



adaptTo()

EUROPE'S LEADING AEM DEVELOPER CONFERENCE
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AEM Stubs

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Why?

3rd party JSON API to integrate with React/Angular AEM app is:

- Not yet available
 - Implemented in parallel by other teams
- Available only on higher environments
 - Not available on local dev environments

3rd party JSON API to integrate with React/Angular AEM app is:

- Not stable enough
- Changing too frequently
 - Acceptable request parameters
 - Response data format / JSON

- Stubs/mocks may be needed at the unknown moment in the project lifecycle
- Setting up additional infrastructure may cost too much in smaller AEM projects
 - E.g separate standalone WireMock server

How?

Open-source tool:

<https://github.com/Cognifide/aem-stubs>

Installable via single CRX package:



stubs-all-1.0.4.zip

Version: 1.0.4 | Last installed 9:47 | admin

Tool for providing sample data for AEM applications in a simple and flexible way. Stubbing server on AEM, no separate needed.

[Documentation](#)

  OK | 20.7 MB

localhost:4502/crx/de/index.jsp#/conf/stubs/wiremock/samples/hello-world.stub.groovy

CRXDE Lite

Save All | Create ... | Delete | Copy | Paste | Move ... | Rename ... | Overlay Node ... | Mixins ... | Tools

Administrator@

/conf/stubs/wiremock/samples/hello-world.stub.groovy

Home | hello-world.stub.json | hello-world.stub.groovy

```

1 stubs.server.with {
2   stubFor(delete("/fine")
3     .willReturn(ok()))
4
5   stubFor(get("/fine-with-body")
6     .willReturn(ok("body content")))
7
8   stubFor(get(urlEqualTo("/body-file"))
9     .willReturn(aResponse()
10      .withBodyFile("samples/message.json")
11      .withHeader("Content-Type", "application/json")))
12
13   stubFor(get("/json")
14     .willReturn(okJson("{\"message\": \"Hello\"}")))
15
16   stubFor(get("/image")
17     .willReturn(aResponse()
18      .withBodyFile("samples/logo.png")
19      .withHeader("Content-Type", "image/png")))
20
21   stubFor(post("/post")
22     .willReturn(okJson("{\"message\": \"Hello Post\"}")))
23
24   stubFor(post("/redirect")
25     .willReturn(temporaryRedirect("/stubs/fine-with-body")))
26

```

Line 22, Column 70

Properties | Access Control | Replication | Console | Build I

Server Logs

```

25.05.2020 21:39:01.122 *INFO* [slings-oak-observation-2] com.cognifide.aem.stubs.core.ConfigurableStubManager Loading AEM Stubs mappings with extension
'.stub.json' under path '/conf/stubs/wiremock'
25.05.2020 21:39:01.152 *INFO* [slings-oak-observation-2] com.cognifide.aem.stubs.core.ConfigurableStubManager Running AEM Stubs scripts with extension
'.stub.groovy' under path '/conf/stubs/wiremock'
25.05.2020 21:39:01.372 *INFO* [slings-oak-observation-2] com.cognifide.aem.stubs.core.ConfigurableStubManager AEM Stubs reloaded in 00:00:00.251 | Mapping
1/1=100% | Scripts: 2/2=100%

```

localhost:4502/stubs/json

localhost:4502/stubs/json

```
{ "message": "Hello" }
```


- Mocks for AEM on AEM
- Not reinventing a wheel
- Reusing popular stubbing frameworks
 - WireMock
 - Moco

Implementing stubs in CRX/DE

- Stored at path: `/conf/stubs`
- Imperatively via stub scripts: `*.stub.groovy`
- Declaratively via stub mapping: `*.stub.json`

Demo