



HL7 FHIR DevDays 2018



VonkLoader

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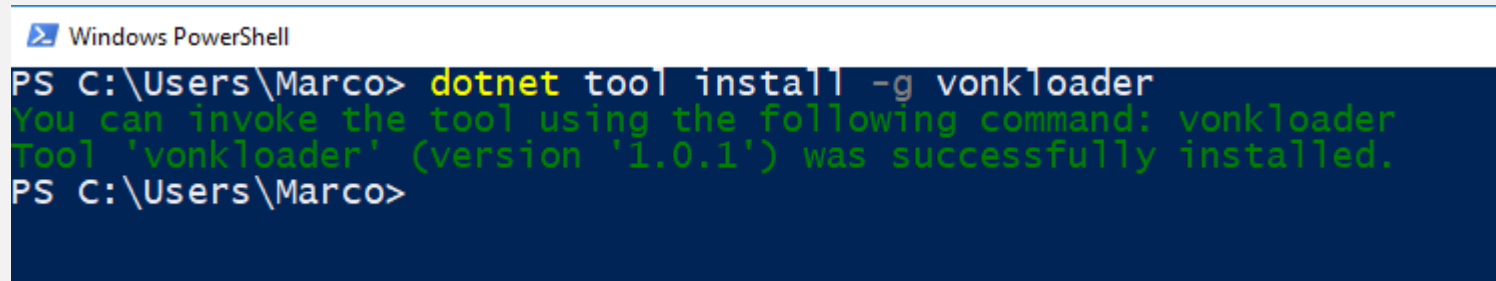
VonkLoader

- Bulk uploading resources to any FHIR server (not only Vonk 😊)
- Command line tool for Windows, Linux, macOS
- Uploading resources in parallel

```
PS C:\Users\Ardon> vonkloader "-file:C:\Users\Ardon\Documents\GitHub\FHIR server example
.ly -allowCreate
2018-06-14 15:01:15 [Information] Trying to read examples from file C:\Users\Ardon\Docum
.zip
2018-06-14 15:01:15 [Information] Sending examples to FHIR server at https://vonk.fire.l
2018-06-14 15:01:15 [Information] Limit not specified, loading all examples in the file.
2018-06-14 15:01:15 [Information] Limit to parallel request not specified, defaulting to
2018-06-14 15:01:15 [Information] Testing Server https://vonk.fire.ly/: Retrieving it's
2018-06-14 15:01:16 [Information] Testing Server https://vonk.fire.ly/: CapabilityStatem
2018-06-14 15:01:16 [Information] Sending request POST https://vonk.fire.ly/Observation
2018-06-14 15:01:16 [Information] Sending request PUT https://vonk.fire.ly/AllergyIntole
nce-01
2018-06-14 15:01:16 [Information] Sending request PUT https://vonk.fire.ly/AllergyIntole
nce-01
2018-06-14 15:01:16 [Information] Sending request POST https://vonk.fire.ly/Observation
2018-06-14 15:01:16 [Information] Sending request PUT https://vonk.fire.ly/AllergyIntole
nce-02
2018-06-14 15:01:17 [Information] Sending request POST https://vonk.fire.ly/Observation
2018-06-14 15:01:17 [Information] Sending request POST https://vonk.fire.ly/Observation
2018-06-14 15:01:17 [Information] Sending request PUT https://vonk.fire.ly/Organization/
2018-06-14 15:01:17 [Information] Sending request PUT https://vonk.fire.ly/Practitioner/
2018-06-14 15:01:17 [Information] Sending request PUT https://vonk.fire.ly/DiagnosticRep
ult-diagnosticreport-01
2018-06-14 15:01:17 [Information] Sending request PUT https://vonk.fire.ly/Observation/m
bservation-01
```

How to install?

- Install [dotnet core 2.1 SDK](#)
- Open a command line prompt (powershell, bash, etc.)
- Run `dotnet tool install -g vonkloader`
- Run `vonkloader -h` for help



```
Windows PowerShell
PS C:\Users\Marco> dotnet tool install -g vonkloader
You can invoke the tool using the following command: vonkloader
Tool 'vonkloader' (version '1.0.1') was successfully installed.
PS C:\Users\Marco>
```

VonkLoader available parameters

`-file:<filename>`

zip file with xml and/or json files with resources, mandatory

`-server:<url>`

FHIR server base address, mandatory

`-limit:x`

load no more than x resources, default is all the resources in the zip

`-parallel:`

how many requests are sent in parallel, default is 10

`-collectionHandling: AsIs / Split / Batch`

`AsIs`: send a collection Bundle as is (to/Bundle)

`Split`: send each of the `Bundle.resource`'s from a collection Bundle separately (STU3 only)

`Batch`: convert the collection Bundle to a batch Bundle and send it to the server base address (STU3 only)

`-allowCreate`

if a resource has no id, issue a create. Default: ignore resources without id.

Demo

More information:

- <http://docs.simplifier.net/vonkloader/index.html>
- <https://blog.fire.ly/2018/06/14/bulk-upload-fhir-resources-vonkloader/>
- marco@fire.ly
- Hands-on session at DevDays