Electronic Software Delivery Portion of Upgrade for MG 3500

This section provides important upgrade information for the Media Gateway 3500 (MG 3500)

- Filenames for the MG 3500 software files via Electronic Software Delivery
- Instructions for preparing the ESD files for an upgrade

Note: 'Ordering code applicability' applies to both CD and Electronic Software Delivery (ESD) software delivery methods. Other sections apply to ESD only.

Filenames for the MG 3500 software files via Electronic Software Delivery

An example of the software order code for the MG 3500 release is MG3500XX.

An example of the filename for the MG 3500 is - MG3500XX.X.V.NCL.NAP.VAULT.X.D.tar.gz

Where:

MG3500XX.X refers to the ordering code for the MG 3500 software for the SNXX release (this value changes for each release)

V refers to the product release (V for VO; R for Released)

NCL refers to the software load type (NCL for non-CM load; MNCL for maintenance non-CM load)

NAP refers to the processor type

VAULT refers to the Nortel software repository source

X refers to the Nortel product repository version (if applicable)

D refers to the software file format reason (Distribution)

tar refers to a tarred file

gz refers to a zipped file

Software delivery methods

Customers receive the MG 3500 software either through electronic software delivery (ESD) or manufactured on physical media, such as a compact disk (CD) and delivered by courier to their site.

The Galaxy ESD tool accommodates global software delivery using business-to-business processes and automated electronic distribution of Nortel products to customer locations.

Galaxy compresses the software file into a tar.gz file for delivery. The file adheres to ESD filenaming conventions. The MG 3500 software is included as part of the ordering code in the MG 3500 load.

Instructions for preparing the ESD files for an upgrade

Carry out the following instructions for preparing the ESD files for an upgrade:

At the EMS server

1 Uncompress the tar.gz software files using a gzip command:

- Gunzip -d MG350080.80.V.NCL.NAP.VAULT.2.D.tar.gz

Note: This action also untars the files and establish the files in the appropriate directory structure

2 Access the directory that contains the individual files:

- cd /MG350080.80.V.NCL.NAP.VAULT.2.D

3 mount ISO image as a device:

- Set up the image for mounting

  /usr/sbin/lofiadm -a /tmp/a.iso /dev/lofi/7

  /tmp/a.iso is the pathname to the iso image. Your pathname and file will be different. Example: /MG350080.80.V.NCL.NAP.VAULT.2.D/MG3500_2_1_25.tape

  Note: The device of /dev/lofi/7 must be un-used. Lofi is the loopback file driver. The number can be 1,2,3,…7…etc

- In case the same device is to be used for mounting multiple images, the device should be unmounted before it can be used to mount the next image. To unmount the device, use the following procedure:

  umount /mnt

  /usr/sbin/lofiadm -d /dev/lofi/7

or

/usr/sbin/lofiadm -d /tmp/x.iso

where /tmp/x.iso is the previous mounted iso image

- Mount the image:

  # mount -F hsfs -o ro /dev/lofi/7 /mnt

  /mnt is the mount point

  The iso image is now mounted and accessible

- list the mounted file

  ls -l /mnt

  The contents will look something like this:

  /mnt/sc_install.pl

  /mnt/sc_software.tar or
  /mnt/sc_software.tar.gz

  /mnt/tg_x.y.z_nt.ems

  /mnt/Tools/*

  /mnt/Tones/*

4 FTP the .tar or .tar.gz file and .ems file to the EMS client:

From the client machine:

ftp <EMS server machine>

login

binary

get sc_software.tar

(or get sc_software.tar.gz)

ascii

get tg_x.y.z_nt.ems

bye

5 Rename the **sc_software.tar** to be **sc_software_x.y.z.tar** (or **sc_software.tar.gz** to be **sc_software_x.y.z.tar.gz**), to avoid duplicate file name in Software Manager in EMS client.

Rename **sc_software.tar** to **sc_software_x.y.z.tar**

where x.y.z is the version number of the MG3500 software

6 Launch the EMS client and from the Tools menu select Software Manager.

7 From the Actions menu select Add File and click on the folder next to the window labeled "TAR or TAR.GZ" and browse to the **sc_software_x.y.z.tar** or **sc_software_x.y.z.tar.gz** file. Click on the folder next to the window labeled "EMS" and browse to the **tg_x.y.z_nt.ems** file.

8 Click OK. The new file is now added to the Software Manager and ready for deployment.

9 If other files in /mnt are needed, download them from /mnt in EMS Server via ftp as in step 4 above

10 Ensure to unmount the device when no longer in use:

umount /mnt

/usr/sbin/lofiadm -d /dev/lofi/7

or

/usr/sbin/lofiadm -d /tmp/a.iso

where /tmp/a.iso is the current mounted iso image.