Installing a Hot-Fix

This task explains what a Hot-Fix is and how to install it.

What Is a Hot-Fix ?

A Hot-Fix is a software maintenance package containing a small number of code fixes, designed to fix a small number of critical problems. A Hot-Fix enables a customer to receive fixes for urgent problems, without having to wait for the next service pack.

Unlike the General Availability (GA) and Service Pack (SP) levels, which are scheduled, periodic releases, Hot-Fix releases are not periodically scheduled.

Simply requesting a Hot-Fix does not automatically guarantee that the customer will receive it: all Hot-Fix requests first must be approved and accepted by Dassault Systèmes prior to delivery.

Furthermore, a Hot-Fix may contain fixes related to problems reported earlier by different customers. All the files included in the Hot-Fix will nevertheless be installed.

How Are Hot-Fixes Distributed ?

Hot-Fixes are provided as a single, compressed file.

Naming Convention

Hot-Fix code files are named according to the following naming convention:

HotFix<Prod><RxxxSyyyHzzz>.YYY.UUU.MM-DD-YYYY.hh.mm

Where :

Prod = V5x for CATIA/ENOVIA V5 family
Rxxx = Release Level in 3 digits (e.g. R016, R017)
Syyy = Service Pack Level in 3 digits (e.g. S006, S007)
Hzzz = Hot-Fix number (e.g. H001, H002, H003)
YYY = cab for Windows or tar.Z or tar for UNIX
UUU = intel_a or aix_a, aix_a64, hpux_b, solaris_a, irix_a
MM-DD-YYYY.hh.mm = Date and Time Stamp of HotFix

For example:
HotFixV5xR017S002H008.cab.intel_a.01-18-2007.10.52

Remark :
Each Hot-Fix is delivered with an information file which lists the solved problems and installed files :
HotFix<Prod><RxxxSyyyHzzz>APARlist.MM-DD-YYYY.hh.mm

For example :
HotFixV5xR017S002H008APARlist.01-18-2007.10.52

On Which Level Can a Hot-Fix Be Installed ?

A Hot-Fix is built on only one GA+SP level, and can only be installed on the same GA+SP level.
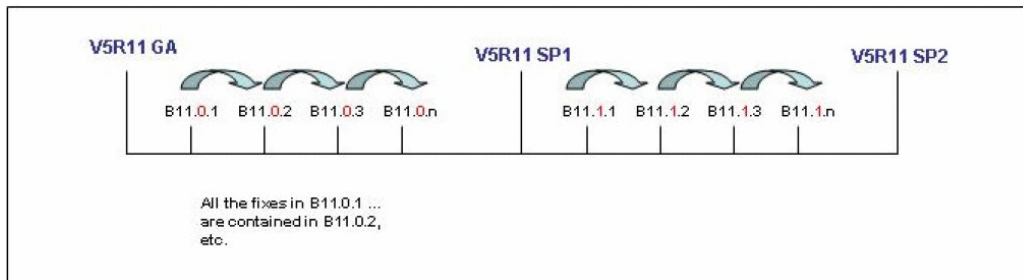
The nomenclature for the Hot-Fix is as follows:

- the GA level : B11
- the build level : 0 if the Hot-Fix is built on the GA level, 1 if built on the service pack 1 level, etc.
- the Hot-Fix number.

Consequently, the first Hot-Fix on the V5R11 GA level would be:
`B11.0.1`

For a given GA+SP level, Hot-Fixes are cumulative, as illustrated below:

For example, Hot-Fix B11.0.2 contains both new fixes and the fixes delivered with Hot-Fix B11.0.1.

Uninstalling Previous Hot-Fix

A Hot-Fix cannot be installed if a Hot-Fix is already installed. Consequently, you must uninstall the previous Hot-Fix before installing a new Hot-Fix.

Similarly, a service pack cannot be installed if a Hot-Fix is already installed. Consequently, you must uninstall the Hot-Fix before installing a new service pack.

If you are installing a Hot-Fix on a service pack level, the service pack has to be committed beforehand.

Unlike a service pack, a Hot-Fix cannot be committed.

