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clariion reserved LUN pool expansion
revision 0.1

synopsis

The following is a simple document with screenshots providing step-by-step instructions for adding and removing capacity from the reserved LUN pool on the CLARiiON. All screenshots are based on a CX4-960 running FLARE 30 / Unisphere for Block 1.0.
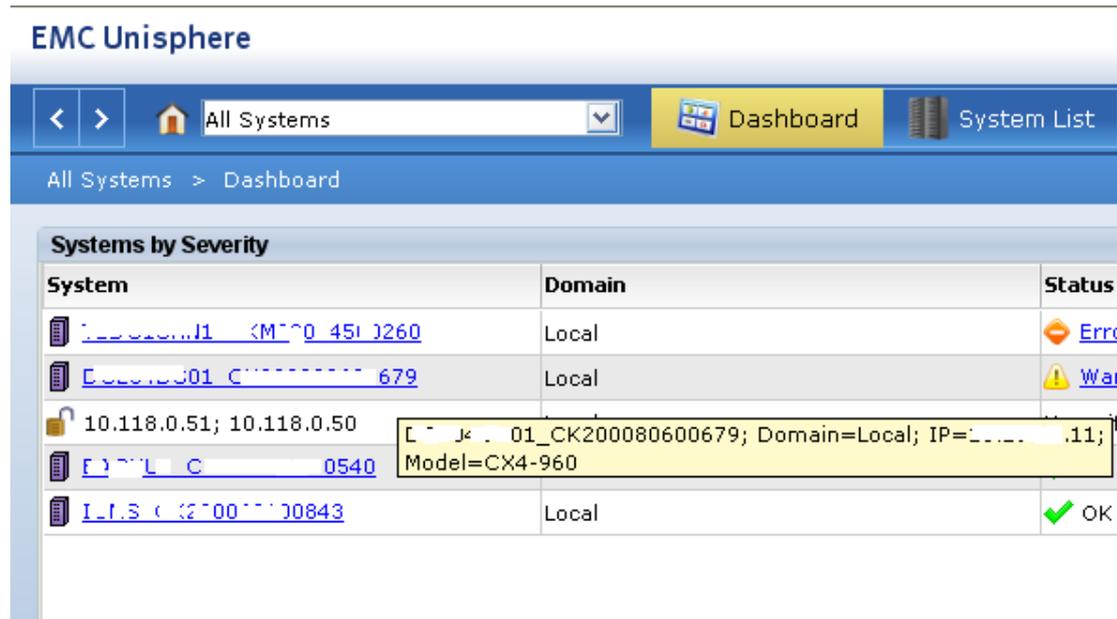
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introduction

From time to time, and as the requirements of your storage and replication environment change, you'll need to add or remove capacity to / from the reserved LUN pool (RLP) on the CLARiiON.
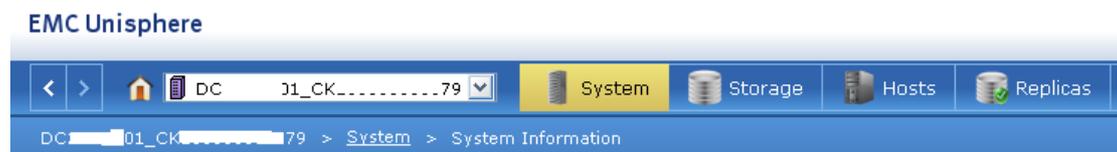
process

From the Unisphere Dashboard, select the array that you wish to add capacity to.

figure 1 - emc unisphere dashboard

You will then be presented with the default view for the array, which is the System Information section.

figure 2 - system information

Click on Replicas – Reserved LUN Pool.

