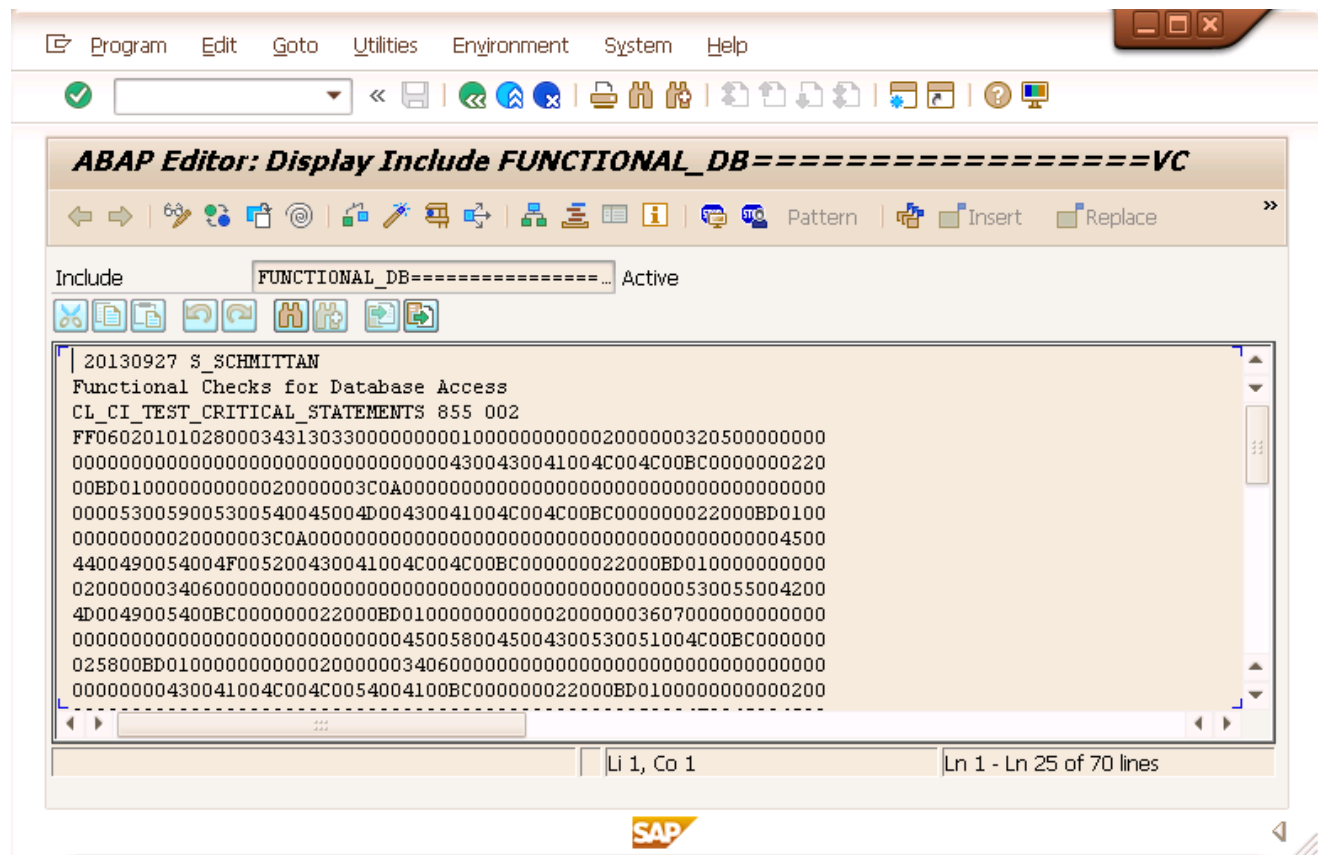


# ABAP Development: Upload and download Code Inspector variants via XML

Posted by [Lars Hvam](#) Aug 2, 2015

Code Inspector variants are technically saved as ABAP programs using data clusters,



This makes it difficult to move the data between systems, and tell what exactly the variant contains without installing it. The project <https://github.com/larshp/upDOWNci> tries to address this issue by allowing upload and download of Code Inspector variants in XML format. It analyzes the ABAP code inside each check to determine the structure of the check settings and exports it to XML, the checks must use class attributes with direct data dictionary for this to work, most of the checks use this approach, but expect errors and bugs in the program.

Start the program via report ZUPDOWNCI,

The screenshot shows the SAP 'upDOWNci' transaction window. The title bar includes 'Program', 'Edit', 'Goto', 'System', and 'Help' menus. Below the title bar is a toolbar with various icons. The main area has a header 'upDOWNci' with a green checkmark icon. The form contains the following fields and controls:

- Person Responsible:** A text field with a blue selection icon to its right.
- Check Variant:** A text field containing the value 'DEFAULT'.
- Class/Interface:** A text field containing 'CL\_\*' with a green 'x' icon to its left, followed by a 'to' label and another empty text field with a blue selection icon to its right.
- Download:** A radio button that is currently selected.
- Upload:** An unselected radio button.
- Test Mode:** A checked checkbox.

