

Updating SADMIN software

The SADMIN tools can be updated to the latest version using the “sadm_updater.sh” script. This script will update part of your SADMIN installation directory that you should not have to changed.

The update process will not changed anything within theses directories :

- usr (Your scripts and data)
- sys (Startup/Shutdown scripts) directories.
- dat (system data files)
- log
- tmp

The update process may changed content of these directories :

- bin
- lib
- cfg (Only dot prefix files)
- doc
- pkg
- setup
- www

Starting the update script :

```
$ $SADMIN/bin/sadm_updater.sh
```

When a new version of updater is present

This first thing the SADMIN updater does, is to verify if a new version of the updater is present in the new release file (tgz). If there is an update, the updater will get upgraded and restarted using this new version. When that situation happen the output will look similar to the one below.

```
SADMIN Updater - sadm_updater.sh - Version 2.4

Rollback Directory is /opt/sadmin/setup/update/2018_06_24

Enter location of the new SADMIN version tgz file : /opt/sadmin_0.86_20180624.tgz
Creating working directory /tmp/sadmin_20180624
Untar /opt/sadmin_0.86_20180624.tgz into /tmp/sadmin_20180624

There is a new version of the updater ...
We will install the new version and restart it.
Please wait while the script is restarting ...
```

Running with some scripts to update

This is an example of an update when a new release of SADMIN bash template (sadmin_template.sh) is release and when a script have been accidently deleted from the system (sadm_template.py). Notice that is this example, instead of entering the name of new release file name interactively, we use the switch '-f' to specified the new SADMIN release file.

```
SADMIN Updater - sadm_updater.sh - Version 2.5

Rollback Directory is /opt/sadmin/setup/update/2018_06_24

Enter location of the new SADMIN version tgz file : /opt/sadmin_0.86_20180624.tgz
Creating working directory /tmp/sadmin_20180624
Untar /opt/sadmin_0.86_20180624.tgz into /tmp/sadmin_20180624

Your current version is : sadmin_0.86_20180623
Your updating to version : sadmin_0.86_20180624

Update Information
- Anything under /opt/sadmin/usr, /opt/sadmin/sys will not be touch.
- Your configuration files in /opt/sadmin/cfg will not be modify.
- Scripts or files you have created won't be modified or deleted.
- For SADMIN scripts (sadm*.py, sadm*.sh, sadm*.php, ...) :
  - If you haven't change them, they may be updated, if needed.
  - If you have change them, you will be asked what to do for each of them.
- Only files in /opt/sadmin will be changed, not elsewhere.
- Before proceeding, you should have a backup of /opt/sadmin

Proceed with the update [y,n] ? y
```

In the example below, the new version update trigger 3 events :

- The new version included a new version of "sadm_template.sh"
- On the SADMIN client the user modified "sadm_backup.sh"
- The new version include a new script called "demo2.sh"

```
=====
Installing new file /opt/sadmin/bin/demo2.sh ...
=====
```

```
File : "bin/sadm_backup.sh"
```

```
One of these conditions happened since last update of this file.
```

- 1) Change were made to the file.
- 2) You didn't update the file at the last update.
- 3) The file was deleted from the system.
- 4) This is a new file (or have moved in dir. structure).

```
Current file will be moved to RollBack Directory before updating it.
```

```
Want to [S]kip or [U]pdate this file [U] ? u
```

```
Saving /opt/sadmin/bin/sadm_backup.sh to Rollback Directory.
```

```
Updating file /opt/sadmin/bin/sadm_backup.sh ...
```

```
=====
Saving /opt/sadmin/bin/sadm_template.sh to Rollback Directory.
```

```
Updating file /opt/sadmin/bin/sadm_template.sh ...
```

```
-----
Updating MD5 Version files
```

```
Update completed Sun Jun 24 11:50:43 EDT 2018
```

File changed are kept in the Release Rollback directory

- Every files replace in \$SADMIN by the updater are copied to this directory before the update take place.
- The rollback directory can be use to recover a file that was updated by mistake.
- The rollback directory is located in "\$SADMIN/setup/update/YYYY_MM_DD" directory.
- "YYYY_MM_DD" is the date at which the updater was ran.

```
/opt/sadmin/setup/update# ls -lR
.:
total 4
drwxrwxr-x 3 sadmin sadmin 4096 Jun 24 11:42 2018_06_24

./2018_06_24:
total 4
drwxrwxr-x 2 sadmin sadmin 4096 Jun 24 11:50 bin

./2018_06_24/bin:
total 64
-rwxr-xr-- 1 root root 43842 Jun 24 11:58 sadm_backup.sh
-rwxr-xr-- 1 root root 18916 Jun 24 11:58 sadm_template.sh
/opt/sadmin/setup/update#
```

Running update in batch mode

```
root@nomad /opt/sadmin/bin# sadm_updater.sh -a -f /opt/sadmin_0.86_20180624.tgz
SADMIN Updater - sadm_updater.sh - Version 2.5

Rollback Directory is /opt/sadmin/setup/update/2018_06_24
Creating working directory /tmp/sadmin_20180624
Untar /opt/sadmin_0.86_20180624.tgz into /tmp/sadmin_20180624

Your current version is   : sadmin_0.86_20180624
Your updating to version : sadmin_0.86_20180624

=====
Installing new file /opt/sadmin/bin/demo3.sh ...

=====
Saving /opt/sadmin/bin/sadm_backup.sh to Rollback Directory.
Updating file /opt/sadmin/bin/sadm_backup.sh ...

=====
Saving /opt/sadmin/bin/sadm_template.sh to Rollback Directory.
Updating file /opt/sadmin/bin/sadm_template.sh ...

-----
Updating MD5 Version files
Update completed Sun Jun 24 11:58:58 EDT 2018
root@nomad /opt/sadmin/bin#
```