figure 3 - replicas - reserved lun pool

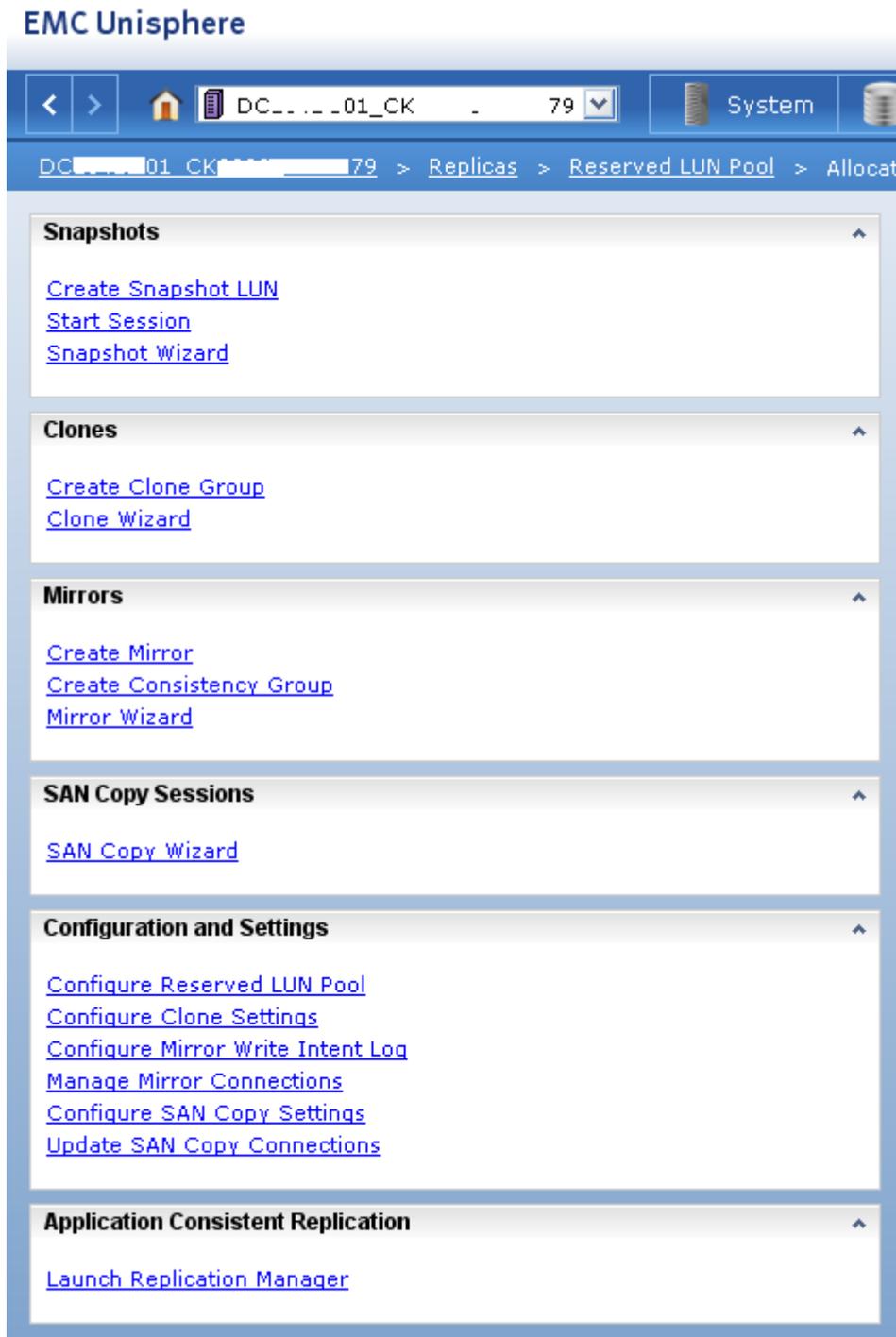Under Configuration and Settings, select Configure Reserved LUN Pool.