You uninstall a Hot-Fix using the Hot-Fix Uninstall tab which is added to the `Software Management` tool when a Hot-Fix is installed.

Miscellaneous Constraints and Restrictions

Keep in mind the following constraints and restrictions when installing Hot-Fixes:

- The installation process does not analyze which products have already been installed and does not filter the files for installation depending on which product lines have already been installed: all files included in a Hot-Fix are installed automatically. This means, for example, that files belonging to ENOVIA 3d com may be installed on a CATIA installation.

- If there is a Hot-Fix already installed, you cannot install additional configurations or products without first uninstalling the Hot-Fix.

- Once a Hot-Fix has been installed, integrity checking (performed using the `Software Management` tool) at level 3 is no longer available since the appropriate option is grayed out in the Check Integrity tab

- Once a Hot-Fix has been installed, the `CATDeltaInstall` command cannot be run.

For illustration purposes, this scenario is based on the V5R11 release. All paths reference V5R11 installations, and the screen shots were also based on the V5R11 release. The basic operating principles and step-by-step instructions are of course applicable to later releases.

Installing and Uninstalling a Hot-Fix on Windows

We assume that you have already downloaded the Hot-Fix to your computer before continuing.

Using the Graphic User Interface

1. Log on as an administrator.

You must belong to the Administrators group, or have the privileges assigned to the Administrators group. Otherwise, you will not be able to install the different levels on the source computer.

2. Use a packing utility (for example, WinZip), to extract the contained files and subdirectories (for example, INTEL) into an empty folder.
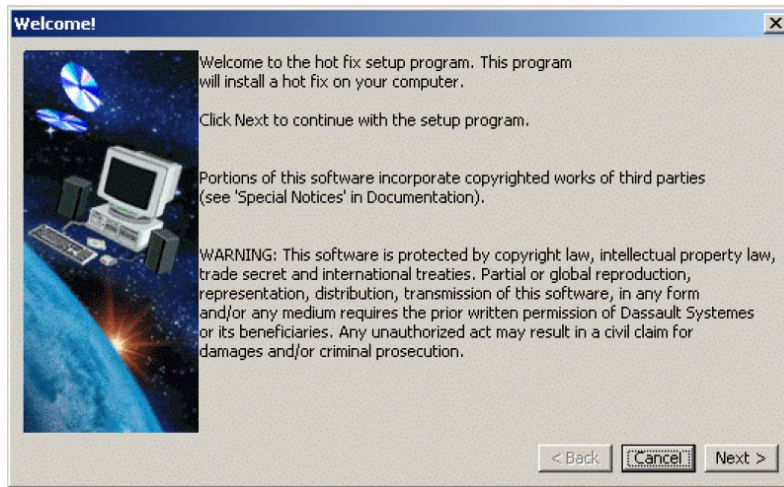
3. Select `Start -> Programs -> Accessories -> Command Prompt` to open a Command Prompt window.

4. Go to the folder into which you extracted the files, then to the INTEL folder.

5. Enter the command:
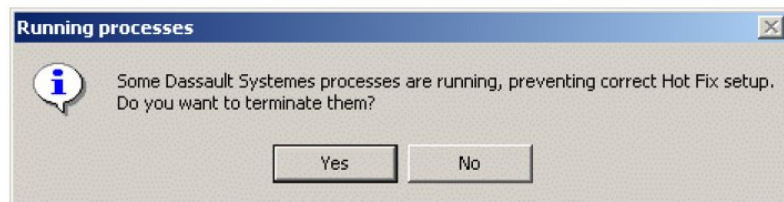
```
StartHFX
```

The Welcome dialog box is then displayed:

