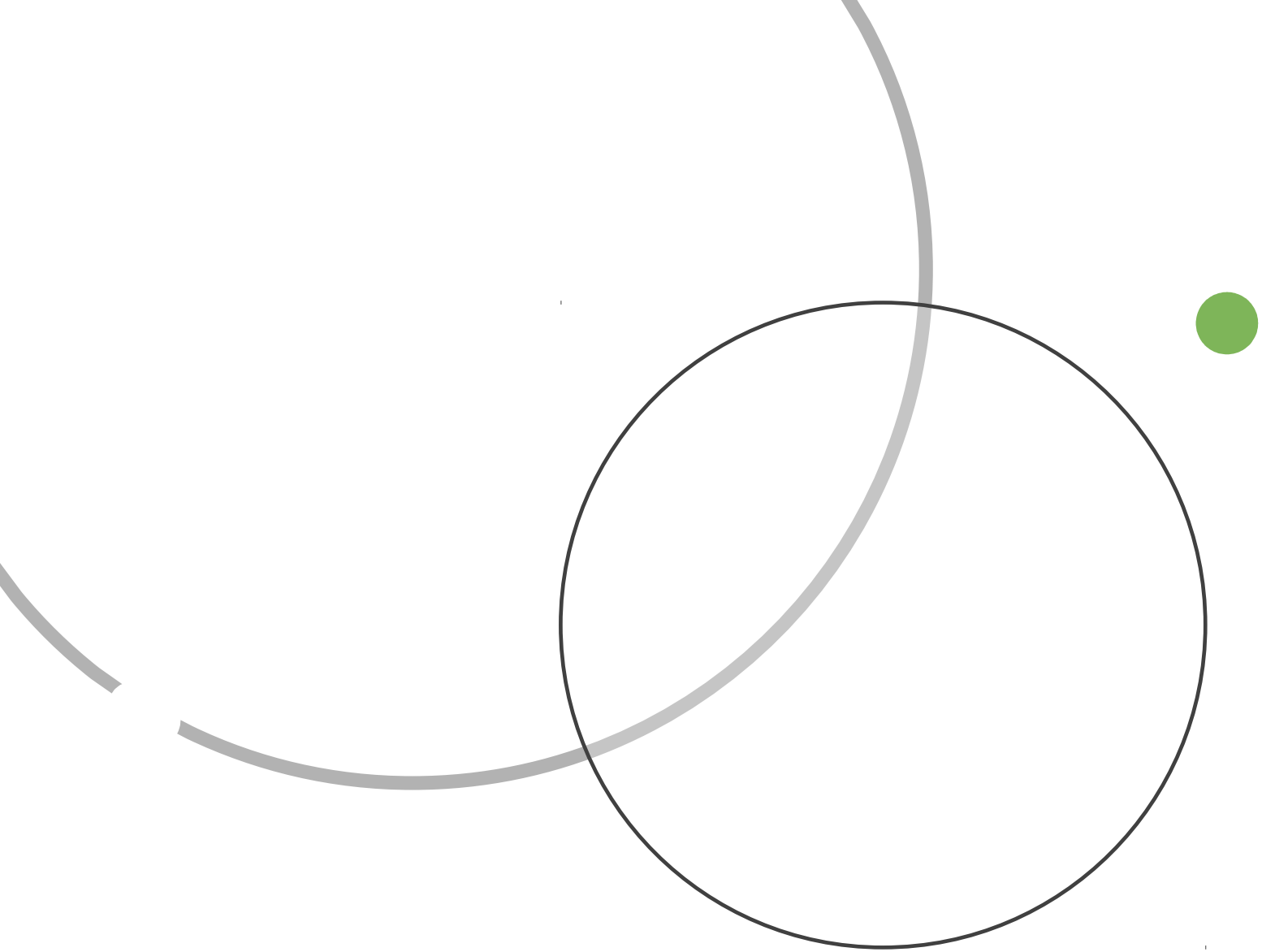


SGB-TW:

A tool to write Software Guidebook using ‘diagrams as code’ approach

What is a SGB?

- A Software Guide-book (SGB) is a document that describes the software architecture and high-level design of a system.
- In addition to that, the document contains maps, sight and itineraries, history and culture and practical information about the software; it describes what the code does not. And it is an alive and evolve document.

SGB-TW – Functionality

What is?

