Confluence/Asciidoc integration alternatives

Paulo Jerônimo, 2018-09-13 01:49:17 WEST

Table of Contents

⚠ None of the alternatives worked with version 6.11.1 (the latest available). I will try to put the alternative 2 to work with Confluence 6.0.5 (needed for it) soon and update this doc.

Download/run Confluence using Docker

```
$ version=6.11.1
$ mkdir -p confluence-$version
$ docker run -v $PWD/confluence-$version:/var/atlassian/application-data/confluence
--name="confluence" -d -p 8090:8090 -p 8091:8091 atlassian/confluence-server:$version
$ open http://localhost:8090
```

ℹ Follow the indicated steps to retrieve a license.

Test the REST API

```
$ curl -s -u admin:confluence -X GET "http://localhost:8090/rest/api/content/65539" |
python -mjson.tool
```

```json
{
    "id": "65539",
    "type": "page",
    "status": "current",
    "title": "What is Confluence? (step 1 of 9)",
    "space": {
        "id": 98305,
        "key": "ds",
        "name": "Demonstration Space",
        "type": "global",
        "_expandable": {
            "metadata": "",
            "icon": "",
            "description": "",
            "homepage": "/rest/api/content/65538"
        },
        "_links": {
            "self": "http://localhost:8090/rest/api/space/ds",
            "webui": "/display/ds"
        }
    },
    "history": {
        "latest": true,
        "createdBy": {
            "type": "anonymous",
            "profilePicture": {
```

```
                "path":
"/s/en_GB/7801/34aa5eb798330caaa3c61c10a6018f3a6d596eac/_/images/icons/profilepics/ano
nymous.svg",
                "width": 48,
                "height": 48,
                "isDefault": true
            },
            "displayName": "Anonymous"
        },
        "createdDate": "2018-01-23T14:22:06.113Z",
        "_expandable": {
            "lastUpdated": "",
            "previousVersion": "",
            "contributors": "",
            "nextVersion": ""
        },
        "_links": {
            "self": "http://localhost:8090/rest/api/content/65539/history"
        }
    },
    "version": {
        "by": {
            "type": "anonymous",
            "profilePicture": {
                "path":
"/s/en_GB/7801/34aa5eb798330caaa3c61c10a6018f3a6d596eac/_/images/icons/profilepics/ano
nymous.svg",
                "width": 48,
                "height": 48,
                "isDefault": true
            },
            "displayName": "Anonymous"
        },
        "when": "2018-09-12T19:33:37.808Z",
        "message": "",
        "number": 1,
        "minorEdit": false,
        "hidden": false,
        "_expandable": {
            "content": "/rest/api/content/65539"
        },
        "_links": {
            "self": "http://localhost:8090/rest/experimental/content/65539/version/1"
        }
    },
    "extensions": {
        "position": 0
    },
    "_expandable": {
        "container": "/rest/api/space/ds",
        "metadata": "",
```

```
        "operations": "",
        "children": "/rest/api/content/65539/child",
        "restrictions": "/rest/api/content/65539/restriction/byOperation",
        "ancestors": "",
        "body": "",
        "descendants": "/rest/api/content/65539/descendant"
    },
    "_links": {
        "self": "http://localhost:8090/rest/api/content/65539",
        "base": "http://localhost:8090",
        "context": "",
        "collection": "/rest/api/content",
        "webui": "/pages/viewpage.action?pageId=65539",
        "edit": "/pages/resumedraft.action?draftId=65539",
        "tinyui": "/x/AwAB"
    }
}
```

Stop/Start Confluence

```
$ docker stop confluence
$ docker start confluence
```

Integration alternative 1 - docToolchain

Download docToolchain

```
$ git clone https://github.com/docToolchain/docToolchain.git
```

Create a sample doc (based on template available on arc42)

```
$ cd docToolchain
$ ./gradlew -b init.gradle initArc42EN -PnewDocDir=sample
```

Generate sample HTML

```
$ ./bin/doctoolchain sample generateHTML
$ open sample/build/html5/arc42-template.html
```

Generate sample PDF

```
$ ./bin/doctoolchain sample generatePDF
$ open sample/build/pdf/arc42-template.pdf
```

Configure sample/scripts/Confluence.groovy

```
$ f=sample/scripts/ConfluenceConfig.groovy; cp $f $f.original
$ vim $f
```

```
$ diff -uNr $f{.original,}
```

```
--- sample/scripts/ConfluenceConfig.groovy.original 2018-09-12 21:06:54.000000000
+0100
+++ sample/scripts/ConfluenceConfig.groovy  2018-09-12 22:07:46.000000000 +0100
@@ -12,16 +12,16 @@
 //
 // only 'file' or 'url' is allowed. If both are given, 'url' is ignored
 input = [
-        [ file: "build/docs/html5/arc42-template-de.html" ],
+        [ file: "build/html5/arc42-template.html" ],
 //       [ url:  "http://aim42.github.io/htmlSanityCheck/hsc_arc42.html" ],
 //     [ file: "asciidocOutput1.html", ancestorId: '' ],
 //     [ file: "asciidocOutput2.html", ancestorId: 123456 ]
 ]

 // endpoint of the confluenceAPI (REST) to be used
-confluenceAPI = 'https://[yourServer]/[context]/rest/api/'
+confluenceAPI = 'http://localhost:8090/rest/api/'
 // the key of the confluence space to write to
-confluenceSpaceKey = 'asciidoc'
+confluenceSpaceKey = '_Sandbox'
 // variable to determine whether ".sect2" sections shall be split from the current
page into subpages
 confluenceCreateSubpages = false

@@ -34,6 +34,7 @@
 // if you want to store it securely, fetch it from some external storage.
 // you might even want to prompt the user for the password like in this example
 //confluenceCredentials = "user:${System.console().readPassword('confluence password:
')}".bytes.encodeBase64().toString()
+confluenceCredentials = "admin:confluence".bytes.encodeBase64().toString()

 // HTML Content that will be included with every page published
 // directly after the TOC. If left empty no additional content will be
```

