCNM Client GUI window titled "Control Panel - cw68238@RADIUS@10.154.174.72 (session 70) - DCNM-SAN 5.2(1)". It has tabs for "Open" and "Fabrics". The "Fabrics" tab is active, displaying a table with the following data:

Select	Name	Seed Switch IP	Client Username	Client Password/Community	Client SNMPv3	Client Auth. Privacy	License	Status
☒	CGC_Jade	169.186.132.96	cw68238	*****	☒	SHA-AES	Licensed	Managed
☐	CGC_Ruby	169.186.132.247	cw68238	*****	☒	SHA-AES	Licensed	Managed

Once logged in to a fabric you need to ensure your SSH settings are as advised in the CATE solutions guide:

https://catecollaboration.citigroup.net/domains/platstor/gdse/products/platforms/CiscoMDSFCSwitches/07002-sg_v4.0.pdf

- o Click on File > Preferences
- o Remove (blank out) the path in "Telnet Path:" Telnet is disabled on the switches by default.
- o Enter the SSH Path: C:\apps_srv\SSH Communications Security\SSH Secure Shell\sshclient.exe"
-u \$user -h \$host
- o Check the box to "Open New Device Manager Each Time".



Web Client

The other element which may not have been previously used by many is the Web GUI – whilst you cannot carry out actions (e.g. zoning) it is very good for checking host stats and generating reports etc.

- If you use the Web GUI please use the **IP Address** not the DNS name as the URL – so put the https://<IP > as indicated above - and log in (SOE ID and Password).

This GUI is better than the previous version – If you are interested we can hold a familiarisation session.

In a nutshell you have all of the same features as before, but there are some good new stuff like:

- The Search function - which will return a load of info about a host /array which can then be drilled down and graphs/stats shown – e.g you could search by array then drill down on the single FA and it will return all hosts attached/zones etc
- Dashboard – Shows Top 10 hosts/Array ports/Issues/Link Utilisation/Health – Again each element can be drill down by a single click (nice Topology view for the hosts which you can hover over and get switch port/fcid/vsan info)



- Reports include better graphs

3) NXOS Upgrades on the Switches

Next steps will be the planning and rollout of the NXOS upgrades to 5.2.1 – I have earmarked Weekends April 14th/21st/28th & May 12th 2012 for the upgrades

- 14/04/12 – RDC/FDC – Ruby & Cat (Inc CGC/Welle Cat)
- 21/04/12 – RDC/FDC – Jade & Dog (Inc CGC/Welle Dog)
- 28 & 29/04/12 – CGC – Ruby & Jade
- 12 & 13/05/12 – EMEA – Silver & Gold

The upgrades will be done in two steps as the move to 5.2.1 requires an interim deployment of 5.0.4

More info to follow – but contact us with any queries.