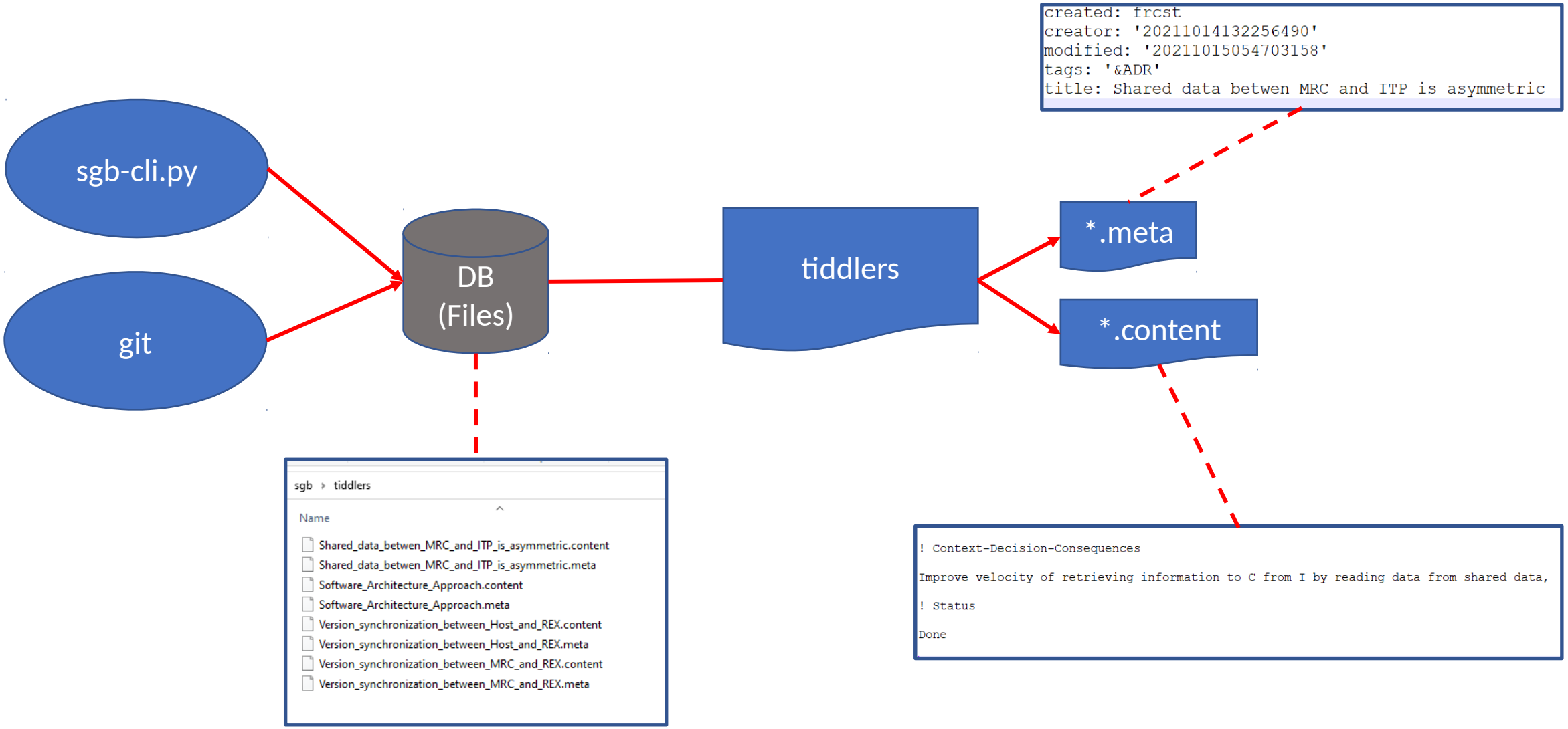
- A python command line and a customized TiddlyWiki (TW).
- TW is the GUI used to write the SGB, while the python script is used to retrieve and store information in the DB.
- The DB is manage using git as all is plain text.