If several GA levels are installed, the "Choose Destination" dialog box will prompt you to choose the GA level on which you want to install the Hot-Fix.
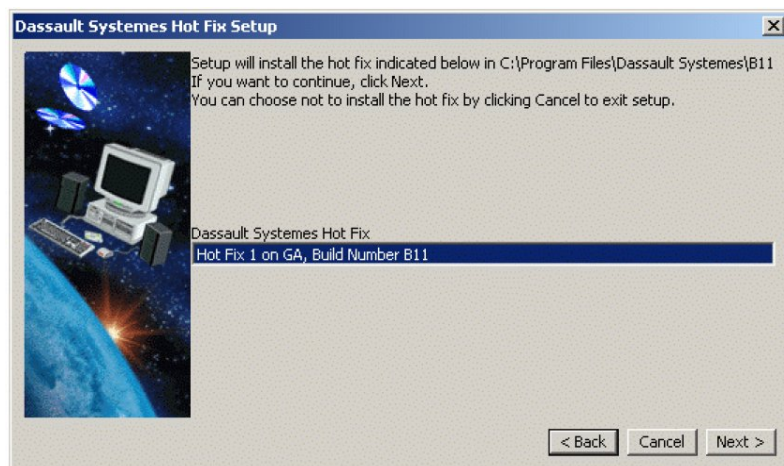
6. Click the Next button to move to the next step.
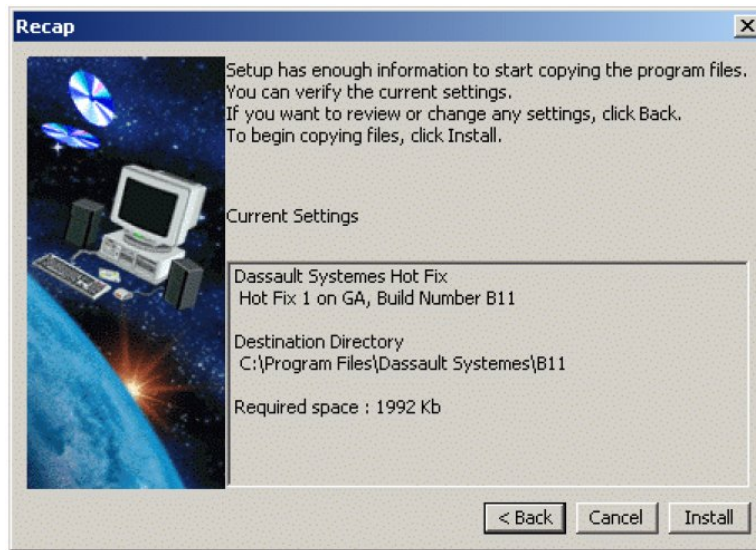If any Version 5 processes are still running, the following dialog box appears:

7. Click the Yes button to move to the next step.

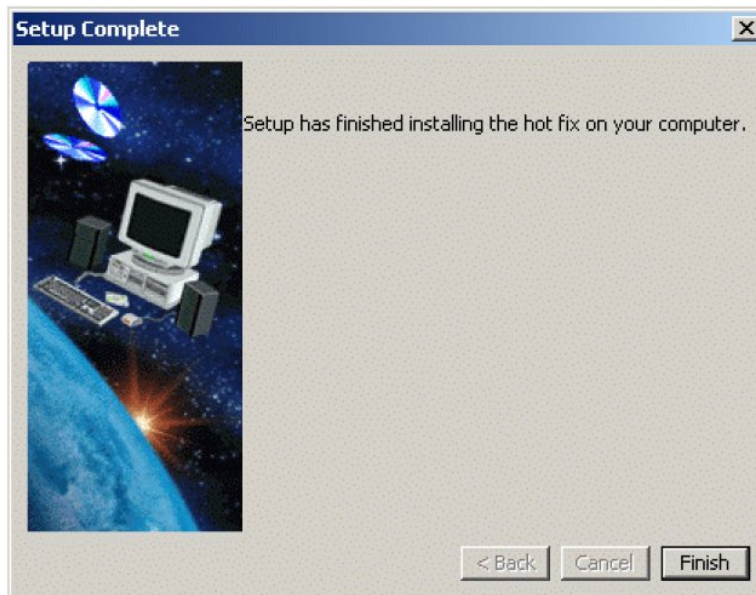The Dassault Systèmes Hot-Fix Setup dialog box appears:

8. Click the Next button to move to the next step.

The Recap dialog box appears:

