## TPLpre

Dev/RAW code version. Cannot be use for discovery yet.

Preparing code

*Tpl_preprocesssor*

*TPL Syntax check*

## TPL

Code is ready for upload and discovery. Version according to ADDM tpl

## Upload

Pattern upload

Uploading pattern or zip on ADDM.

**SSH**

If ADDM and ENV configured to use root and shell to upload files via SSH and then activate in console args added accordingly.

**REST**

If ADDM configured to upload and activate via REST ang args added accordingly.

## Activate

Activate local or uploaded pattern files and output if any.

**SSH**
tw_pattern_management --activate-module

**REST**
Activate via REST or during upload

**Activate onlyVM Share**
If ADDM configured on local VM with shared folders in VM filesystem and paths are correct and no SSH cred. used in ARGS.

## Scan

Start scan
Depends on ARGS
During scan - collect data in Record mode, DML and store in safe place with pattern name and date.

**SSH**

Start scan via SSH with tw_ command.
Collect data and upload back to client host during current conn.

**REST**

Start scan via REST if configured. *Collect data and upload back - if apllicable for REST (not sure)*

**VM Share**

Start scan via SSH\REST Save data to shared file system.

## Verify

Check result - output Depends on pattern data, ARGS, etc.
Query based on pattern or custom.

**SSH Command**

**SI Query check**
Run query based on pattern body and show output model in console.

**SI test query**
Run query:
- from designed plugin (everything grab)
- from test file (if VM Share used)

**Generate model**
Make model file with pattern name and date or something unique in patterns folder or other (if VM Share used)

## TPL processing

How tpl\tplpre file can be processed, checked and uploaded to ADDM.

What process starting on ADDM when pattern was uploaded.

What process staring on ADDM after scan.

There are few methods of pattern upload\activating. Each method exclude other.
SSH will be used to run most commands and save result local or remotely.
REST will be used tu run commands remotely.
When ADDM is running as DEV VM - there is no reason to use SSH for upload\download.