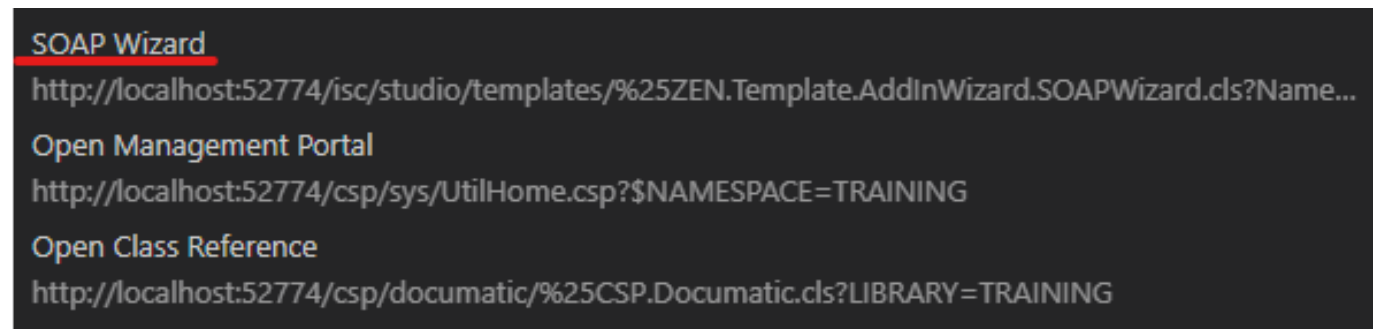


Article

[Tani Frankel](#) · Mar 18, 2021 2m read

VSCode Tips & Tricks - SOAP Wizard

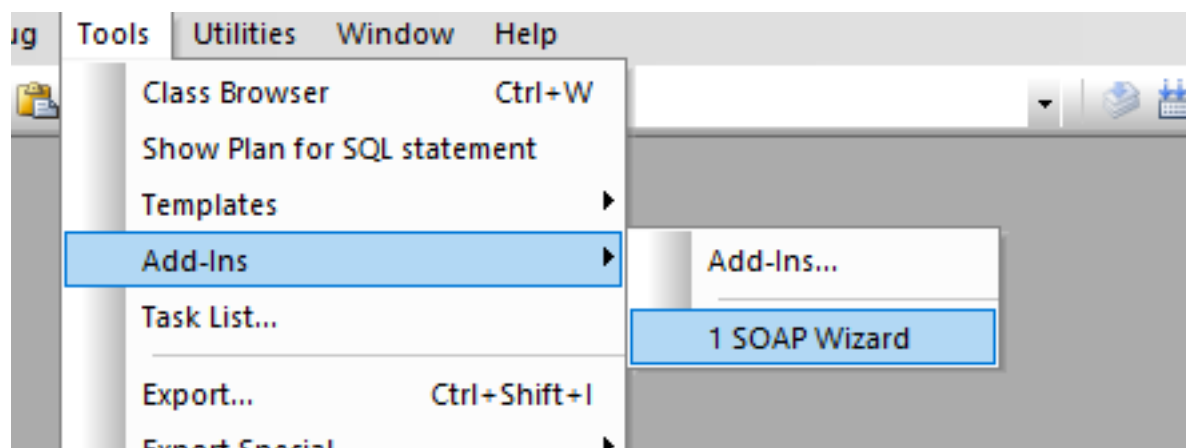
Another VSCode "Tips & Tricks" entry -



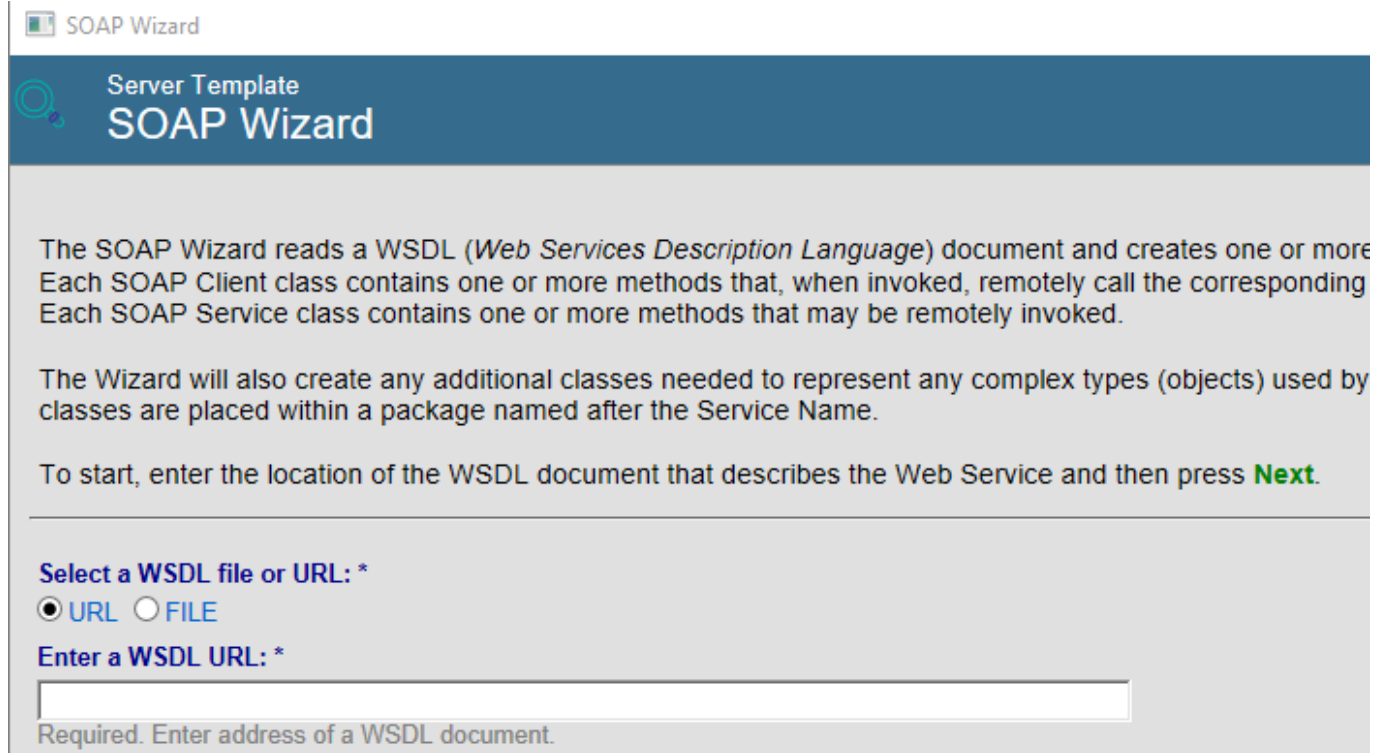
Do you want to see this option in VSCode?

This time we'll focus on how to get the SOAP Wizard as was available in Studio (to define a WSDL-based SOAP Web Service client (and Business Operation), or service).

If you work with Web Services you most probably used the SOAP Wizard in Studio. You would open it via Tools -> Add-Ins



And this opened a "Server Template" -



SOAP Wizard

Server Template SOAP Wizard

