

DeskView Instant Usage with SCCM

DeskView Instant

The Fujitsu DeskView Instant software allows you, as an administrator, to change BIOS settings and BIOS firmware for your Fujitsu systems.

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DESKVIEW

DeskView Instant

The Fujitsu DeskView Instant software allows you, as an administrator, to change BIOS settings and BIOS firmware for your Fujitsu systems.

License

No license is necessary the DeskView Instant software.

Pre-requisites

Download latest version of DeskView Instant software from Fujitsu Support WEB site.**DeskView Instant BIOSSET/DSKFLASH usage**

The software can be used from Windows 64bit Operating system versions and also from Windows PE 64bit. From Coffee Lake platform (ESPRIMO xx8 systems) and KabyLake Refresh platform (LIFEBOOK xx8 systems) on besides an installed "Fujitsu GABI BIOS interface" an additional driver "GABIACPI.sys" is required for support of BIOS interface.

For Windows PE the "Fujitsu BIOS GABI" ACPI driver must be permanently installed by injecting the driver into the SCCM "Boot Image".

To change BIOS settings the tool "BIOSSET.EXE" and for changing BIOS Firmware the tool "DSKFLASH.EXE" must be used with corresponding parameters as given in the DeskView Client Manual (also for the Instant version).

In case "DeskView Client" (installed already in Windows Operating System) is used instead of "DeskView Instant" a parameter "/useinstalled" needs to be used and no package must be defined in the Task Sequence step(s).

This is valid for "BIOSSET.EXE" and "DSKFLASH.EXE".

SCCM Integration

The DeskView Instant software from Download can be used directly from a network share or implemented in a SCCM Package (at "SCCM Application Management").

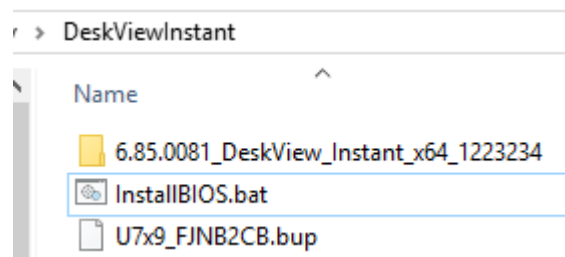
The following steps are an example how use the software within SCCM.

Create a SCCM package

The DeskView Instant content was downloaded. The content is copied into a directory named "6.85.0081_DeskViewInstant_x64_1223234" which is located in directory "DeskViewInstant".

A BIOS Firmware file "U7x9_FJNB2CB" was added to the package root for use with DSKFLASH.

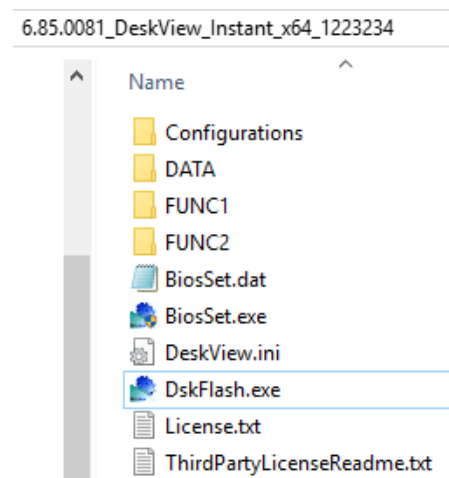
For a later example, an additional batch file called "InstallBIOS.bat" is added to the directory. Find the content below.



Content "InstallBIOS.bat":

```
Pushd %1
```

```
dskflash.exe /upd /w /NRB /wd=%~dp0
```



Create a Task Sequence Variable for DeskView Instant Version

The variable %DeskViewSubVersion% was just defined for the following BIOS installation samples.

Properties	Options
Type:	Set Task Sequence Variable
Name:	TS Variable DeskView SubVersion
Description:	
Enter the task sequence variable name and value.	
Task Sequence Variable:	DeskViewSubVersion
<input type="checkbox"/> Do not display this value	
Value:	6.85.0081_DeskView_Instant_x64_1223234

DSKFLASH parameter switches used in samples

- /UPD **U**PDate BIOS
- /W suppress **W**arnings
- /NRB **N**o **R**e**B**oot (must be performed by SCCM directly after successful flash by "Restart Computer")
- /WD **W**orking **D**irectory for location of all BIOS BUP files; the right BUP file for the systems will be selected automatically
- /O **O**rigin: only used for dedicated BUP file; no usage of automatic selection

In the following examples there is no Silent switch "/S" used for DSKFLASH to get output to smsts.log. There is also no "/OV" switch used to avoid **O**verwrite of already existing BIOS.

Success codes used to check for DSKFLASH installations at "Options" Tab

- "0" BIOS update performed and reboot is necessary
- "8" if no BIOS BUP is found for current system)
- "32" if the latest BIOS already exists
- "400" BIOS update prepared and will be performed at next reboot

Success codes used to check for BIOSSET installations at "Options" Tab

- "0" setting changed successful

Samples for DSKFLASH

BIOS installation directly from a share (no Package)

In case the DeskView software is located on a share, you can call it in a SCCM Task Sequence by using a "Run Command Line" Task Sequence Step.

Flash latest BIOS Firmware from share

The screenshot shows the 'Run Command Line' task sequence step configuration window. The 'Type' is set to 'Run Command Line'. The 'Name' is 'BIOS flash autosearch share'. The 'Description' is 'ok'. The 'Command line' field contains the command: `\\10.0.1.202\data\SCCMR2\Basics\DeskViewInstant\%DeskViewSubVersion%\DskFlash.exe /upd /w /nrb /wd=\\10.0.1.202\data\SCCMR2\Basics\DeskViewInstantData\BIOS_BUP_CAP`. The 'Start in' field is empty. The 'Package' checkbox is unchecked.