figure 4 - configure reserved lun pool

You will then be presented with a dialogue box that displays LUNs available for configuration, as well as LUNs that are already present in the RLP, as well as the configured capacity of the pool.
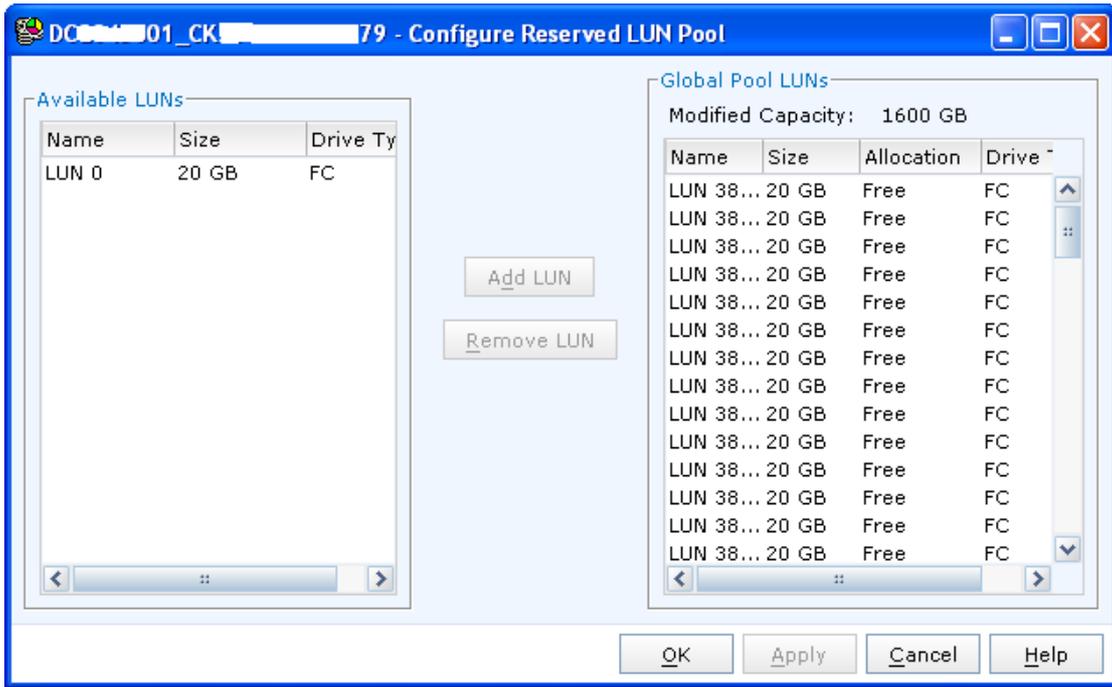
figure 5 - available luns

To add capacity to the RLP, select the desired LUN from the Available LUNs section.
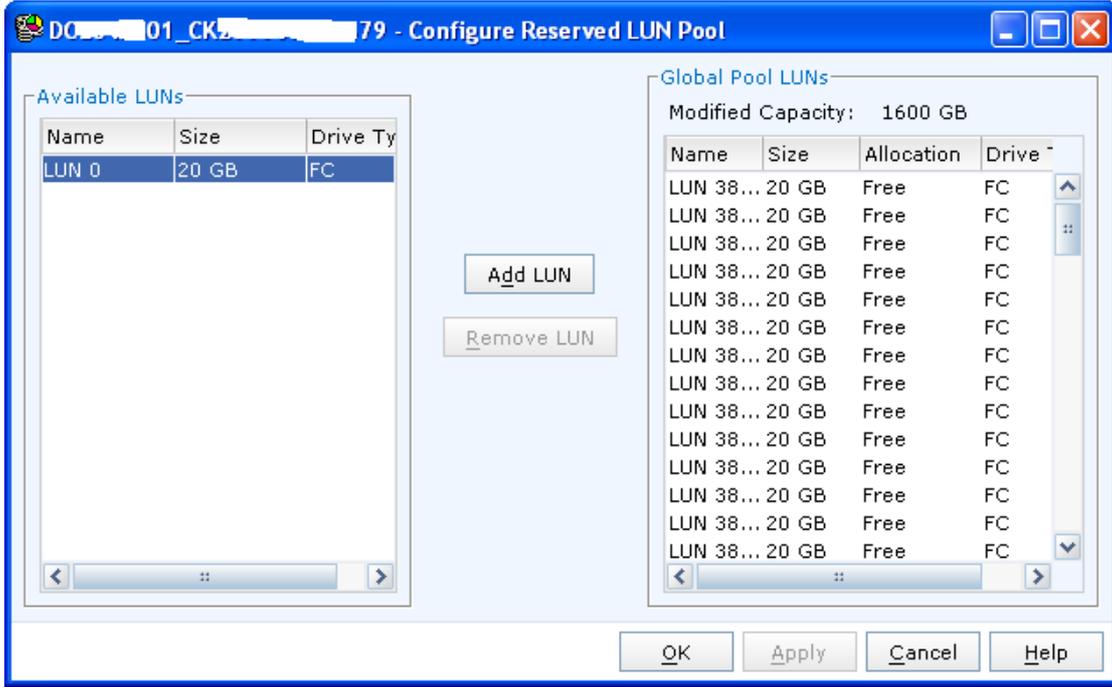

figure 6 - add available lun

Click on Add LUN to add the LUN to the RLP. Note that if you choose a LUN that is bound on the Vault drives of the CLARiiON a little reminder will pop up and remind you that you are behaving like a muppet. EMC don't recommend configure LUNs for the RLP on Vault drives, and neither do I.

