

## EM 13c: How to Manually Upload a Patch to the Enterprise Manager Cloud Control Software Library (Doc ID 1931686.1)

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### APPLIES TO:

Enterprise Manager Base Platform - Version 13.1.0.0.0 and later  
Information in this document applies to any platform.

### GOAL

This note explains how to download and then manually upload a patch manually to the Enterprise Manager (EM) Cloud Control OMS (Software Library). This can be used when offline patching is enabled (can also be used when online patching is enabled)

### SOLUTION

Manually uploaded patches are shown in the Enterprise > Provisioning and Patching > Saved Patches page. This is also where you upload patches (from Desktop)

First download the patch with either of these methods:

**Offline** - via a computer with a browser connected to the internet via <https://support.oracle.com> , search for the patch and then download to this computer locally. If this computer does not have access to the OMS then files needs to be transferred to a computer that does has access.

or

**Online** - via EM Cloud Control. Navigate: Enterprise > Provisioning and Patching > Patches and Updates, search for the patch and download desktop (locally) OR download to Software Library:

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Enterprise Targets

### Patches & Updates

Patches & Updates >

#### Patch Search Results

Filters: Patch Name or Number is 18681866;

View Create Plan Add to Existing Plan Download Read Me

Patch Name	Description	Version	Platform (Language)	Classification	Product/Family	
18681866	DATABASE SECURITY PATCH UPDATE 11.2.0.3.0 (CPUJUL2014) (Patch)	11.2.0.3.0	Linux x86-64 (American English)	Superseded	Oracle Database Family	
18681866	DATABASE SECURITY PATCH UPDATE 11.2.0.3.0 (CPUJUL2014) (Patch)	11.2.0.3.0	Oracle Solaris on x86-64 (64-bit) (American English)	Superseded	Oracle Database Family	
18681866	DATABASE SECURITY PATCH UPDATE 11.2.0.3.0 (CPUJUL2014) (Patch)	11.2.0.3.0	Oracle Solaris on SPARC (64-bit) (American English)	Superseded	Oracle Database Family	

Download to Software Library will create a job which will upload the patch to the software library (Patch Components > Oracle Software Updates)

If downloading locally there are two files that need to be downloaded-

The patch file, the format is p<patch\_number>\_<version>\_<platform>.zip

The patch metadata file, the format is p<patch\_number>\_<version>.American

The screenshot shows the Oracle Patch 18681866: DATABASE SECURITY PATCH UPDATE 11.2.0.3.0 (CPUJUL2014) page. A 'File Download (1 File, 1 Patch)' dialog box is open, displaying the file 'p18681866\_112030\_Linux-x86-64.zip' with a size of 19.7 MB. A black arrow points to this file name. Below the file list, there are two buttons: 'WGET Options' and 'Download Patch Metadata', both with black arrows pointing to them. The dialog box also includes a 'Show Digest Details' checkbox, a 'Total 1 File' summary, and a 'Note: A Single patch or software bundle can contain multiple files. Tip: Use a Download Manager Learn More...'. The background page shows patch details, recommendations, and a list of bugs resolved by this patch.

The screenshot shows a Firefox file opening dialog box titled 'Opening p18681866\_112030\_American'. The dialog box displays the file name 'p18681866\_112030\_American' and identifies it as a 'plain text document' from 'https://[redacted]:7802'. It asks 'What should Firefox do with this file?' and provides three options: 'Open with gedit (default)', 'Save File' (which is selected and highlighted with an orange bar), and 'Do this automatically for files like this from now on.' (which is unchecked). At the bottom, there are 'Cancel' and 'OK' buttons. Below the dialog box, a 'Return to File Window' button and a 'Download' button are visible.