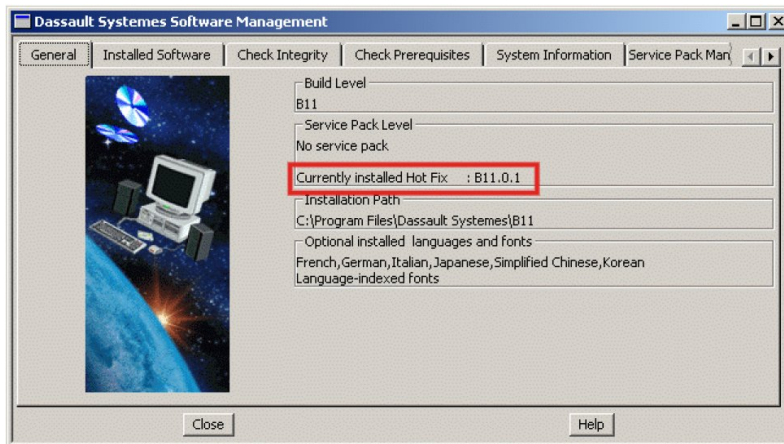**9.** Click the Install button to install the Hot-Fix.

The Setup Complete dialog box appears:

10. Click the Finish button to exit the installation.

11. You can now check the level of your installation. For example, if you installed CATIA, select the `Start->Programs->CATIA->Tools->Software Management` command.
In the General tab, the number of the Hot-Fix you just installed is displayed beneath the service pack level information like this:

```
Currently installed Hot-Fix : B11.0.1
```
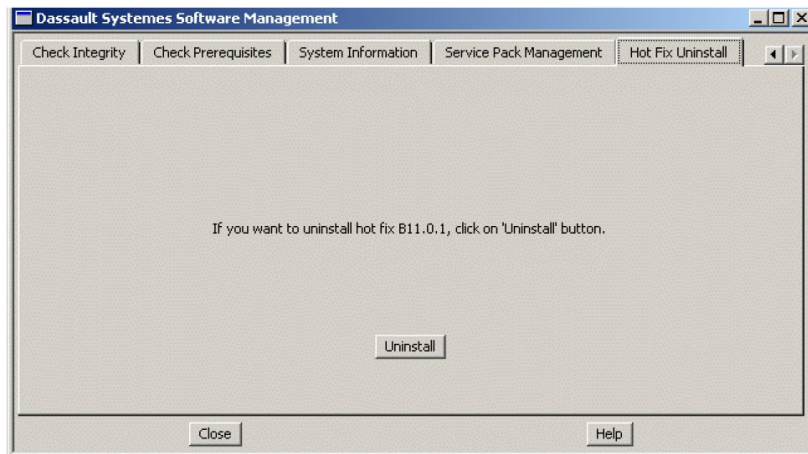
You can also check the level by selecting the `Help->About` command in an interactive Version 5 session.

12. We explained earlier that before installing another Hot-Fix or a service pack, you first have to uninstall the current Hot-Fix. If you attempt to install another Hot-Fix, for example, an error message like this will be displayed:

```
You need to remove Hot-Fix B11.0.1 before installing B11.0.2
```

To uninstall the current Hot-Fix, click the Hot-Fix Uninstall tab to the far right of the Dassault Systèmes Software Management dialog box:

This tab is added to the Software Management tool only a Hot-Fix is installed.

13. Click the Uninstall button.

The Hot-Fix is uninstalled, and all trace of the Hot-Fix in the General tab will be removed. if you exit then rerun the Software Management tool, the Hot-Fix Uninstall tab will have disappeared.

Installing a Hot-Fix in Batch Mode

1. Log on as an administrator.

You must belong to the Administrators group, or have the privileges assigned to the Administrators group. Otherwise, you will not be able to install the different levels on the source computer.

2. Use a packing utility (for example, WinZip), to extract the contained files and subdirectories (for example, INTEL) into an empty folder.

3. Select `Start -> Programs -> Accessories -> Command Prompt` to open a Command Prompt window.

4. Go to the folder into which you extracted the Hot-Fix files, then to the `Intel` folder.

5. Enter the command:

StartHFXB

with the appropriate arguments.