Main functionality

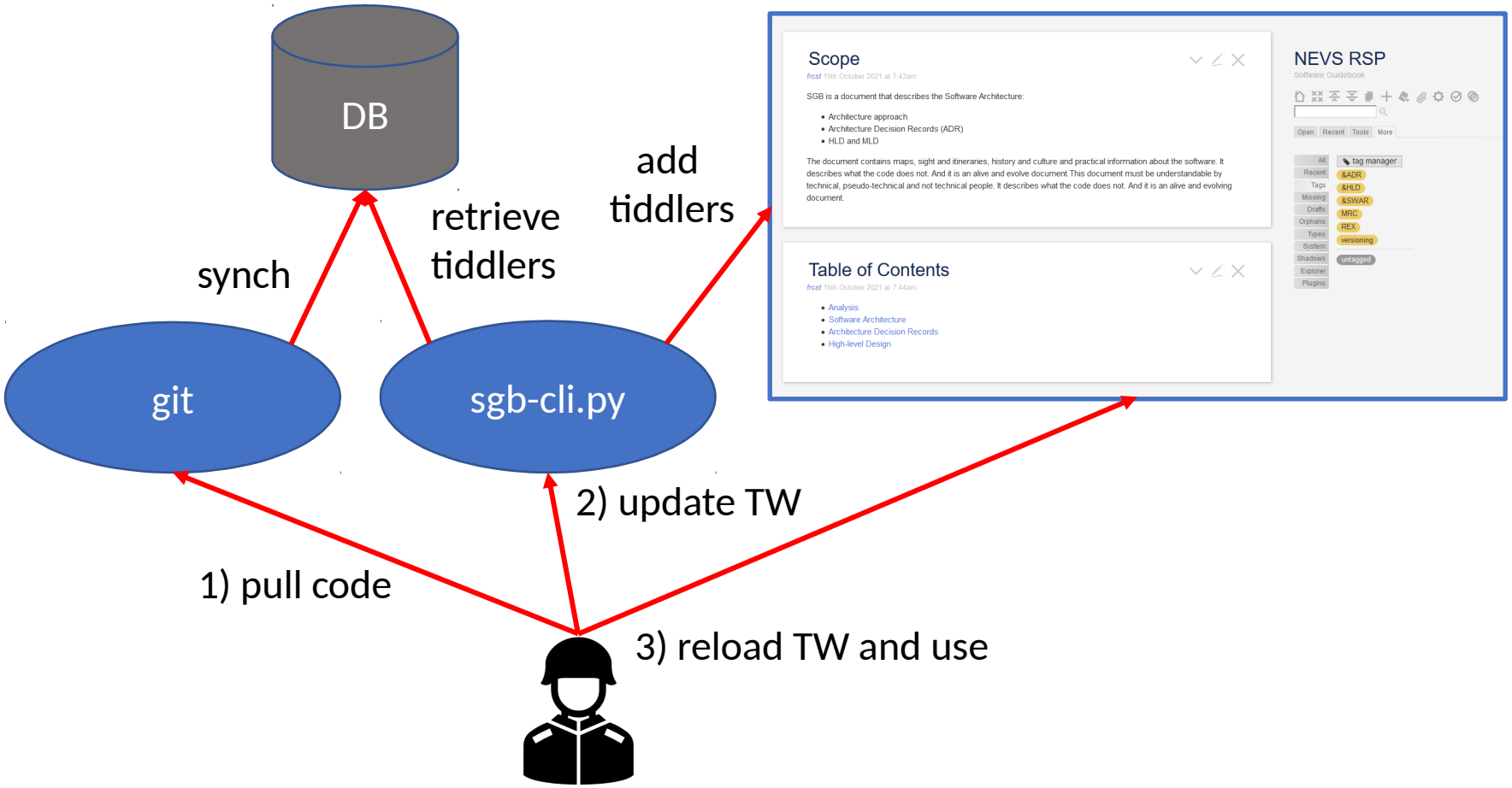
- Add notes to TW using wiki syntax and PlantUML.
- Notes could have tags so it is easy to search information using them.
- Generate reporst in PDF and more.

