

### Pre-req checklist before you use the site:

1. Familiarize yourself with the key download sections in the Storage Manager Console (SMC) Info Center before downloading and activating code.
    - a. *Internet Browser Support*
    - b. *Management Console Requirements*
    - c. *Upgrading the DS6000 code level (real-time only)*
    - d. *Upgrading the DS Storage Manager on the Windows operating system in unattended (silent) mode*
    - e. *Upgrading your system to use DS CLI*
    - f. *Upgrading the DS Storage Manager on a Windows operating system using the graphical mode*
- ☐ I am using a DEDICATED machine for my SMC (*note: it is required that you access and download code from a dedicated SMC to insure reliability Non-dedicated machines may contain third party software that may produce unexpected results*)
- ☐ I am using a supported web browser
- ☐ I have enabled animation in my browser
- ☐ I have resolved all network issues that might prevent me from accessing the web
- ☐ I have checked and am aware of the current level of code on my DS6000

### Quick Reference Guide:

Once you have completed the Pre-req checklist and feel comfortable with the features of your DS6000 you can begin downloading and upgrading your DS6000 machine code, Storage Management Console code and your GUI/CLI code.

1. From your SMC select “Check for firmware updates” option from the main menu. This will take you to the support page for the TotalStorage DS6800. Under the “download” tab select on the “Downloadable Files” link. This will take you to the login screen for DS6000 Code Downloads.
2. If you are a new user and do not already have a universal IBM user ID you will need to select the option to “register now” (If you have a PartnerWorld® or developerWorks™ user ID, that is considered your IBM ID). **Once you have registered PLEASE be sure to document your ID and password for future use.**
3. Once you have successfully logged in you will be asked to review and accept the license agreement to continue onto the download page.
4. Once you accept the license agreement you will then have the option to download code.
5. Download and familiarize yourself with the code release notes. Compare your current DS6000 code level to the available code level and insure all pre-reqs are

met before continuing on.

6. Download your code. There are 2 options for downloading code:

### **ZIP File Bundle**

This option contains .zip files of the DS6000 Storage Manager, and DSCLI as well as the microcode download image. You will need to unzip the 2 zip files inside this bundle to install the DS6000 Storage Manager and the DSCLI. The DS6000 Microcode is ready to be downloaded to the DS6000 and does not need to be changed in any way. After unzipping this file you will have SEA.JAR, DSCLI-xxxx.zip and DS6000StorageManager\_WIN\_xxxx.zip (where xxxx is the version number). Use the SEA.JAR file to upgrade your DS6000 Microcode. Unzip the remaining 2 zip files for the DS6000 Storage Manager and the DSCLI and run the setup programs that were inside the zip files to upgrade the DS6000 Storage Manager and the DSCLI. For unix customers, there is also a DSCLI-xxxx.tar.gz file containing all the DSCLI code for installation on UNIX platforms.

### **ISO CD-ROM Bundle**

This option contains 3 ISO CD-ROM image files (DS6000 Microcode, DS6000 Storage Manager, and DSCLI). You will need to make 3 CD-ROMs from the images contained in this bundle to install the microcode. You will then use the SEA.JAR file on the DS6000 Microcode CD to update the DS6000 Microcode. After upgrading DS6000 Microcode you will use setup.exe on the DS6000 Storage Manager CD to upgrade the DS6000 Storage Manager. Finally, you will use the setup program on the DSCLI CD to upgrade the DSCLI. The DSCLI CD contained in this bundle is installable on all platforms

7. Once the code has been downloaded and prepared you can continue on with your code upgrade using the steps outlined in the Info Center under the section titled: *Upgrading the DS6000 code level (real-time only)*

**Note: Before you begin this task, you must resolve any current system problems. Refer to the IBM TotalStorage DS6000 troubleshooting information in the Information Center. If you need additional assistance to resolve these problems, contact IBM support. For a nonconcurrent firmware update, you must stop all I/O prior to starting the firmware update.**

### **Hints/Tips:**

1. The transfer of a code bundle can take an avg of 10 min to download when using the *Download Director*
2. Upgrade the attached DS6000 before upgrading the GUI/CLI.

3. Upgrading 2 DS6000 from a Single (1) SMC simultaneously is NOT supported via GUI.
4. You may not find an entry in the “long running tasks summary” screen after successfully activating code. This will be corrected in a future code release.
5. The Info Center does not mention downloading the DS6000 machine code. It only mentioned the SMC and GUI/CLI code. This will be corrected in a later version of Info Center.
6. There is no indication of Transfer and Activation time. Although the system may appear hung it is not. Wait for either Success or Failure message in the long running task pane. The process can take over an hour to complete.