

Ask a Question Write a Blog Post

Technical Articles



Standalone editing of ABAP in vscode

Follow		RSS feed	Like
22 Likes	2 901 Viev	s 4 Comments	Fdit

With ABAP code versioned in git, it is possible to clone ABAP projects as files to the local PC. And like other files, these can be edited with your favorite editor.

To help the developer, I've been working on a **standalone** setup for editing ABAP files based on LSP and vscode.

Below shows some of the features currently implemented,

Diagnostics

```
zcl_abapgit_hash.clas.abap
   METHOD sha1.
     DATA: lv_len TYPE i,
           lv_char10 TYPE c LENGTH 10,
            lv_string TYPE string,
           lv_xstring TYPE xstring.
      lv_len = xstrlen( iv_data ).
     lv_char10 = lv_len.
     CONDENSE lv_char10.
     CONCATENATE iv_type lv_char10 INTO lv_string SEPARATED BY space.
     lv_xstring = zcl_abapgit_convert=>string_to_xstring_utf8( lv_string ).
      lv_string = lv_xstring.
      CONCATENATE lv_string '00' INTO lv_string.
PROBLEMS
           OUTPUT DEBUG CONSOLE
                                     TERMINAL
                                                      Filter (e.g. text, **/*.ts, !**/node_modules/**)
No problems have been detected in the workspace so far.
```

Go to definition

```
≡ zcl_abapgit_hash.clas.abap ×

   METHOD sha1.
     DATA: lv_len
                      TYPE i,
            lv_char10 TYPE c LENGTH 10,
            lv_string TYPE string,
           lv_xstring TYPE xstring.
     lv_len = xstrlen( iv_data ).
     lv_char10 = lv_len.
     CONDENSE lv_char10.
     CONCATENATE iv_type lv_char10 INTO lv_string SEPARATED BY space.
     lv_xstring = zcl_abapgit_convert=>string_to_xstring_utf8( lv_string ).
     lv_string = lv_xstring.
     CONCATENATE lv_string '00' INTO lv_string.
     lv_xstring = lv_string.
      CONCATENATE lv_xstring iv_data INTO lv_xstring IN BYTE MODE.
```

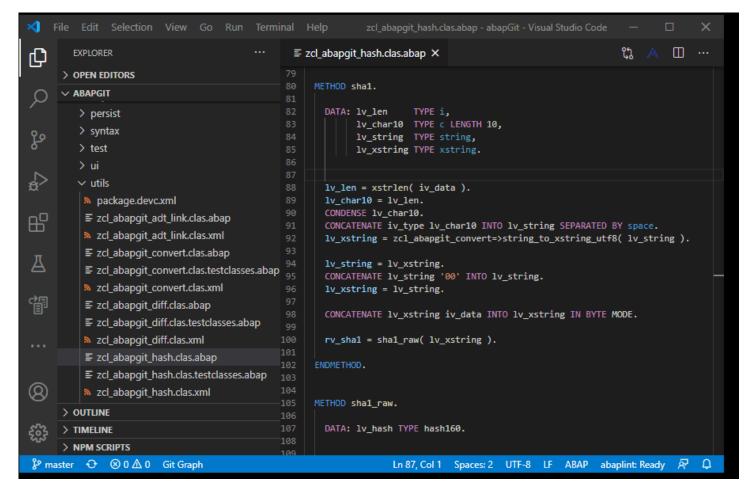
Hover

```
≡ zcl_abapgit_hash.clas.abap ×
   METHOD sha1.
     DATA: lv_len
                     TYPE i,
           lv_char10 TYPE c LENGTH 10,
           lv_string TYPE string,
         lv_xstring TYPE xstring.
     lv_len = xstrlen( iv_data ).
     lv_char10 = lv_len.
     CONDENSE lv_char10.
     CONCATENATE iv_type lv_char10 INTO lv_string SEPARATED BY space.
     lv_xstring = zcl_abapgit_convert=>string_to_xstring_utf8( lv_string ).
     lv_string = lv_xstring.
     CONCATENATE lv_string '00' INTO lv_string.
     lv_xstring = lv_string.
     CONCATENATE lv_xstring iv_data INTO lv_xstring IN BYTE MODE.
```