figure 7 - vault drive warning

Once the LUN has been moved to the Global Pool LUNs section, click on OK to complete the changes to the configuration.
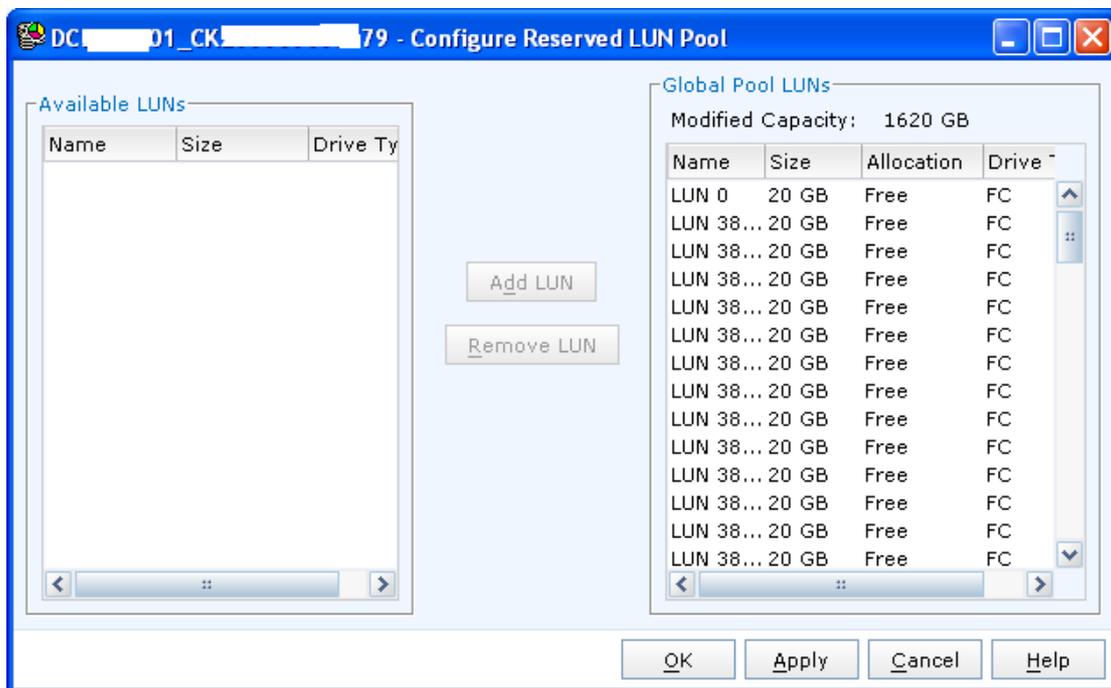

figure 8 - ok
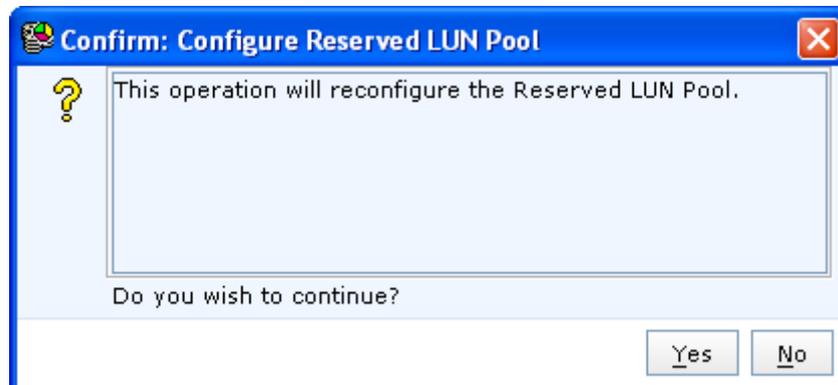
You will get a confirmation dialogue box from Unisphere.

figure 9 - confirm reconfiguration

Once you've clicked Yes on the confirmation a Success message is displayed.

