SAN-Engineer Govindagouda Ranganagoudar

EMC solution Enabler 6 comments

symaccess

symaccess -sid 151 list – List all Initiator,Port and Storage Groups Created for Array 151
symaccess -sid 151 list -v – List all Initiator,Port and Storage Groups Created for Array 151 along with related Masking Views
symaccess -sid 151 list -type storage – List all Storage Groups Created for Array 151
symaccess -sid 151 list -type initiator – List all Storage Groups Created for Array 151
symaccess -sid 151 list -type port – List all Storage Groups Created for Array 151
symaccess -sid 151 list view – List masking views Created for Array 151 with related groups details
symaccess -sid 151 list assignment -dev 9A0:9AF – Shows the masking details of devices from 9A0 to 9AF
symaccess -sid 151 list no_assignments -dirport 12f:1 – Shows the devices are mapped to 12f:1 but not masked.
symaccess -sid 151 list -name MyGroup – List all groups named MyGroup
symaccess -sid 151 list -name MyGroup -v – List all groups named MyGroup and also shows the related Masking Views
symaccess -sid 151 list devinfo -ig MyInitiator – List the details of devices assigned to the initiatorgroup MyInitiator
symaccess -sid 151 show MyStorageGroup -type storage – Shows the contents of storage group MyStorageGroup Created on Array 151
symaccess -sid 151 show MyInitiatorGroup -type initiator – Shows the contents of initiator group MyInitiatorGroup Created on Array 151
symaccess -sid 151 show MyPortGroup -type port – Shows the contents of port group MyPortGroup Createdon Array 151
symaccess -sid 151 show view MyView – Shows the contents of view MyView Created on Array 151
symaccess -sid 151 -f MyBackup.txt backup – Creates a file MyBackup containing all the group and view information currently on the Symmetrix array 151
symaccess -sid 151 -f MyBackup.txt restore – Restores all the group, view and security information from the specified backupup file
symaccess -sid 151 -type initiator -name Host1 create -wwn 1000000000000001 – Creates and initiator group called Host1 by adding the specified wwn
symaccess -sid 151 -type initiator -name Host1 add -wwn 1000000000000002 – Add the specified wwn in to the existing initiator group Host1
symaccess -sid 151 -type port -name 3E0_4E0_13E0_14E0 -dirport 3e:0,4e:0,13e:0,10e:0 create – Create the portgroup E0_4E0_13E0_14E0 with specified ports
symaccess -sid 151 -type storage -name Host1 create devs AAA:AAB – Create the storage group Host1 with specified range of devices
symaccess -sid 151 -type storage -name Host1 add devs AAA:AAB – Create the storage group Host1 with specified range of devices
symaccess -sid 151 create view -name Host1_Allocation -sg Host1 -pg 3E0_4E0_13E0_14E0 -ig Host1 –

Create a masking view combined with specified groupsymaccess
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symaccess -sid 151 -type storage -name Host1 add devs AAA:AAB – Create the storage group Host1 with specified range of devices
symaccess -sid 151 create view -name Host1_Allocation -sg Host1 -pg 3E0_4E0_13E0_14E0 -ig Host1 – Create a masking view combined with specified group

Procedure to enable/disable auto meta using Solution Enabler SYMCLI and SMC.

Solution:

If you want to create a single regular device larger than the maximum size, Symmetrix will create a metadevice instead when auto meta feature is enabled. If auto meta is disabled (which is by default), creating device fails. Auto meta feature was introduced with Solutions Enabler V6.5.1 running

Enginuity version 5773, which allows metadevices to be created in a single configuration change session.

For Enginuity 5874, the maximum device size in cylinders is 262668.

For Enginuity 5773 and earlier, the maximum device size in cylinders is 65520.

Auto meta can be enabled only if the other auto meta parameters **min_auto_meta_size**, **auto_meta_config** and **auto_meta_member_size** are set to valid values. The settings are Symmetrix-wide.

Min_auto_meta_size: Specifies the size threshold that triggers auto meta creation. When you try to create a device greater than min_auto_meta_size and auto_meta is enabled then a meta will be created. The min_auto_meta_size cannot be set less than the auto_meta_member_size, and needs to be less than or equal to the value in the table below.

Auto_meta_member_size: Specifies the default meta member size in cylinders when the auto_meta feature is enabled. Needs to be less than or equal to the value in the table below.

Auto_meta_config: Specifies the default meta config when the auto_meta feature is enabled. Possible values are CONCATENATED, STRIPED, or NONE.

Enginuity version	Max single device size (CYL)	Max single device size (GB)	Min_auto-meta_size (CYL)	Auto_meta_member_size (CYL)
5874	262668	240	262669	262668
5773	65520	59	65521	65520

To enable auto meta using Solution Enabler:

1. Run the following command to verify if auto meta is disabled: **symcfg list -sid xxxx -v**
2. If not, create a **file 1.txt** and add the following text: **set Symmetrix auto_meta=enable, min_auto_meta_size=xxxx, auto_meta_member_size=xxxx, auto_meta_config=xxxx;**
3. Run the following command: **symconfigure -sid xxxx -f 1.txt commit -nop**
4. Verify if auto meta is enabled.

To enable the auto meta using SMC:

1. Right-click the **Symmetrix ID** and select **Symmetrix Admin**, **Set Symmetrix Attributes**
2. Enable **Auto Meta** feature, and enter the **Minimum Auto Meta Size**, **Auto Meta Member Size**, **Auto Meta Configuration.**
3. Click **Add to Configure Session List** and **Commit** the change.

Posted March 23, 2012 by g6237118

6 responses to "*EMC solution Enabler*"

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Hey would you mind letting me know which hosting company you're utilizing?
I've loaded your blog in 3 different web browsers and I must
say this blog loads a lot faster then most. Can you recommend a good internet hosting provider at a fair price?
Kudos, I appreciate it!

Reply
Telecharger Destiny release

October 7, 2014 at 9:40 pm

Hi,

The credit should go to wordpress.com

Reply
g6237118

October 8, 2014 at 1:14 pm

have been able to find info on my blog

Reply
g6237118

October 8, 2014 at 1:15 pm

Would you happen
to have a script that would show how much capacity each host is using on a VMAX?

Reply
Deb Nelson

October 10, 2014 at 3:39 pm

Hi Nelson. I dont have Script . if you are On VMAX then it is two statement bash script that can get you the output

here is how i can do it if you unix system with solution enabler installed.

symaccess -sid XXXX list view|grep MV|awk {'print $1'}|while read mview;do echo $mview;symaccess -sid XXXX show view $mview $view|grep 'Total Capacity';done

Let me know if this works for you.

Reply
g6237118

October 11, 2014 at 10:25 pm

It's very simple to find out any topic on net as compared to textbooks, as I
found this article at this site.

Reply
Cheap Jobs

November 6, 2014 at 7:11 pm