Configuration file management enhancement

# Should we allow config with status ‘failed\_wrong\_format’ to be retrieve again?

Config files which have this status is already retrieve successfully from file server, store in MC but failed when checking its format. When we try to retrieve it again, as I understand, the document expected that new file shall overwrite the old one and change status to ‘success’. That could lead to losing file, if in later time, operator want to review the old one to see where the format goes wrong. So I suggest that we do a fresh-new retrieval with new row rather than issue it on an existed row.

Note: If I remember correctly, I discussed with Leigh about it, he suggested me and told me that he would tell you later. Unfortunately, nothing changes in the latest version. So I list it here just to tell you this in case you do not know about it.

# Should the operator provide MD5 correctly when retrieving a SNMP config?

From DN-ANS-00028:

“It is the responsibility of the NMS to send a row create request for the targets that need this configuration file. This can be done after a row for this configuration file is successfully created in the NVR MC configuration file MIB table…”

The operator wants a copy of MC special config of target. If I were him, I would provide the ID of target, snmpFileId and the URL. Entering the MD5 may be not as easy as the other input. That leads to two ways for retrieving a SNMP config:

## Strict way:

* If status of the parent config is ‘ready’, that mean it already has a compressed version. The operator has to provide the correct MD5 of the ‘tar.gz’ version of parent config (i.e., the value of conCompressedFileMd5 of parent config row) or he shall get a ‘failed\_MD5\_check’ response.
* For the other status of parent config, the operator has to provide the correct value of conUserMd5 in parent config row. After the operator issue ‘downloadAndApply’ successfully on MC, all children’s conUserMd5 shall be update by the value of parent’s conCompressFileMd5.

## Pleasant way:

The operator just provides whatever value for the MD5 field and the MC s/w shall correct this based on the status of parent config (i.e., the MC shall using the value of conUserMd5 or conCompressedFileMd5 of parent config as the child’s conUserMd5 when persisting to database).

* Status is ‘ready’: MC shall use parent’s conCompressFileMd5 as child’s conUserMd5.
* Status is not ‘ready’: MC shall use parent’s conUserMd5 as child’s conUserMd5.

So which way you prefer?

Note: In current implementation, I did not have a check for SNMP retrieval MD5 check. After your choice, I shall update it.