The SOAP Wizard reads a WSDL (*Web Services Description Language*) document and creates one or more SOAP Client classes. Each SOAP Client class contains one or more methods that, when invoked, remotely call the corresponding SOAP Service. Each SOAP Service class contains one or more methods that may be remotely invoked.

The Wizard will also create any additional classes needed to represent any complex types (objects) used by the SOAP Service. These classes are placed within a package named after the Service Name.

To start, enter the location of the WSDL document that describes the Web Service and then press **Next**.

Select a WSDL file or URL: *

☒ URL ☐ FILE

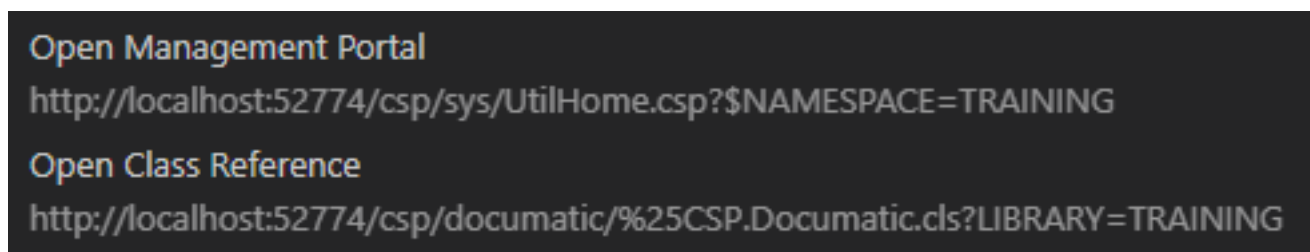
Enter a WSDL URL: *

Required. Enter address of a WSDL document.