Rename

```
ម្ដា
                                                                                                      III ...
  ≡ zcl_abapgit_hash.clas.abap ×
      METHOD sha1.
        DATA: lv_len
                       TYPE i,
              lv_char10 TYPE c LENGTH 10,
              lv_string TYPE string,
              lv_xstring TYPE xstring.
        lv_len = xstrlen( iv_data ).
        lv\_char10 = lv\_len.
        CONDENSE lv_char10.
        CONCATENATE iv_type lv_char10 INTO lv_string SEPARATED BY space.
        lv_xstring = zcl_abapgit_convert=>string_to_xstring_utf8( lv_string ).
        lv_string = lv_xstring.
        CONCATENATE lv_string '00' INTO lv_string.
        lv_xstring = lv_string.
        CONCATENATE lv_xstring iv_data INTO lv_xstring IN BYTE MODE.
        rv_sha1 = sha1_raw( lv_xstring ).
      ENDMETHOD.
104
105
      METHOD sha1_raw.
107
        DATA: lv_hash TYPE hash160.
108
                                               Ln 90, Col 24 Spaces: 2 UTF-8 LF ABAP abaplint: Ready 🔊
```

References

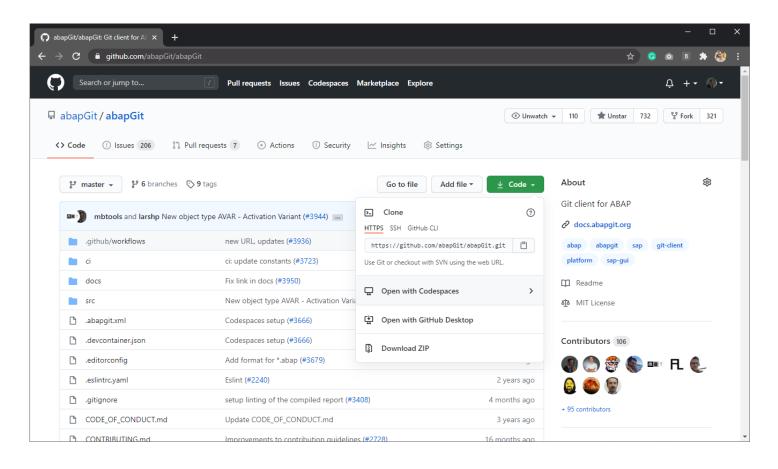


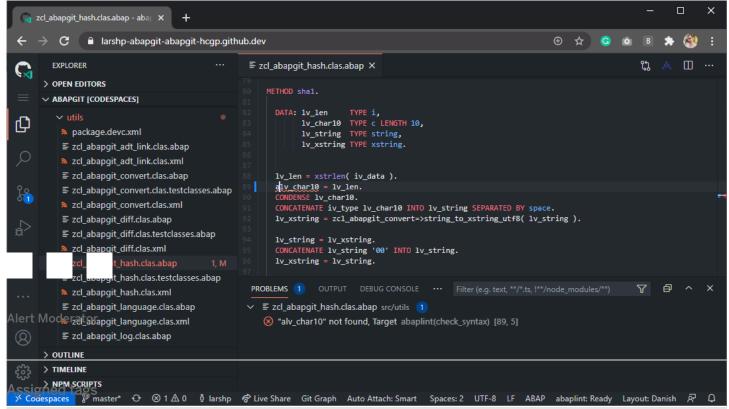
Quick Fix

```
≡ zcl_abapgit_hash.clas.abap ×
    METHOD sha1.
      DATA: lv_len TYPE i,
           lv_char10 TYPE c LENGTH 10,
           lv_string TYPE string,
           lv_xstring TYPE xstring.
88
      lv_len = xstrlen( _iv_data ).
      lv_char10 = lv_len.
      CONDENSE lv_char10.
      CONCATENATE iv_type lv_char10 INTO lv_string SEPARATED BY space.
      lv_xstring = zcl_abapgit_convert=>string_to_xstring_utf8( lv_string ).
      lv_string = lv_xstring.
      CONCATENATE lv_string '00' INTO lv_string.
      lv_xstring = lv_string.
 PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL Filter (e.g. text, **/*.ts, !**/node_modules/**)
 Remove double space abaplint(double_space) [88, 23]
```

