SCITEX EUROPE PRODUCT SUPPORT

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From: Thomas Metzeler

Subject: Move Legato to a new hdisk

Priority: [Urgent]

To move Legato from the system disk to another disk with preserving the indexes please follow these steps, the size of the index db must not be bigger than 1GB:

1) Backup the indexes to a dataVolume
2) Backup nsr.res to a dataVolume
3) Remove Legato and /backup
4) Configure the new disk as /backup
5) Load Legato
6) Recover the index and the nsr.res
7) Run nsrck –F
8) Verify functionality

AppendixA If the size of the indexfile is bigger than 1GB

1) Procedure to copy Legato indexes for backup:

change directory
cd /backup/nsr

A) Type the following command to copy the file index directory to a legato directory in your dataVolume (in this case ripro1.2.0/legato):

uasm -s –i ./index |(cd /dataVolumes/ripro1.2.0/legato ; uasm –r -iY)

B) Type the following command to copy the media index directory to a legato directory in your dataVolume (in this case ripro1.2.0/legato):

uasm -s –i ./mm |(cd /dataVolumes/ripro1.2.0/legato ; uasm –r -iY)

2) Copy nsr.res (Legato resources)

change directory
cd /backup/nsr

Type the following command to copy the res directory to a legato directory in your dataVolume (in this case ripro1.2.0/legato):

cp –r res /dataVolumes/ripro1.2.0/legato/

3) To completely remove Legato (including the indexes) use the commands:

nsr_shutdown –a

nsr_ize –r –s
Answer Yes to all questions.
Reboot the system.
At the command prompt type:
umount /backup
rmfs –r /backup
rm –rf /nsr

4) Configure /backup on the new disk:

Insert the disk and verify that the disk is recognised on the scsi list (**lsdev –Csscsi**) type

smit lvm

A) select **Volume Groups => Add a Volume Group**
enter the volume groupname (e.g backup disk is hdisk4, volumegroupname is svg4)
select the physicall partition size in megabyte (for a 9 GB disk the value is 16 Megabyte)
select the physical volume name (e.g. hdisk4)
and hit enter twice

B) select **Logical Volumes => Add a logical Volume**
Select the volume group that you created just before
Enter the name of the logical volume **backuplv**
Enter the number of logical partitions (for a 9GB disk 541, always one partition less than available)
And hit enter twice

C) exit smit and type
smit fs
select Add / Change / Show / Delete File Systems
select Journaled File Systems
select Add a Journaled File System on a Previously Defined Logical Volume
select Add a Standard Journaled File System
select the logical volume name **backuplv**
enter the mount point **/backup**
select yes for Mount AUTOMATICALLY at system restart?
and hit enter twice

D) exit smit and type
mount /backup
Type **df** to verify that /backup is mounted

5) Install Legato with the standard Scitex procedure using scismit or tar and nsr_ize.
See Legato 5.1.pdf, do not start Legato at this point (select start daemons at end of install NO), you do not need to configure Legato or run jb_config, as in step 6 you will copy back the res directory, that will contain all resources.

6) To *restore the indexes* use the commands:

cd/dataVolumes/ripro1.2.0/legato

nsr_shutdown –a (if runn ing)
uasm –s –i ./index | (cd/backup/nsr;uasm -r -iY)
uasm -s –i ./mm | (cd/backup/nsr;uasm -r -iY)

Then restore the resource directory:
change directory
cd /dataVolumes/ripro1.2.0/legato

Type the following command to copy the res directory from your dataVolume (in this case ripro1.2.0/legato):to /backup/nsr

cp –r res /backup/nsr/

7) start legato (/backup/bin/nsrd and /backup/bin/nsrexecd) and verify that you have 50% space free on /backup, then perform:

nsrck –F

this will verify and correct the index, during the execution of this command do not start any activity with Legato, wait until you have the message “index check completed”

8) run *inventory* from Nwadmin and start backup and recover to check functionality.

AppendixA If the size of the indexfile is bigger than 1GB

The maximum file size for root is 2097151 blocks of 512 bytes. This allows the root user to create a file of 1 GB. If the index database is bigger than 1 GB the maxfile size has to be changed to 4194302 (to allow 2 GB).To do this:
Type

smit chuser

select root
type 4194302 in the field “Soft FILE size”, do NOT change any other parameter!

Hit enter and exit smit, then exit and login as root again.
After that user “root” is able to copy files up to 2GB.

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