SGB-TW - Overview

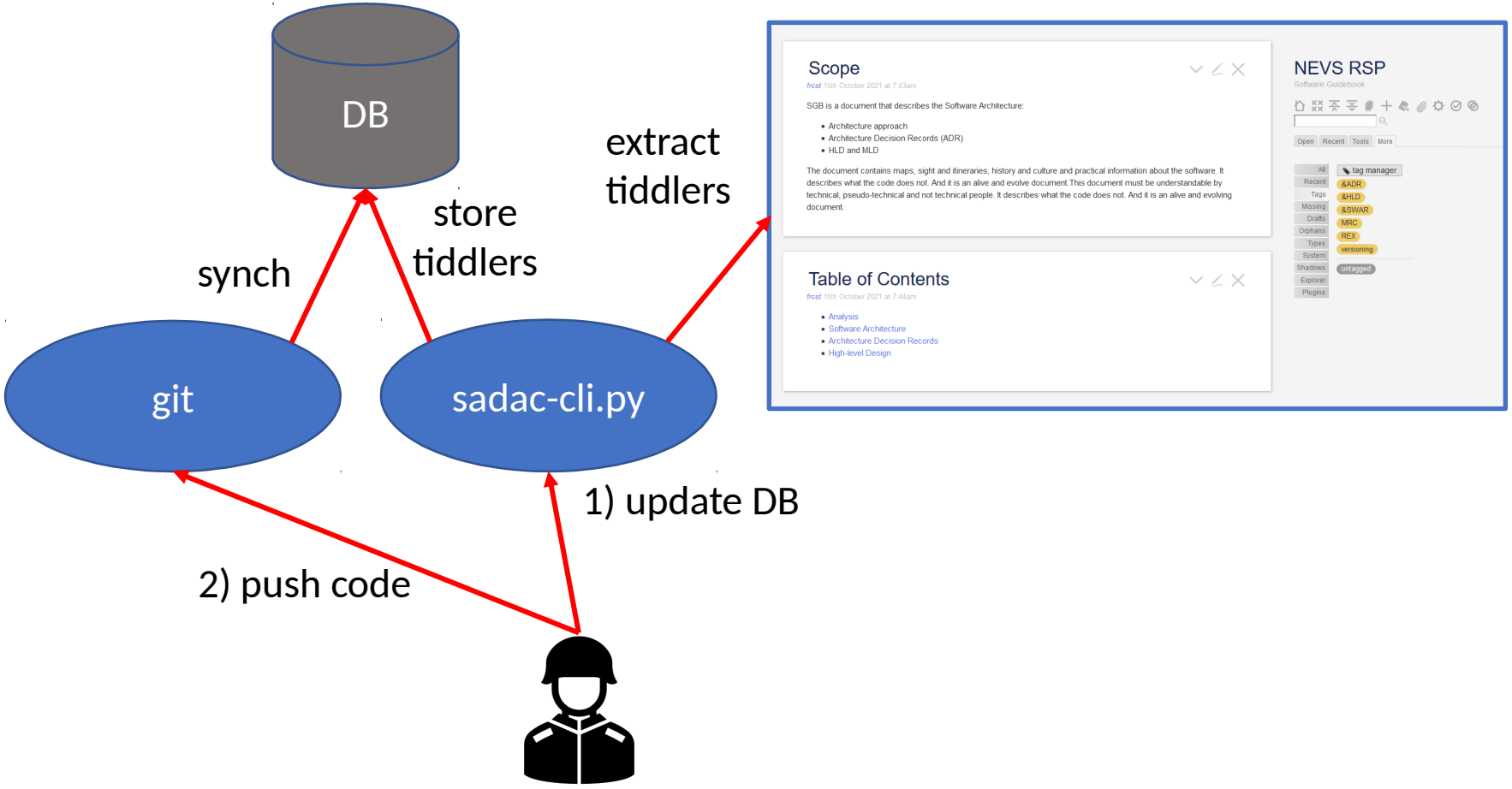
SGB-TW – DB Structure



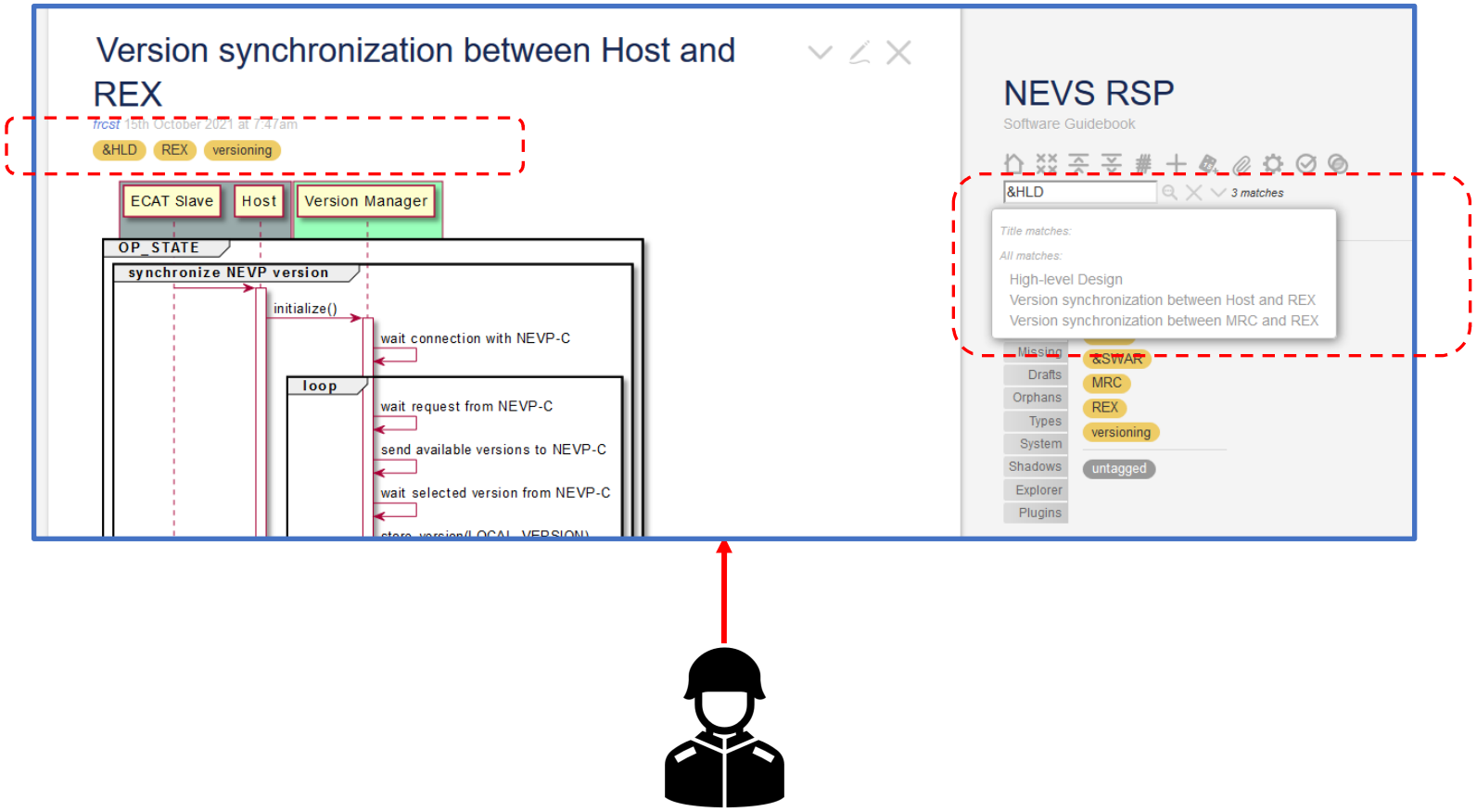