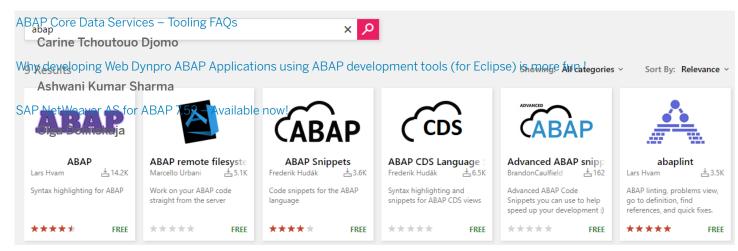
GitHub Codespaces

All this also works with Github Codespaces running in the browser,





ABAP Development | #ABAP | #vscode |



lock

Bug reports and bugfixes welcome at https://github.com/abaplint/vscode-abaplint by Former Member , Jul 20, 2006

mime objects are not displayed

By Former Member, Jul 13, 2006

Mission and it will always be two steps behind, just like Phosterane) Mevelor peretodi i Ag. 4

4 Comments



September 28, 2020 at 3:09 pm

If you could now also implement a runtime for ABAP without the need for an application server.... 😆



#freeABAP

Like (2) | Reply | Alert Moderator



Lars Hvam | Post author

September 28, 2020 at 4:50 pm

see https://blogs.sap.com/2020/09/13/my-solution-to-the-abap-community-coding-challenge/

Like(0) | Reply | Edit | Alert Moderator |



September 29, 2020 at 7:12 am





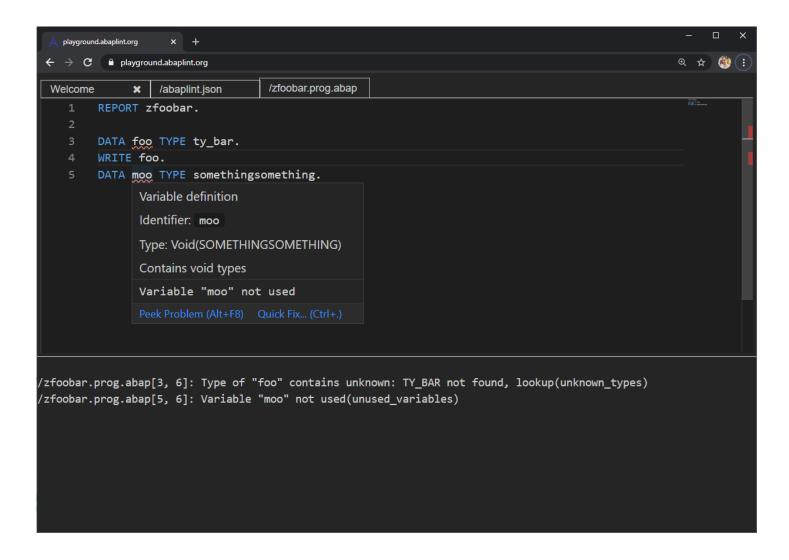
Lars Hvam | Post author

September 28, 2020 at 4:53 pm

And btw, its MIT licensed

There is no typeahead, yet

The namespace for errors is configurable, in below an error is issued for SOMETHINGSOMETHING, but not for TY_BAR. Things that are not known and outside the error namespace will become void, and everything for it trusted



Find us on

Privacy	Terms of Use
Legal Disclosure	Copyright
Trademark	Cookie Preferences
Newsletter	Support