StartHFXB Command Syntax

StartHFXB [-u unloaddir] [-killprocess] [-v] [-h]

-u "unload_dir": specifies the unload directory (not necessary if only one GA level is installed, since the path is read from the registry); make sure the directory path is enclosed like this: "unload dir" if the directory name contains spaces.
-killprocess: kills any running Version 5 processes before installing the Hot-Fix
-v: verbose mode
-h: displays help.

Uninstalling a Hot-Fix in Batch Mode

1. Log on as an administrator.

You must belong to the Administrators group, or have the privileges assigned to the Administrators group. Otherwise, you will not be able to install the different levels on the source computer.

2. Select `Start->Programs->Command Prompt` to open a Command Prompt window.

3. Go to the following installation folder, for example:
`install_folder\code\bin`

4. Enter the command:
CATSoftwareMgtB –hfxR

Installing and Uninstalling a Hot-Fix on UNIX

We assume that you have already downloaded the Hot-Fix to your workstation before continuing.

Using the Graphic User Interface

1. Logon as root.

2. If the Hot-Fix file name contains ".Z", rename the Hot-Fix file to a name with extension ".Z" (for example: `mv <Hot-Fix file> <Hot-Fix file>.Z`), and then decompress the file (for example: `uncompress <Hot-Fix file>`).

3. Extract the contained files and subdirectories into an empty directory (for example: `tar -xvf <Hot-Fix file>`).

4. Go to the directory into which you extracted the Hot-Fix files.

5. Enter the command:

`./start`

to start the installation procedure, or:

`./start -s`

if you want to start the installation procedure without the accompanying music.
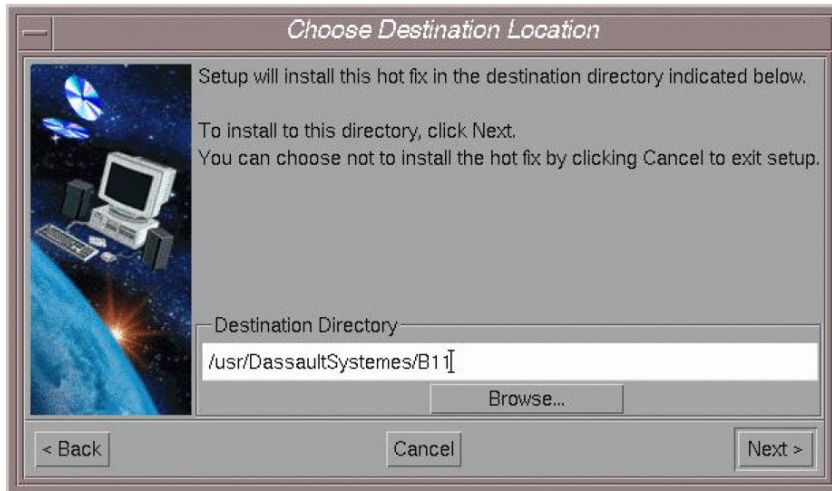
The Version 5 setup program will be run. The setup program checks you have the correct prerequisites. Then, the Welcome dialog box greets you. The setup program invokes a full self-explanatory graphical interface which walks you through the installation.

6. Click the Next button to move to the next step.

The Choose Destination Location dialog box appears. A default destination folder is already proposed:
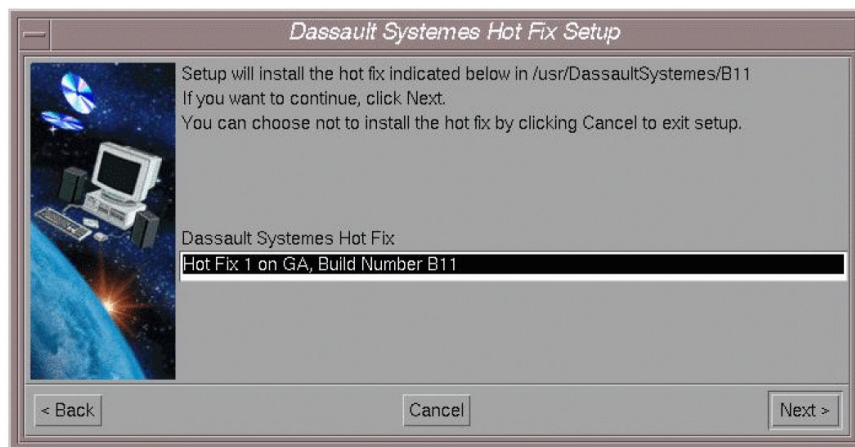
`/usr/Dassault Systemes/B11`