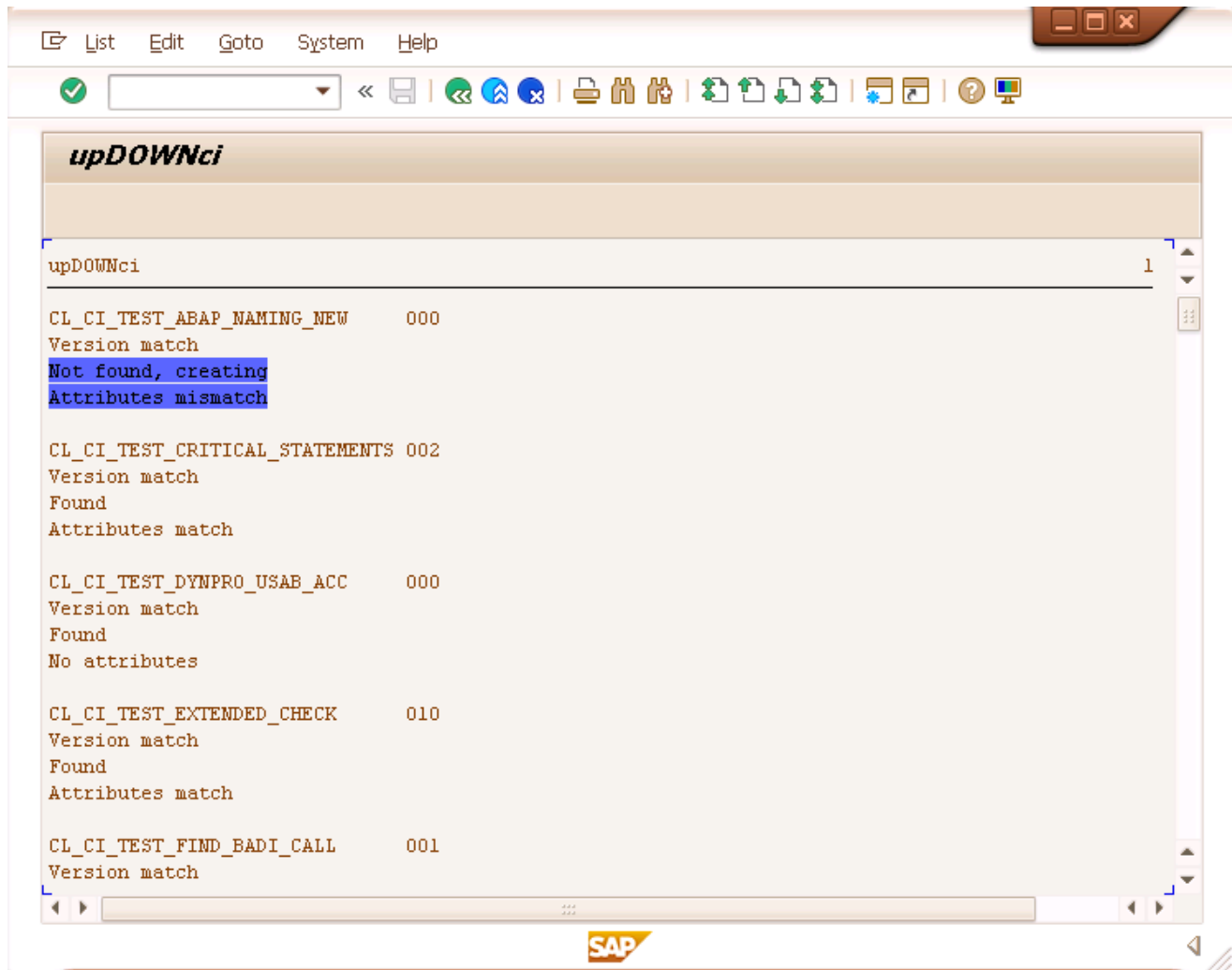
The SAP logo is visible in the bottom right corner of the window.

and enter the variant, this will upload or download the variant to the frontend PC. Leave username blank for global variants.

Downloaded XML files will look like the following,

```
<?xml version="1.0" encoding="utf-8"?>
<VARIANT>
  <CL_CI_TEST_ABAP_NAMING_NEW>
    <VERSION>000</VERSION>
    <ATTRIBUTES>
      <M_SETUP>
        <PREFIX_ELEMENTARY>[EV]</PREFIX_ELEMENTARY>
        <PREFIX_GENERIC>[GV]</PREFIX_GENERIC>
        <PREFIX_STRUCTURE>S</PREFIX_STRUCTURE>
        <PREFIX_TABLE_ANY>T</PREFIX_TABLE_ANY>
        <PREFIX_TABLE_HASHED>TH?</PREFIX_TABLE_HASHED>
        <PREFIX_TABLE_INDEX>T</PREFIX_TABLE_INDEX>
        <PREFIX_TABLE_STANDARD>T</PREFIX_TABLE_STANDARD>
        <PREFIX_TABLE_SORTED>TS?</PREFIX_TABLE_SORTED>
        <PREFIX_REF_DATA>R</PREFIX_REF_DATA>
        <PREFIX_REF_CLASS>O</PREFIX_REF_CLASS>
        <PREFIX_REF_CLASS_BADI>B</PREFIX_REF_CLASS_BADI>
        <PREFIX_REF_CLASS_EXCEPTION>X</PREFIX_REF_CLASS_EXCEPTION>
        <PREFIX_REF_INTERFACE>I</PREFIX_REF_INTERFACE>
        <PATTERNS_CLAS_NAME_GLOBAL>
          <ROW>(/.*/)?ZCL_</ROW>
          <ROW>(/.*/)?CX_</ROW>
        </PATTERNS_CLAS_NAME_GLOBAL>
      </M_SETUP>
    </ATTRIBUTES>
  </CL_CI_TEST_ABAP_NAMING_NEW>
</VARIANT>
```

Upload will show a log for the imported check variant. The check variant will be created if it does not exist, and add additional settings to existing check variant if the check version in the XML matches the check version in the system.



Project page: <https://github.com/larshp/upDOWNci>

Issue list: <https://github.com/larshp/upDOWNci/issues>

7 Views Tags: [abap](#), [open\\_source](#), [xml](#), [code\\_inspector](#), [sci](#), [abap\\_test\\_cockpit](#), [etc](#), [git](#), [github](#)

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