In VSCode you might be wondering how you can access this.

Well the basic fact you need to understand is that truly this Add-In or Wizard is simply a web page, displayed within Studio per above, and as such can also be accessed in a simple browser. VSCode facilitates the opening of such a browser with the desired content (ultimately constructing the correct URL with the right server name, port, web application, etc.).

The result would be the same as you see an option to open the Management Portal or the Class Reference (with relevant URLs) when you click on the Server Connection on the bottom Status Bar of VSCode, for example:



You will also see an entry for the SOAP Wizard.

You can achieve this by adding a 'links' entry in to your 'conn' object in your Settings JSON of your ObjectScript Extension, and specifying the desired URL (using the relevant variables).

This is mentioned in the VSCode ObjectScript's GitHub Issues discussion under a ["SOAP Wizard" issue](#), with comments by [@John Murray](#) and [@Ondrej Hoferek](#), and also referred to in [this comment](#) on a Community post by [@Timothy Leavitt](#)

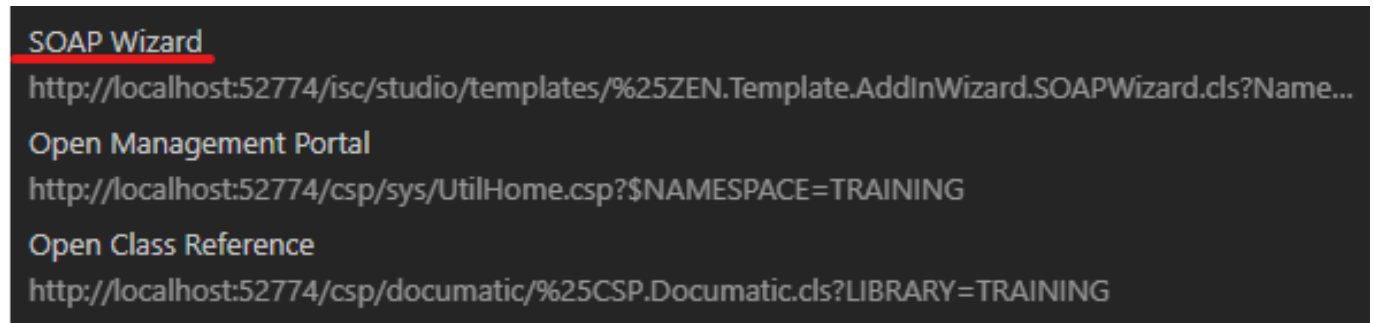
The JSON value would be:

```
"SOAP Wizard": "${serverUrl}/isc/studio/templates/%25ZEN.Template.AddInWizard.SOAPWizard.cls?Namespace=${namespace}${serverAuth}"
```

And this part would look like this:

```
"objectscript.conn": {  
  "links": {  
    "SOAP Wizard": "${serverUrl}/isc/studio/templates/%25ZEN.Template.AddInWizard.SOAPWizard.cls?Namespace=${namespace}${serverAuth}"  
  },  
}
```