SGB-TW – Synch DB and TW (1)



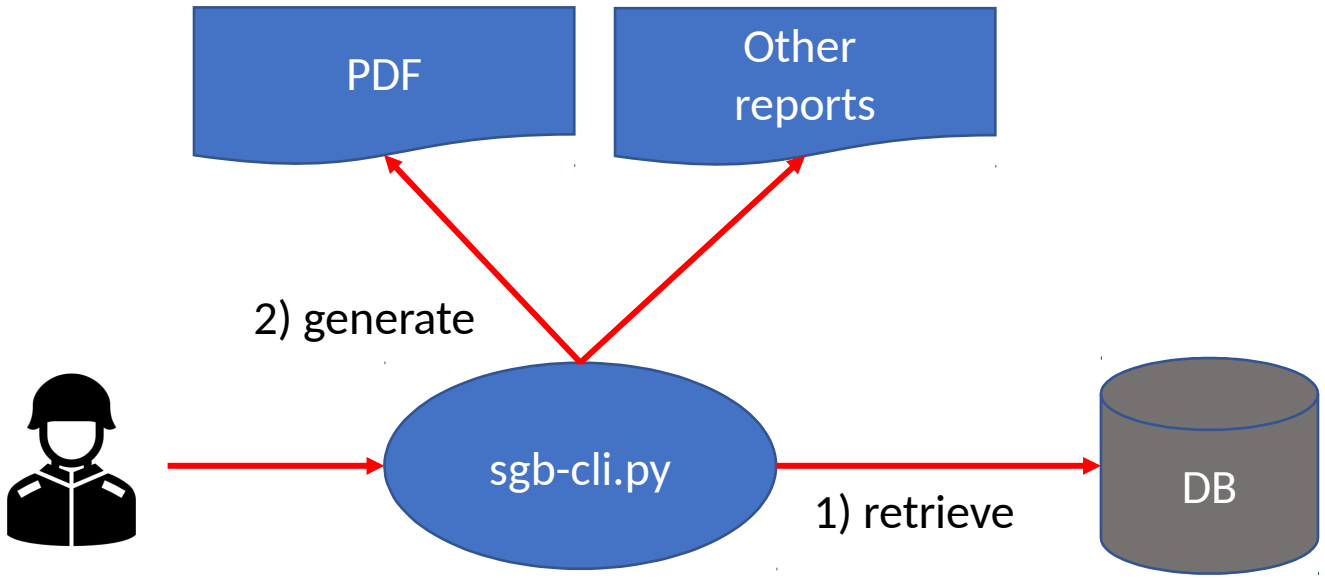
SGB-TW – Synch DB and TW (2)