7. If the default destination directory is suitable, click the Next button to move to the next step, or click the Browse... button and navigate to select another folder and click OK.

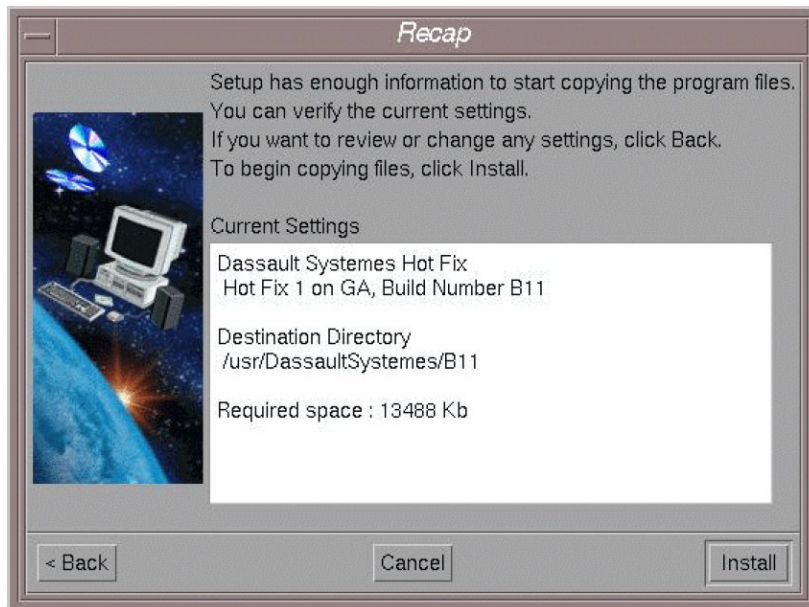The directory must exist, otherwise an error message will be displayed.

8. Click the Next button to move to the next step.

The Dassault Systèmes Hot-Fix Setup dialog box appears:

9. Click the Next button to move to the next step.

The Recap dialog box appears:

10. Click the Install button to install the Hot-Fix.

The Setup Complete dialog box appears.

11. Click the Finish button to exit the installation.

12. You can now check the level of your installation. To do so, enter the command:
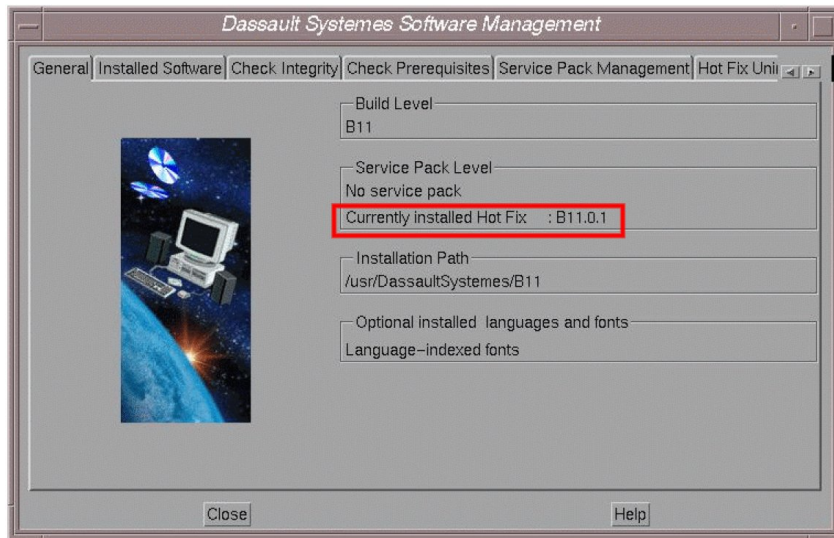`/usr/DassaultSystemes/B11/OS/code/command/`**`catstart -run CATSoftwareMgt`**

