# HP Workstation System Firmware (BIOS) Update
# Windows Softpaq Instructions

This document describes how to update ("flash") your HP Workstation system firmware (BIOS) from Microsoft Windows or from the BIOS user interface, using the files included in this Softpaq.

## Index

## I.    Softpaq Contents

The following files are included in this Softpaq:
```
BIOS Flash.htm
History.htm
HPBIOSUPDREC.exe
HPBIOSUPDREC64.exe
HpqPswd.exe
```
BIOS Binary (e.g., `M60_0116.bin`)
`WS_Flash_Instructions.pdf` (this file)

## II.   File Descriptions

**BIOS Flash.htm**
General help for flashing the BIOS, with links to documents and applications.

**History.htm**
Lists changes to the system BIOS by release.

**XXX_XXXX.bin**
BIOS binary file. The BIOS family is followed by version of the BIOS, e.g. `M60_0116.bin` where M60 is the family and 01.16 is the version.

**HPBIOSUPDREC.exe**
Windows utility to update the BIOS. It launches with a graphical interface by default. It can be run from a command line as follows:

```
HPBIOSUPDREC [-s] [-p PasswordFile] [-fBinaryFile] [-a] [-h] [-b] [-?]

-s    Silent mode.
-p    Specify encrypted password file created with the HpqPswd utility.
-f    Specify the BIOS Binary (.bin) file in same folder as exe.
-a    (Silent mode only) Always flash, ignore version comparison.
```

```
-h     Create HP_TIIKS partition if not present.
-?     Display usage.
-b     Suspend Bitlocker if needed.
Running the application with no options launches the graphical user interface.
```

**HPBIOSUPDREC64.exe**

64-bit version with the same syntax as `HPBIOSUPDREC.exe`. Certain environments require the 64 bit version.

**HpqPswd.exe**

Windows utility to encrypt the Setup password. When running `HPBIOSUPDREC.exe` interactively, it will prompt you for the Setup password if one is set. In order to run `HPBIOSUPDREC.exe` unattended, you need to provide it with an encrypted form of the Setup password, using this Windows utility. It can be run from a command line as follows:

```
HpqPswd [-s] [-p"password"] [-f"filename"] [-?]

-s               Run in silent mode
-f"filename"     File name and path, to save the encrypted password
-p"password"     Password to encrypt
-?               Show help
Running the application with no options launches the graphical user interface.
```

## III. Startup Menu/BIOS Setup Flashing

You can also update your BIOS through the BIOS Startup menu ("Esc" key) or BIOS Setup ("F10" key) using the "Update System Bios" feature as follows.

1. Insert a USB key into the computer that has the downloaded BIOS Softpaq.

2. Execute the Softpaq.

3. Select the Copy option from the GUI. Alternatively, the BIOS binary file is located in the following directory:
`C:\SWSETUP\<SPXXXXXX>\HPBIOSUPDREC`

4. Copy the binary to the following directory on the USB key:
`<drive letter>\Hewlett-Packard\BIOS\New`

5. Insert the USB key into the workstation that is to be updated and reboot or boot the unit to the Startup menu by pressing Esc during POST (before the OS loads).

6. Use the arrow keys to select the "Flash System Bios" option. Follow the prompts to update the BIOS. Alternatively, the "Flash System Bios" feature is available in BIOS Setup from the Main menu.