There is also the option to download the patch file via wget (for unix based systems). The wget script file can be moved to another machine and run from this machine.



```
# SSO username and password
SSO_USERNAME=
SSO_PASSWORD=

# Path to wget command
WGET=/usr/bin/wget

# Location of cookie file
COOKIE_FILE=/tmp/$.cookies

# Log directory and file
LOGDIR=.
LOGFILE=$LOGDIR/wgetlog-`date +%m-%d-%y-%H:%M`.log

# Output directory and file
OUTPUT_DIR=.

#
# End of user configurable variable
#

if [ "$SSO_PASSWORD" = " " ]
then
    echo "Please edit script and set SSO_PASSWORD"
    exit
fi

# Contact updates site so that we can get SSO Params for logging in
SSO_RESPONSE=`$WGET --user-agent="Mozilla/5.0" https://updates.oracle.com/Orion/Services/download 2>&1|grep Location`

# Extract request parameters for SSO
SSO_TOKEN=`echo $SSO_RESPONSE| cut -d '=' -f 2|cut -d ' ' -f 1`
SSO_SERVER=`echo $SSO_RESPONSE| cut -d ' ' -f 2|cut -d 'p' -f 1,2`
SSO_AUTH_URL=sso/auth
AUTH_DATA="ssouusername=$SSO_USERNAME&password=$SSO_PASSWORD&site2pstoretoken=$SSO_TOKEN"

# The following command to authenticate uses HTTPS. This will work only if the wget in the environment
# where this script will be executed was compiled with OpenSSL. Remove the --secure-protocol option
# if wget was not compiled with OpenSSL
# Depending on the preference, the other options are --secure-protocol= auto|SSLv2|SSLv3|TLSv1
```

```

: /tmp/temp_patch_store
: /tmp/temp_patch_store$ ls
wget.sh
: /tmp/temp_patch_store$ chmod +x wget.sh
: /tmp/temp_patch_store$ ./wget.sh
: /tmp/temp_patch_store$ ls
download                                wgetlog-10-01-14-11:40.log
p18681866_112030_Linux-x86-64.zip      wget.sh
: /tmp/temp_patch_store$
```

Note: The wget script does not download the metadata file.

Once the files are downloaded they can be uploaded to the OMS.

13c EM Saved Patches Page:

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EnterpriseTargets★🕒⚙️

Saved Patches

Page Re

Use this page to view a list of patches stored in the Software Library, search patches of your interest, upload new patches to the Software Library, and remove unwanted patches from the Software Library. If you want to monitor patches in Enterprise Manager, create a [patch plan](#). For information about creating patch plans, refer to Oracle Enterprise Manager Lifecycle Management Administrator's Guide available in the Enterprise Manager [Help](#).

✓ TIP To upload batches of patches or to upload a multi-part patch, use the EM CLI verb "upload\_patches". For information on this verb, run the command "emcli help upload\_patches".

View⌵+ Upload✕ DeleteSearch Patch Name🔍

Patch Name	Description	Release	Platform(Language)	Product/Family
12426828	SMARTUPDATE 3.3 INSTALLER PLACEHOLDER (Patch)	10.3.5	Generic Platform (American English)	Oracle WebLogic Server
28186730	OPATCH 13.9.4.2.6 FOR EM 13.4, 13.5 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0 (Patch)	13.9.4.2.6	Generic Platform (American English)	Oracle Global Lifecycle Management OPatch
28186730	OPATCH 13.9.4.2.7 FOR EM 13.4, 13.5 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0 (Patch)	13.9.4.2.7	Generic Platform (American English)	Oracle Global Lifecycle Management OPatch
28186730	OPATCH 13.9.4.2.5 FOR EM 13.4, FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0 (Patch)	13.9.4.2.5	Generic Platform (American English)	Oracle Global Lifecycle Management OPatch
6880880	OPatch 12.2.0.1.28 for DB 12.2.0.1.0 (Nov 2021) (Patch)	12.2.0.1.0	Linux x86-64 (American English)	Oracle Global Lifecycle Management OPatch

To upload the patch, press the Upload button and complete the details and select the two files you downloaded earlier.

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**Saved Patches**

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**TIP** To upload batches of patches or to upload a multi-part patch, use the EM CLI tool "upload\_patches". For information on this tool, run the command "emcli help upload\_patches".