where "OS" is:
- aix_a
- hpux_b
- irix_a
- solaris_a
- aix_a64

In the General tab, the number of the Hot-Fix you just installed is displayed beneath the service pack level information like this:
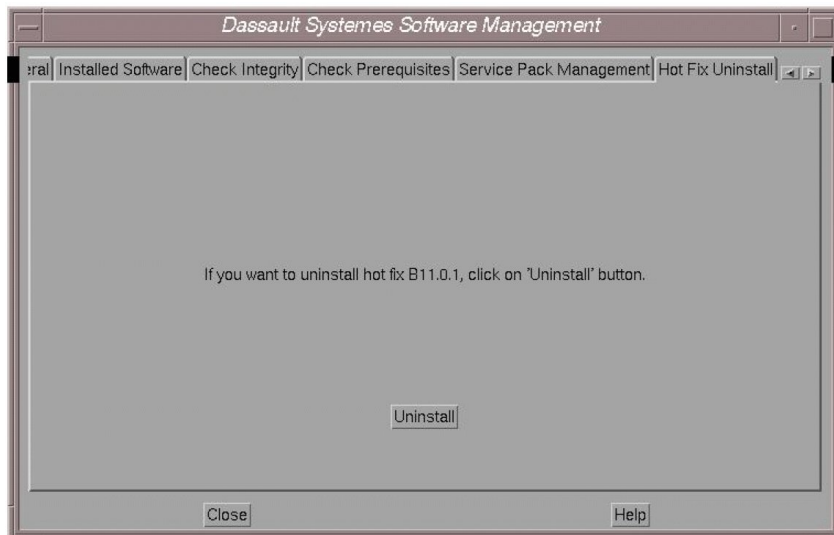
`Currently installed HFX : B11.0.1`

13. We explained earlier that before installing another Hot-Fix or a service pack, you first have to uninstall the current Hot-Fix. If you attempt to install another Hot-Fix, for example, an error message like this will be displayed:

```
You need to remove Hot-Fix B11.0.1 before installing B11.0.2
```

To uninstall the current Hot-Fix, click the Hot-Fix Uninstall tab to the far right of the Dassault Systèmes Software Management dialog box:

This tab is added to the Software Management tool only when a Hot-Fix is installed.

14. Click the Uninstall button.

The Hot-Fix is uninstalled, and all trace of the Hot-Fix in the General tab will be removed. If you exit then rerun the Software Management tool, the Hot-Fix Uninstall tab will have disappeared.

Installing a Hot-Fix in Batch Mode

1. Log on as root.

2. If the Hot-Fix file name contains ".Z", rename the Hot-Fix file to a name with extension ".Z" (for example: `mv <Hot-Fix file> <Hot-Fix file>.Z`), and then decompress the file (for example: `uncompress <Hot-Fix file>`).

3. Extract the contained files and subdirectories into an empty directory (for example: `tar -xvf <Hot-Fix file>`).

4. Go to the directory into which you extracted the Hot-Fix files.

5. Enter the command:

```
./start -b -s
```

Running the command with at least one argument other than "-s" starts the installation in batch mode, without having to specify the "-b" argument.

start Command Syntax

```
start [-b] [-u unloaddir] [-killprocess] [-v] [-s] [-h]
```

-b: specifies that you want to install in batch mode
-u "unload_dir": specifies the unload directory; the default unload directory is: `/usr/Dassault Systemes/B11`
-killprocess: kills any running Version 5 processes before installing the Hot-Fix
-v: verbose mode
-s: without music
-h: displays help.

Uninstalling a Hot-Fix in Batch Mode

1. Log on as root.

2. Enter the command:

`/usr/Dassault Systemes/B11/OS/`**`catstart -run "CATSoftwareMgtB -hfxR"`**

where "OS" is:
- aix_a
- hpux_b
- irix_a
- solaris_a
- aix_a64