figure 10 - success

If you decide you wish to remove LUNs from the RLP, you can perform the previous actions in reverse. You should note that you cannot remove a LUN from the RLP if it is allocated to current RLP activities (not marked as Free). Select the LUN you wish to remove from the RLP and click on Remove LUN.
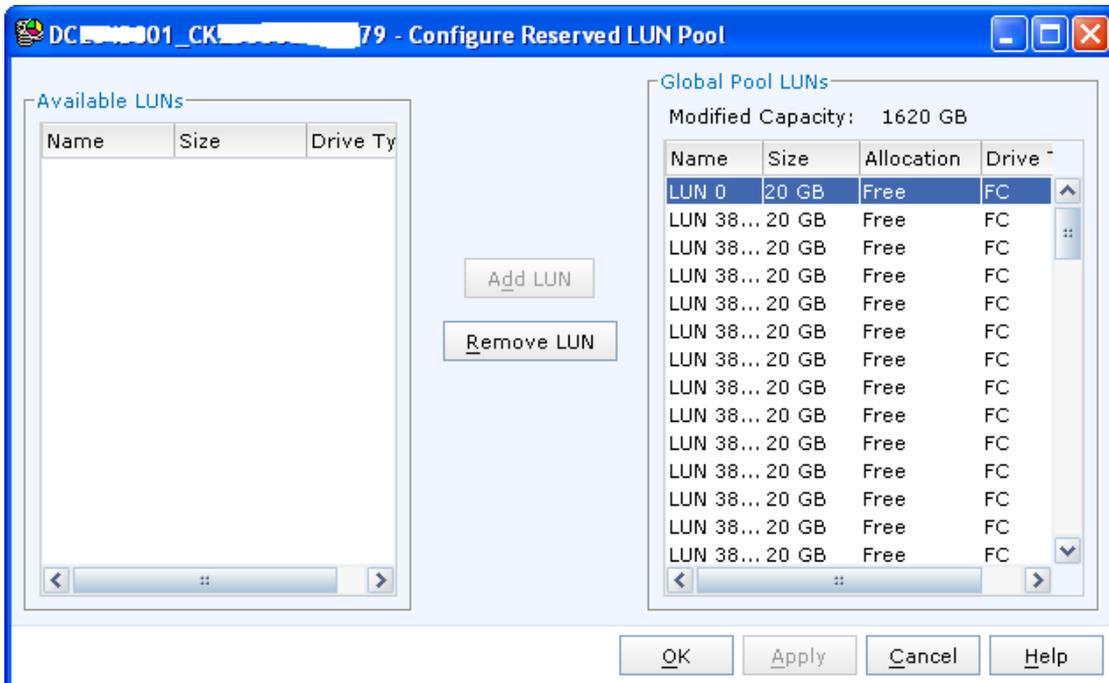

figure 11 - remove lun

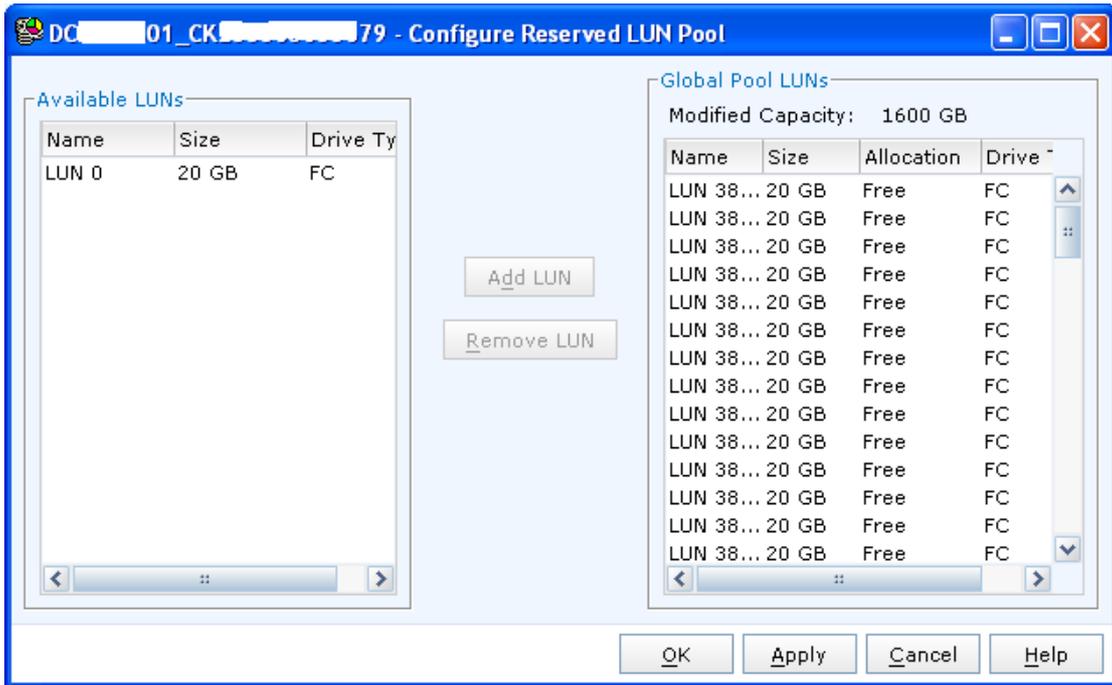The LUN will then be moved back to the Available LUNs section. Click on OK to proceed with the reconfiguration activity.