BIOS installation by using the Package with data from a share

Using the DeskView package within a Task Sequence with data, like BIOS Firmware files (BUP extension) from a share.

Flash dedicated BIOS Firmware

The screenshot shows the 'Run Command Line' task sequence step configuration window. The 'Type' is set to 'Run Command Line'. The 'Name' is 'BIOS flash single file'. The 'Description' is empty. The 'Command line' field contains the command: `"%DeskViewSubVersion%\DskFlash" /UPD /W /NRB /WD=\\10.0.1.202\data\SCCMR2\Basics\DeskViewInstant /O=U7x9_FJNB2CB.bup`. The 'Start in' field is empty. The 'Package' checkbox is checked, and the package name '001000E4, Fujitsu DeskView Instant' is entered in the field below it.

BIOS installation by using the Package locally and access Package by known Package ID

Since there are no Task Sequence variable available to give the exact full path for the Package content there is another way combine the Package path by a combination of a Task Sequence Variable and the known Package ID (in the sample it is "001000E4").

Flash BIOS Firmware

Properties Options

Type: Run Command Line

Name: BIOS flash autosearch local 0

Description:

Command line:
"%DeskViewSubVersion%\DskFlash" /upd /w /wd=%_SMSTSMDDataPath%\Packages\001000E4

☐ Disable 64-bit file system redirection

Start in: Browse...

☒ Package:
001000E4, Fujitsu DeskView Instant Browse...

BIOS installation by using the Package locally

When implementing DeskView in a Package please be aware that for the parameters within the command there are no Task Sequence variables available to give the exact full path for the Package content. Therefore there is an easy way to call a batch file to execute BIOSSET or DSKFLASH.

Flash BIOS Firmware

Properties Options

Type: Run Command Line

Name: BIOS flash autosearch local 1

Description: ok

Command line:
InstallBIOS.bat %DeskViewSubVersion%

☐ Disable 64-bit file system redirection

Start in: Browse...

☒ Package:
001000E4, Fujitsu DeskView Instant Browse...

Content "InstallBIOS.bat":
pushd %1
dskflash.exe /upd /w /NRB /wd=%~dp0

Flash BIOS Firmware

Properties	Options
Type:	Run Command Line
Name:	BIOS flash autosearch local 3
Description:	use with Download Package Content
Command line:	
"%DskViewPath01%\%DeskViewSubVersion%\DskFlash" /upd /w /NRB /IAC /BPC=25 /wd=%DskViewPath01%	
<input type="checkbox"/> Disable 64-bit file system redirection	
Start in:	<input type="text"/> <input data-bbox="1088 779 1264 819" type="button" value="Browse..."/>
<input type="checkbox"/> Package:	<input type="text"/> <input data-bbox="1088 891 1264 931" type="button" value="Browse..."/>

Samples for BIOSSET

Change single BIOS setting

Following sample changes BIOS setting for "USB provisioning of AMT".
The Task Sequence variable "%BIOSPW%" is necessary if a BIOS password is already set.

Properties	Options
Type:	Run Command Line
Name:	BIOSset set disable USB provisioning of AMT
Description:	USB provisioning of AMT = 0x1c3
Command line:	
"%DeskViewSubVersion%\BiosSet" /expert "USB provisioning of AMT"=disabled /PWD=%BIOSPW%	
<input type="checkbox"/> Disable 64-bit file system redirection	
Start in:	<input type="text"/> <input data-bbox="1121 925 1286 963" type="button" value="Browse..."/>
<input checked="" type="checkbox"/> Package:	001000E4, Fujitsu DeskView Instant <input data-bbox="1121 1030 1286 1068" type="button" value="Browse..."/>

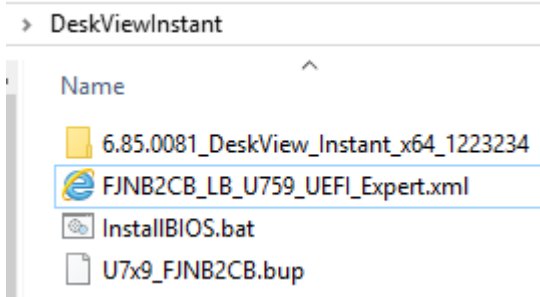
Task Sequence variable for BIOS password

Properties	Options
Type:	Set Task Sequence Variable
Name:	TS Variable BIOS PW
Description:	123
Enter the task sequence variable name and value.	
Task Sequence Variable:	BIOSPW
<input type="checkbox"/> Do not display this value	
Value:	123

Change BIOS settings by XML file

Properties	Options
Type:	Run Command Line
Name:	BIOSSET XML local 0
Description:	
Command line:	
"%DeskViewSubVersion%\BiosSet" /expert /upd=%_SMSTSMDDataPath%\Packages\001000E4\FJNB2CB_LB_U759_UEFI_Expert.xml /pwd=123	
<input type="checkbox"/> Disable 64-bit file system redirection	
Start in:	<input type="text"/> Browse...
<input checked="" type="checkbox"/> Package:	001000E4, Fujitsu DeskView Instant Browse...

The above XML file is a previously generated master. This XML file for this example must also be in the created package as shown below. How to create a master XML file can be found in the "DeskView User Manual".

**Additional Information:**

Detailed information

<http://ts.fujitsu.com/Manageability>

Manageability Solutions , DeskView Downloads, DeskView Client User Manual:

<https://www.fujitsu.com/fts/solutions/business-technology/manageability/downloads/index.html>

Client Computing Devices Support:

<https://support.ts.fujitsu.com/Index.asp?lng=&OICOpen=ClientComputing>

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