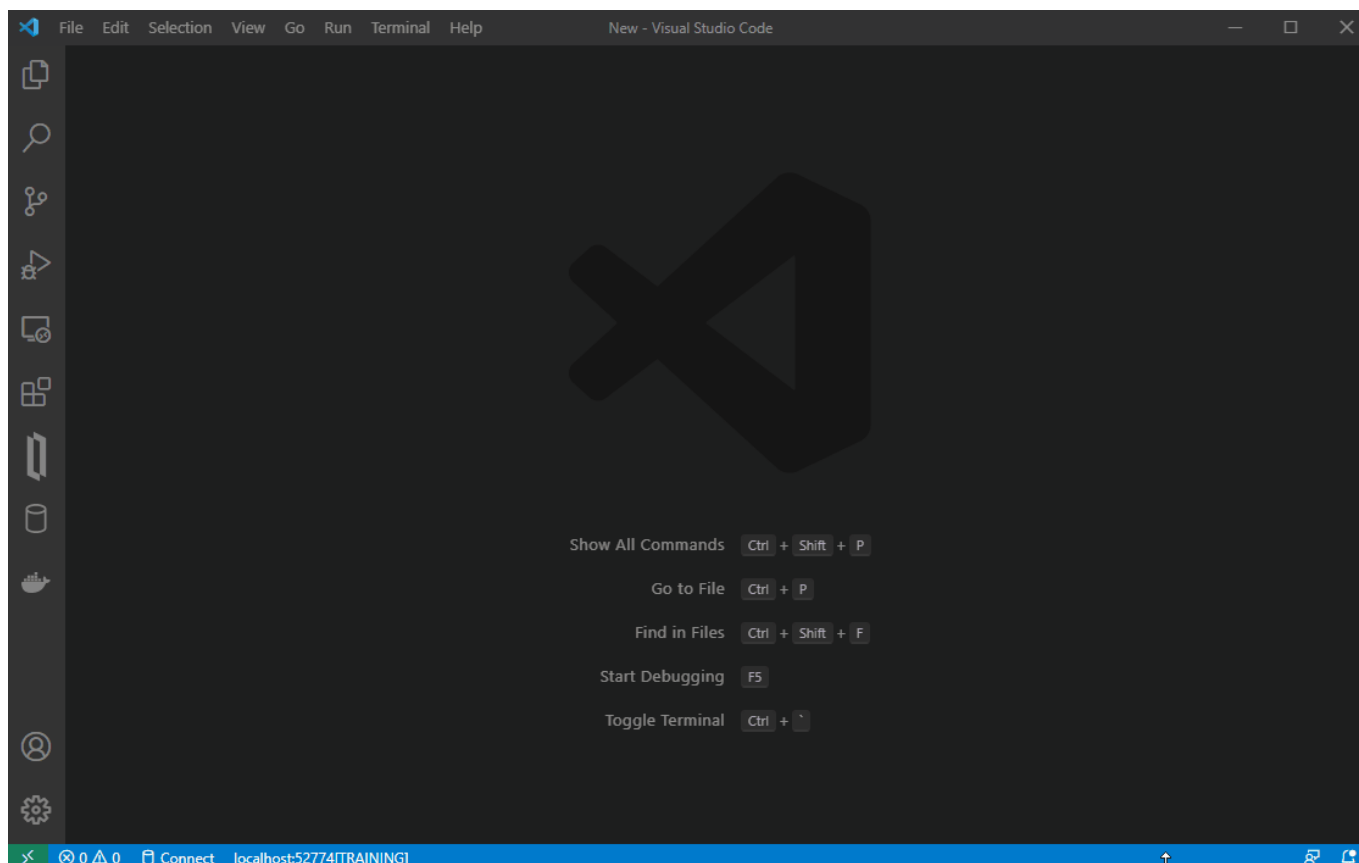
Once you have this you will see an extra option when you click on the Connection -



And choosing that option will take you to the desired Wizard (opened in a Browser):

A screenshot of a web browser showing the "SOAP Wizard" interface. The browser's address bar shows the URL "localhost:52774/isc/studio/templates/%25ZEN.Template.AddInWizard.SOAPWizard.cls?Namespace...". The page has a blue header with the text "Server Template SOAP Wizard". Below the header, there is a light gray background with text explaining the wizard's purpose: "The SOAP Wizard reads a WSDL (Web Services Description Language) document and creates classes. Each SOAP Client class contains one or more methods that, when invoked, remotely call a Web Service. Each SOAP Service class contains one or more methods that may be remotely invoked." It also states: "The Wizard will also create any additional classes needed to represent any complex types (objects). The additional classes are placed within a package named after the Service Name." and "To start, enter the location of the WSDL document that describes the Web Service and then press the Next button." Below this text, there is a section titled "Select a WSDL file or URL: *" with two radio buttons: "URL" (selected) and "FILE". Below this is a section titled "Enter a WSDL URL: *" with a text input field. At the bottom, there is a red error message: "Required. Enter address of a WSDL document."

Here's a short GIF demonstrating this process (starting from the regular menu when clicking the Connection, and ending with the menu including the SOAP Wizard).



Note there are other Wizards (or Templates) you can add this way (like the XSD Wizard for example).

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Source URL: <https://community.intersystems.com/post/vscode-tips-tricks-soap-wizard>