figure 12 - remove lun - ok

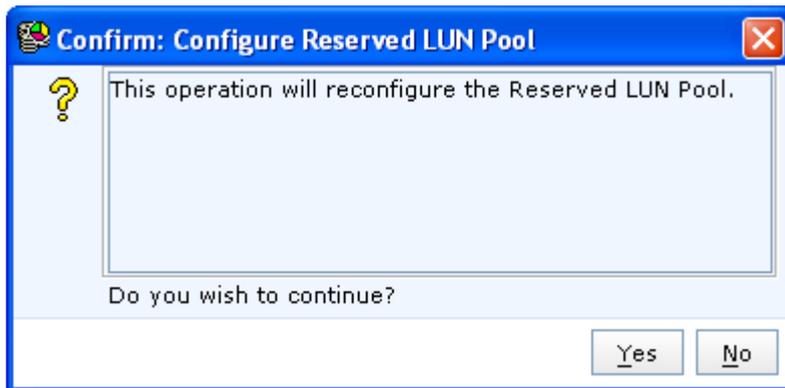Once you've clicked OK you will need to confirm that this is what you want to do.

figure 13 - confirm reconfiguration

Assuming there are no issues Unisphere will report a Success result.

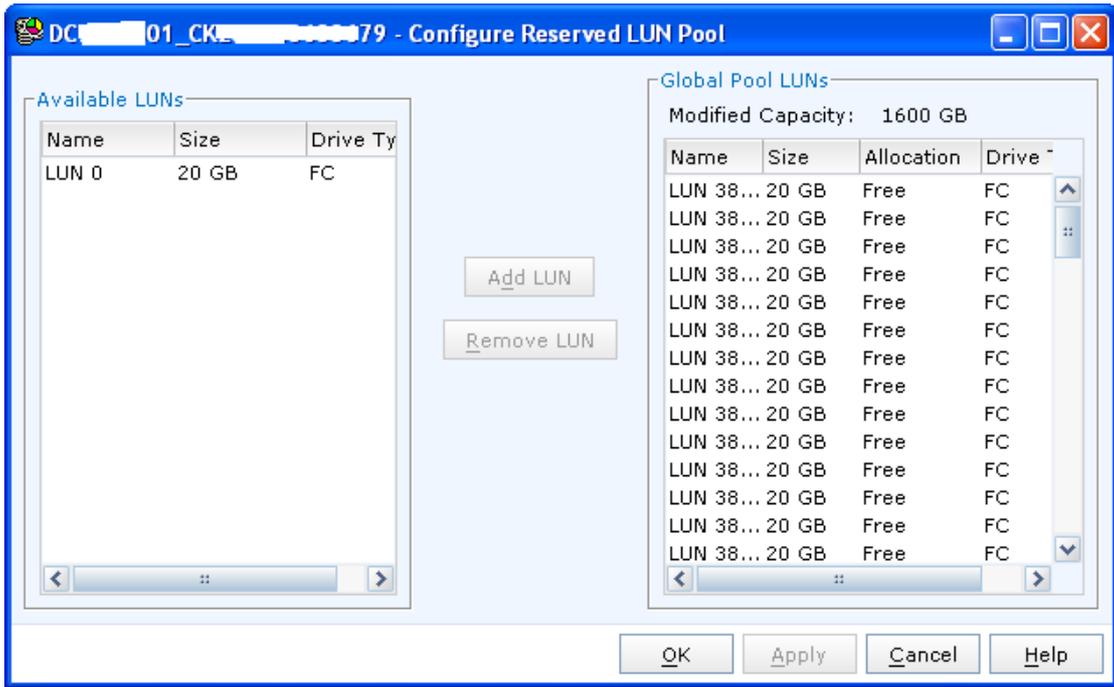**figure 14 - success**

The Modified Capacity will then show as the correct amount.

figure 15 - capacity modified