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

**In this Document**

### 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)
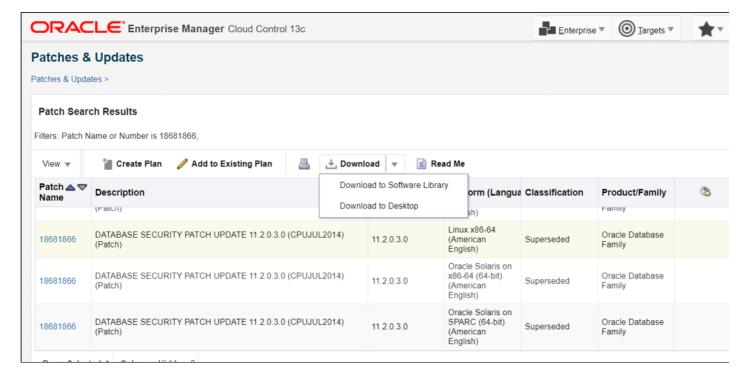
### SOLUTION

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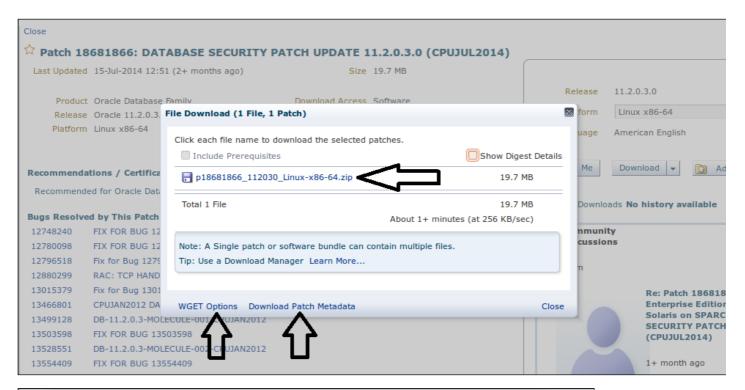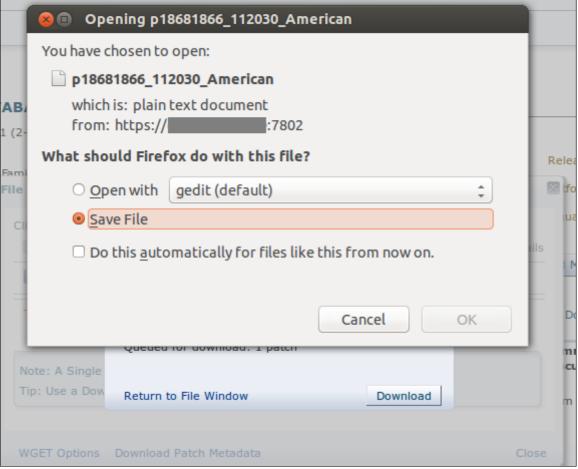or
**Online** - via EM Cloud Control.  Navigate: Enterprise > Provisioning and Patching > Patches and Updates, search for the patch and download desktop (locally) OR download to Software Library:

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

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.

**WGET Options for Selected Files** ✕

**File Download (1 File, 1 Patch)** ✕

Click each file n

☐ Include Pre                                                         w Digest Details

⊟ p18681866                                                           19.7 MB

Total 1 File                                                          19.7 MB

Note: A Single                                                        KB/sec)

Tip: Use a Dow

**What is WGET?**

A WGET script is available in .sh (text) format to download the selected files. Note: Edit the file to include your My Oracle Support credentials before use.

☐ Include Prerequisites

1 File Included

19.7 MB

Return to File Window          **Download .sh**

WGET Options    Download Patch Metadata                              Close

```sh
# 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 $SSO_RESPONSE| cut -d ' ' -f 2|cut -d 'p' -f 1,2`
SSO_AUTH_URL=sso/auth
AUTH_DATA="ssousername=$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
```
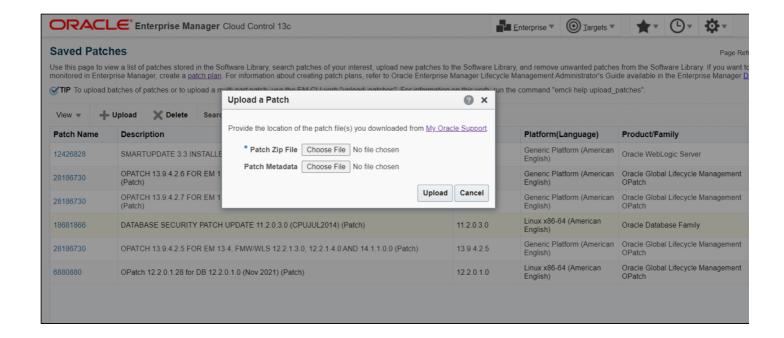
Note: The wget script does not download the metadata file.

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

13c EM Saved Patches Page:



To upload the patch, press the Upload button and complete the details and select the two files you downloaded earlier.
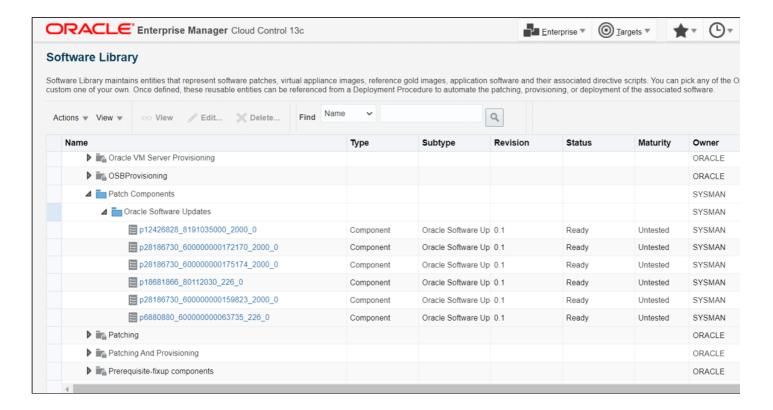
The upload process will start a job which will upload the patch to the software library as a component
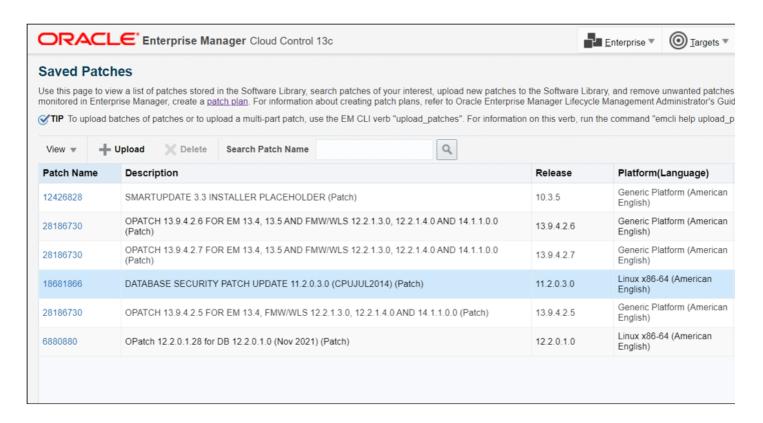
Another option is to upload patches via emcli, for example:

```
./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:

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



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

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