# Solution Architect Inventory Preparation Instruction

## Context Description

- The Deployment Description Inventory models specific provisioning details related to - for instance - network interfaces, software components, software applications and their configurations. For each deployment the specific characteristics of these various components will vary according to the real underlying hardware: IP addresses, user names, passwords etc. This instruction describes how to use a provided **Site Engineering Data** XLS file for TOR to generate a Deployment Inventory script - in Sprint 20 it will consist of LITP CLI commands; in future sprints it will be XML - which can then be used to create the Inventory.

### Prerequisites

1. The LMS IP address and root password is known.
2. **Site Engineering Data** is available and filled in.
3. You have access to the deployment_description_inventory.sh and create_site_specific_inventory.pl

### Expected Result

- A site specific deployment_description_inventory.sh is created.

### Steps

1. Log in to your Windows computer.

2. Open the **Site Engineering Data** XLS file for TOR in Excel.

3. Edit the file to add site specific information.

    a. **export1 share on SFS:**
    This section is for supplying details of the SFS hardware. Supply a VIP associated with the SFS NAS for export1_IP. Make sure the user and password are set correctly for your SFS. Supply the path to your export1 SFS share for export1_path. Set export1_storage_pool to the name of the SFS Storage Pool you created during the storage commissioning stage.
    b. **storadm share on SFS** and **storobs share on SFS:**
    These are configured in much the same way as export1 above.
    c. **LITP MS IP:**
    IP address for the LITP MS.
    d. **node1 IP:**
    VIP address for SC-1
    e. **node2 IP:**
    VIP address for SC-2
    f. **Service Group 1 Service instance 0 IP:**
    VIP address for JBOSS SG1 instance 0
    g. **Service Group 1 Service instance 1 IP:**
    VIP address for JBOSS SG1 instance 1
    h. **control SFS IP:**
    VIP address for the SFS (in LITP samples this was the same as used in a. above)
    i. **tipc:**
    TIPC address pool details
    j. **VCS:**
    Two VIPs need to be allocated to this part one from each blade.
    k. **JEE mountpoints:**
    can be left unchanged

l. **SAN:**
   SAN configuration details, IP adresses for SPA and SPB as well as username and password as well as type and login scope
m. **SAN device san1** and **SAN device san_pds:**
   for the parameter storePoolId use the RAID group number from the storage preparation stage.
n. **enclosure1** and **enclosure2:**
   details of the blade enclosures. Use the same details for both if the blades are co-located in a single enclosure. OAIP1 and OAIP2 can be got by checking the TCP/IP details under Active Onboard Administrator and Standby Onboard Administrator respectively in the blade enclosure ILO.
o. **DL380:**
   update the MAC address of the LITP MS
p. **blade1** and **blade2:**
   blade hardware details
q. **NTP:**
   NTP server address
r. **user passwords:**
   Output of running the python crypt command on the selected passwords; $ must be escaped with \\\
s. **mysql password:**
   MYSQL server password
t. **sfsmachine:**
   More SFS hardware details, update MAC address and system name. Use the MAC address of whichever NIC your SFS console IP belongs to

   **Note**: It shouldn't be be necessary to change the parameters in the remaining sections. Save your spreadsheet at this stage.

4. Generate the SiteEngineering file. Press the "Generate" button to create the SiteEngineering file. Save it somewhere convenient on your local file system.

5. Upload the following files to LMS using an SFTP client, e.g. PSFTP or FileZilla. The XML files may be put in /opt/ericsson/nms/litp/bin/samples/DL380/.

   * File **deployment_description_definition.xml**
   * The inventory template file **dl380_multi_blade_inventory_template.sh**
   * The inventory generation script **createSiteSpecificInventory.pl**
   * The **SiteEngineering** file

6. Log in to LMS.

7. Inspect the site engineering file (using cat, more, less, vi etc) to ensure you don't see any of the following two characters: Å and ^M. If you find any of these characters in the file you must run the following commands to get them removed.

```
mv <filename_inventory.sh> > <filename_inventory.sh.orig>
vi <filename_inventory.sh>   # Delete all occurencies of Å and save the file.
sed 's/'"$(printf '\015')"'//g' <filename_inventory.sh.orig> >
<filename_inventory.sh>   # This command will delete all occurencies of ^M in
the file.
```

8. Run the inventory generation script. The usage of the script is as follows:

.> createSiteSpecificInventory.pl <Site Engineering file> <dl380_multi_blade_inventory_template.sh file> <output filename>