**Upload a Patch**

Provide the location of the patch file(s) you downloaded from [My Oracle Support](#).

\* Patch Zip File  No file chosen

Patch Metadata  No file chosen

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28186730	OPATCH 13.9.4.2.6 FOR EM 13.4 (Patch)	Generic Platform (American English)	Oracle Global Lifecycle Management OPatch
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The upload process will start a job which will upload the patch to the software library as a component

Another option is to upload patches via emcli, for example:

```
./emcli upload_patches -location=<PATH> -from_host=<HOSTNAME>.<DOMAINNAME>
OR
./emcli upload_patches -patch_files="
<PATH>/p18681866_112030_American;/p18681866_112030_Linux-x86-64.zip" -from_host=
<HOSTNAME>.<DOMAINNAME> -cred_name=<CREDENTIAL NAME> -cred_owner=SYSMAN
```

Once the job has finished, the following is seen in the Software Library:

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**Software Library**

Software Library maintains entities that represent software patches, virtual appliance images, reference gold images, application software and their associated directive scripts. You can pick any of the O custom one of your own. Once defined, these reusable entities can be referenced from a Deployment Procedure to automate the patching, provisioning, or deployment of the associated software.

Actions View View Edit... Delete... Find Name

Name	Type	Subtype	Revision	Status	Maturity	Owner
▶ Oracle VM Server Provisioning						ORACLE
▶ OSBProvisioning						ORACLE
▶ Patch Components						SYSMAN
▶ Oracle Software Updates						SYSMAN
▶ p12426828_8191035000_2000_0	Component	Oracle Software Up	0.1	Ready	Untested	SYSMAN
▶ p28186730_600000000172170_2000_0	Component	Oracle Software Up	0.1	Ready	Untested	SYSMAN
▶ p28186730_600000000175174_2000_0	Component	Oracle Software Up	0.1	Ready	Untested	SYSMAN
▶ p18681866_80112030_226_0	Component	Oracle Software Up	0.1	Ready	Untested	SYSMAN
▶ p28186730_600000000159823_2000_0	Component	Oracle Software Up	0.1	Ready	Untested	SYSMAN
▶ p6880880_600000000063735_226_0	Component	Oracle Software Up	0.1	Ready	Untested	SYSMAN
▶ Patching						ORACLE
▶ Patching And Provisioning						ORACLE
▶ Prerequisite-fixup components						ORACLE

and going back to the Saved Patches page confirms the patch is uploaded:

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### Saved Patches

Use this page to view a list of patches stored in the Software Library, search patches of your interest, upload new patches to the Software Library, and remove unwanted patches monitored in Enterprise Manager, create a [patch plan](#). For information about creating patch plans, refer to Oracle Enterprise Manager Lifecycle Management Administrator's Guid

**TIP** To upload batches of patches or to upload a multi-part patch, use the EM CLI verb "upload\_patches". For information on this verb, run the command "emcli help upload\_p

View ▾

Upload

Delete

Search Patch Name

Patch Name	Description	Release	Platform(Language)
<a href="#">12426828</a>	SMARTUPDATE 3.3 INSTALLER PLACEHOLDER (Patch)	10.3.5	Generic Platform (American English)
<a href="#">28186730</a>	OPATCH 13.9.4.2.6 FOR EM 13.4, 13.5 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0 (Patch)	13.9.4.2.6	Generic Platform (American English)
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<a href="#">6880880</a>	OPatch 12.2.0.1.28 for DB 12.2.0.1.0 (Nov 2021) (Patch)	12.2.0.1.0	Linux x86-64 (American English)

Note: If using offline patching the same needs to be done for the opatch files - [patch 6880880](#) as the patching process downloads the latest opatch files from My Oracle Support.

See Official Documentation for more details:

<https://docs.oracle.com/en/enterprise-manager/cloud-control/enterprise-manager-cloud-control/13.4/emlcm/patching-software-deployments.html>

Didn't find what you are looking for?