

# Upgrade JSON File

The *Upgrade JSON* file is a required component of every Smartcrypt Deployment. The file itself has important information that needs to be communicated from the Smartcrypt Manager down to the targeted system(s). The Smartcrypt Upgrade JSON will be provided for all client releases by PKWARE.

## What's in the file?

```

1  [
2  {
3    "SmartcryptUpdate" : {
4      "32" : [
5        {
6          "sha256" : "6EED7F637261DF612A0996F2E279174DD3C4035D863D508BC2428AF663D3C419",
7          "urn" : "http://pkware.cachefly.net/products/smartcrypt/windows/SmartcryptUpdate_x86_en.exe"
8        }
9      ],
10     "64" : [
11       {
12         "sha256" : "F35B713F4857FFA0F3C343A6745419F7E2CA1D1C673C6A66CE4EAF29FEE3D6DB",
13         "urn" : "http://pkware.cachefly.net/products/smartcrypt/windows/SmartcryptUpdate_x64_en.exe"
14       }
15     ],
16     "file_version_max" : "15.50.0036",
17     "file_version_min" : "15.50.0029"
18   },
19   "Upgrade" : {
20     "32" : {
21       "name" : "Smartcrypt_15.50.0036_x86_en.exe",
22       "sha256" : "0FC171F6F6FF44F0B38ADD731B8F14FA647E8DDEC6F9EF9ACAF065B4264970B",
23       "urn" : "http://pkware.cachefly.net/products/smartcrypt/windows/Smartcrypt_15.50.0036_x64_en.exe"
24     },
25     "64" : {
26       "name" : "Smartcrypt_15.50.0036_x64_en.exe",
27       "sha256" : "291EA4B1518D88FC25A8CC6BBD85904A9A6DB901EE24D0C7C434ADA663CC45A7",
28       "urn" : "http://pkware.cachefly.net/products/smartcrypt/windows/Smartcrypt_15.50.0036_x86_en.exe"
29     },
30     "product_version_max" : "15.50.0035",
31     "product_version_min" : "15.50.0026"
32   },
33   "reboot":false,
34   "data_format_version" : 1,
35   "platform" : "Windows"
36 }
37 ]
38

```

Section	Field	Description	Editable	Required
SmartcryptUpdate		The Smartcrypt Updater can be upgraded alone, without installing a new version of the Smartcrypt client. This section defines the information needed to do the operation. <b>This whole section can be omitted if a normal client upgrade is desired.</b>	no	no
SmartcryptUpdate \32		Section for 32 bit installations	no	yes
SmartcryptUpdate \32	sha256	This is the hash of the installer. This value is checked and if the hash of the installer does not match, the installation will not occur. This ensures the installer is not corrupted on transfer or replaced by a malicious 3rd party.	no	yes
SmartcryptUpdate \32	urn	This is the URL for this installer. This can be a Web URL or a fileserver/storage location. If it is a local server, it need to be a location the targeted device can reach and transfer files to without authentication (as the Smartcrypt Update service runs without authentication as a domain user)	yes	yes
SmartcryptUpdate \64		Section for 64 bit installations	no	yes
SmartcryptUpdate \64	sha256	This is the hash of the installer. This value is checked and if the hash of the installer does not match, the installation will not occur. This ensures the installer is not corrupted on transfer or replaced by a malicious 3rd party.	no	yes
SmartcryptUpdate \64	urn	This is the URL for this installer. This can be a Web URL or a fileserver/storage location. If it is a local server, it need to be a location the targeted device can reach and transfer files to without authentication (as the Smartcrypt Update service runs without authentication as a domain user)	yes	yes
SmartcryptUpdate	file_v ersion _max	This field is an instruction to the Update Service to only operation on specific versions of installed software. If the client version is higher (newer) than the defined max value, the deployment will not occur.	yes	yes
SmartcryptUpdate	file_v ersion _min	This field is an instruction to the Update Service to only operation on specific versions of installed software. If the client version is lower (older) than the defined min value, the deployment will not occur.	yes	yes

Upgrade		The Smartcrypt Updater can be used to upgrade the whole Smartcrypt installation on a device (The service, the updater and all plugins). This section controls all those components together.	no	yes
Upgrade \ 32		Section for 32 bit installations	no	yes
Upgrade \ 32	sha256	This is the hash of the installer. This value is checked and if the hash of the installer does not match, the installation will not occur. This ensures the installer is not corrupted on transfer or replaced by a malicious 3rd party.	no	yes
Upgrade \ 32	urn	This is the URL for this installer. This can be a Web URL or a fileserver/storage location. If it is a local server, it need to be a location the targeted device can reach and transfer files to without authentication (as the Smartcrypt Update service runs without authentication as a domain user)	yes	yes
Upgrade \ 64		Section for 64 bit installations	no	yes
Upgrade \ 64	sha256	This is the hash of the installer. This value is checked and if the hash of the installer does not match, the installation will not occur. This ensures the installer is not corrupted on transfer or replaced by a malicious 3rd party.	no	yes
Upgrade \ 64	urn	This is the URL for this installer. This can be a Web URL or a fileserver/storage location. If it is a local server, it need to be a location the targeted device can reach and transfer files to without authentication (as the Smartcrypt Update service runs without authentication as a domain user)	yes	yes
Upgrade	file_version_max	This field is an instruction to the Update Service to only operation on specific versions of installed software. If the client version is higher (newer) than the defined max value, the deployment will not occur.	yes	yes
Upgrade	file_version_min	This field is an instruction to the Update Service to only operation on specific versions of installed software. If the client version is lower (older) than the defined min value, the deployment will not occur.	yes	yes
	reboot	This field controls the behavior on the targeted device after a successful deployment. Providing <b>true</b> will trigger the system to reboot immediately after the upgrade completes. This might occur before the user (s) even have a chance to log into the system. Providing <b>false</b> will not reboot the system after a reboot, but if the installation didn't completely upgrade all the components they still might be running the old version.	yes	no
	force	This field controls whether or not Smartcrypt installs immediately or after the next time the computer restarts. Providing <b>true</b> will begin installing Smartcrypt as soon as the deployment is received and downloaded. Providing <b>false</b> will cause Smartcrypt to queue the install the the next time the system boots after the deployment is received and downloaded.	yes	no
	data_format_version	An internal version for the upgrade protocol.	no	yes
	platform	The targeted / included platforms for the deployment. As of the initial release on Smartcrypt Deployments in 17.1, only Windows is supported.	no	yes

## Examples of Force and Reboot combinations

Force	Reboot	Result
true	true	When deployment has been received and downloaded, Smartcrypt immediately installs and system automatically rebooted.
true	false	When deployment has been received and downloaded, Smartcrypt immediately installs and then skip rebooting after the installation.
false	true	When deployment has been received and downloaded, Smartcrypt will queue the update to install on the next boot of the system, and then reboot after the installation.
false	false	When deployment has been received and downloaded, Smartcrypt will queue the update to install on the next boot of the system, and then skip rebooting after the installation.