

ABAP Development: Open Source ABAP tools - abaplint and abapCov

Posted by [Lars Hvam](#) Mar 20, 2016

abaplint

[Continuous Integration](#) is a hot topic, but it has always been difficult to do anything for ABAP open source projects, as it would require a dedicated SAP system to run the tests on.

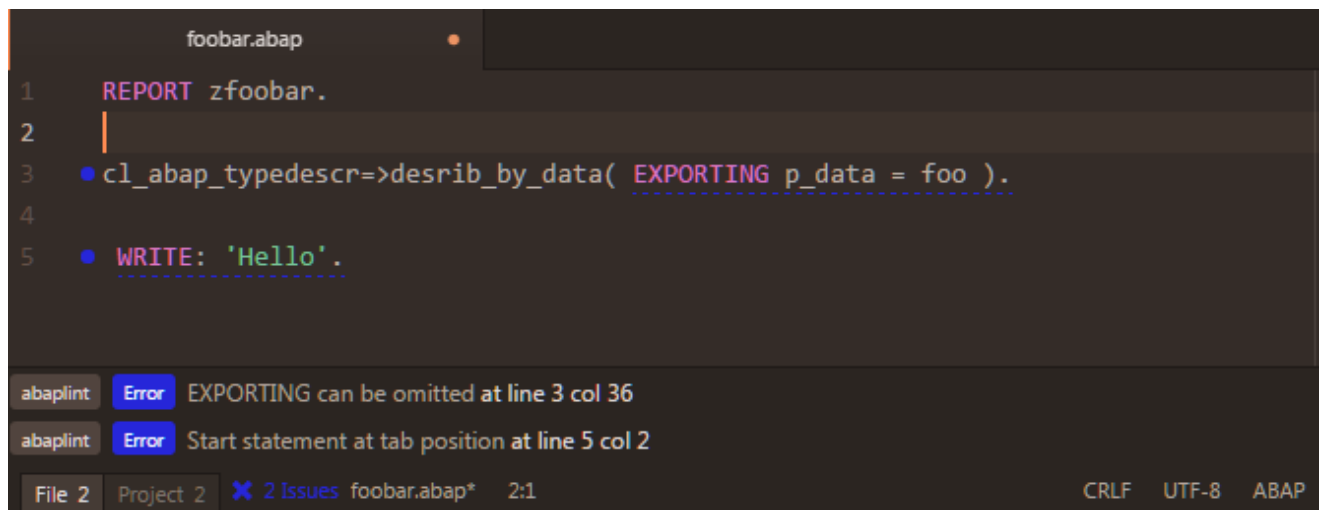
So I've started writing [abaplint](#) which is a [linter](#) written in [TypeScript](#) for checking ABAP code. abaplint compiles to javascript, which can be executed on various platforms. It will only do the "Code Inspector" part of checking the code, unit tests will not be run and is not in scope for this project.

abaplint will work for objects that have been serialized using [abapGit](#), or files containing the raw abap code.

Currently different 17 rules have been implemented, see <https://github.com/larshp/abaplint/wiki>. The checks can be enabled or disabled plus configured via a abaplint.json file. The project is open source and is work in progress, so expect some problems, but pull requests and suggestions are also welcome.

abaplint can be setup to run on [Travis CI](#)(see example at <https://travis-ci.org/larshp/abapGit>), each time a push is done to the ABAP git repository, Travis will download the latest abaplint via [npm](#) and run the linter on the committed code.

It also works in the [Atom](#) editor,



The screenshot shows the Atom editor interface with a file named 'foobar.abap'. The code is as follows:

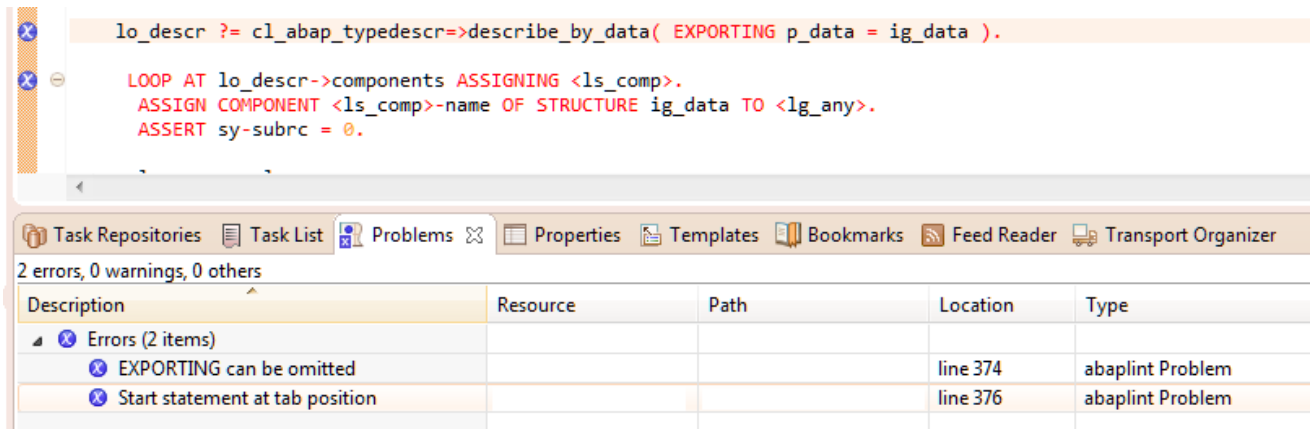
```
1  REPORT zfoobar.
2
3  cl_abap_typedescr=>describ_by_data( EXPORTING p_data = foo ).
4
5  WRITE: 'Hello'.
```

Below the code, the abaplint error messages are displayed:

- abaplint Error: EXPORTING can be omitted at line 3 col 36
- abaplint Error: Start statement at tab position at line 5 col 2

The status bar at the bottom indicates 'File 2', 'Project 2', '2 Issues', 'foobar.abap*', '2:1', 'CRLF', 'UTF-8', and 'ABAP'.

And in Eclipse(update site to be created),



Plus on the web

abaplint web edition | [syntax diagrams](#)

```
REPORT ZHELLO.  
  WRITE 'Hello World'.
```

Run

Issues: 1

1	REPORT ZHELLO.
2 Start statement at tab position	WRITE 'Hello World'.

abapCov

abapCov takes a step towards visualizing the coverage of the unit tests run on the ABAP server.

Run abapCov on the ABAP server, it will run the unit tests with coverage enabled, and the coverage result is then uploaded to <https://codecov.io> where anyone can check it out.

See example at <https://codecov.io/github/larshp/abapOpenChecks>

<https://github.com/larshp/abaplint> or via npm

<https://github.com/larshp/abapCov>

16 Views Tags: [abap](#), [open_source](#), [code_inspector](#), [sci](#), [github](#), [abaplint](#), [abapgit](#), [lint](#)

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