Publish to Confluence

```
$ ./bin/doctoolchain sample publishToConfluence --no-daemon -q
```

```
/Users/pj/labs/confluence-asciidoc-integration-
alternatives/docToolchain/sample/build/ppt/images
docDir: /Users/pj/labs/confluence-asciidoc-integration-
alternatives/docToolchain/sample
confluenceConfigFile: scripts/ConfluenceConfig.groovy
arc42
something went wrong - got an http response code 500:
[statusCode:500, message:java.lang.IllegalArgumentException: parameters should not be
empty, reason:Internal Server Error]

FAILURE: Build failed with an exception.

* Where:
Script '/Users/pj/labs/confluence-asciidoc-integration-
alternatives/docToolchain/scripts/publishToConfluence.gradle' line: 22

* What went wrong:
Execution failed for task ':publishToConfluence'.
> groovyx.net.http.HttpResponseException:

* Try:
Run with --stacktrace option to get the stack trace. Run with --info or --debug option
to get more log output.

* Get more help at https://help.gradle.org

BUILD FAILED in 6s
```

Integration alternative 2 - confluence-publisher

```
$ ip=`ipconfig getifaddr en0`
$ docker run --rm -e ROOT_CONFLUENCE_URL=http://$ip:8090 \
    -e USERNAME=admin \
    -e PASSWORD=confluence \
    -e SPACE_KEY=_Sandbox \
    -e ANCESTOR_ID=65584 \
    -e PAGE_TITLE_PREFIX="Draft - " \
    -e PAGE_TITLE_SUFFIX=" (V 1.0)" \
    -v $PWD/src/docs/asciidoc:/var/asciidoc-root-folder \
    confluencepublisher/confluence-publisher:0.0.0-SNAPSHOT
```

```
Exception in thread "main"
org.sahli.asciidoc.confluence.publisher.client.http.RequestFailedException: 404  GET
http://192.168.1.110:8090/rest/api/content?spaceKey=_Sandbox&title=Draft+-
Confluence%2FAsciidoc+integration+alternatives+%28V+1.0%29
    at
org.sahli.asciidoc.confluence.publisher.client.http.ConfluenceRestClient.lambda$sendRe
questAndFailIfNot20x$8(ConfluenceRestClient.java:222)
    at
org.sahli.asciidoc.confluence.publisher.client.http.ConfluenceRestClient.sendRequest(C
onfluenceRestClient.java:236)
    at
org.sahli.asciidoc.confluence.publisher.client.http.ConfluenceRestClient.sendRequestAn
dFailIfNot20x(ConfluenceRestClient.java:219)
    at
org.sahli.asciidoc.confluence.publisher.client.http.ConfluenceRestClient.getPageByTitl
e(ConfluenceRestClient.java:105)
    at
org.sahli.asciidoc.confluence.publisher.client.ConfluencePublisher.addOrUpdatePage(Con
fluencePublisher.java:118)
    at
org.sahli.asciidoc.confluence.publisher.client.ConfluencePublisher.lambda$startPublish
ingUnderAncestorId$0(ConfluencePublisher.java:79)
    at java.util.ArrayList.forEach(ArrayList.java:1255)
    at
org.sahli.asciidoc.confluence.publisher.client.ConfluencePublisher.startPublishingUnde
rAncestorId(ConfluencePublisher.java:77)
    at
org.sahli.asciidoc.confluence.publisher.client.ConfluencePublisher.publish(ConfluenceP
ublisher.java:70)
    at
org.sahli.asciidoc.confluence.publisher.cli.AsciidocConfluencePublisherCommandLineClie
nt.main(AsciidocConfluencePublisherCommandLineClient.java:70)
```

Next steps

1. Open issues for each project.

2. Try to use other Confluence versions.

References

- https://hub.docker.com/r/atlassian/confluence-server/

- https://developer.atlassian.com/server/confluence/confluence-rest-api-examples/

- https://github.com/docToolchain/docToolchain/

- https://github.com/alainsahli/confluence-publisher

- https://github.com/rdmueller/asciidoc2confluence

- https://community.atlassian.com/t5/Confluence-questions/How-to-publish-externally-generated-html-to-confluence/qaq-p/666020
- https://confluence.atlassian.com/conf61/import-content-into-confluence-877187816.html
- https://confluence.atlassian.com/doc/html-macro-38273085.html
- https://confluence.atlassian.com/confkb/how-to-get-confluence-page-id-648380445.html
- https://github.com/blacklabelops/confluence