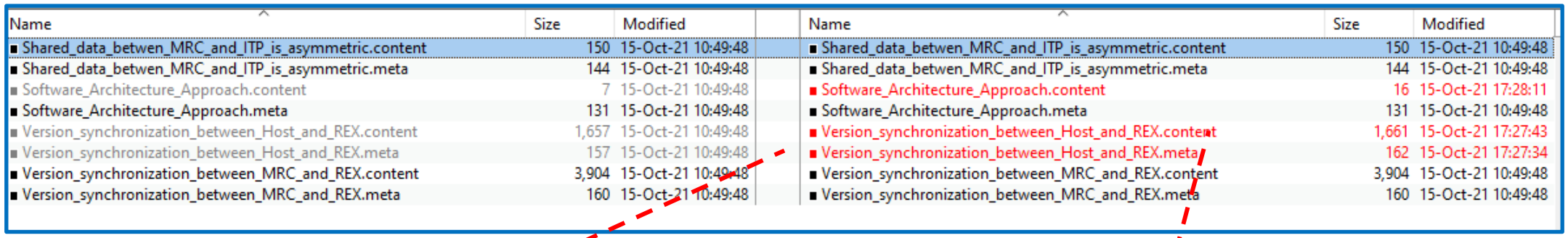
SGB-TW – Search using tags



SGB-TW – Generate reports

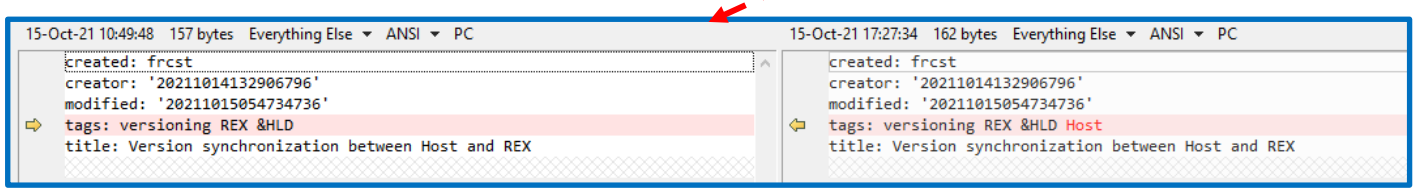


SGB-TW – Compare DB using git



Name	Size	Modified
Shared_data_betwen_MRC_and_ITP_is_asymmetric.content	150	15-Oct-21 10:49:48
Shared_data_betwen_MRC_and_ITP_is_asymmetric.meta	144	15-Oct-21 10:49:48
Software_Architecture_Approach.content	7	15-Oct-21 10:49:48
Software_Architecture_Approach.meta	131	15-Oct-21 10:49:48
Version_synchronization_between_Host_and_REX.content	1,657	15-Oct-21 10:49:48
Version_synchronization_between_Host_and_REX.meta	157	15-Oct-21 10:49:48
Version_synchronization_between_MRC_and_REX.content	3,904	15-Oct-21 10:49:48
Version_synchronization_between_MRC_and_REX.meta	160	15-Oct-21 10:49:48

Name	Size	Modified
Shared_data_betwen_MRC_and_ITP_is_asymmetric.content	150	15-Oct-21 10:49:48
Shared_data_betwen_MRC_and_ITP_is_asymmetric.meta	144	15-Oct-21 10:49:48
Software_Architecture_Approach.content	16	15-Oct-21 17:28:11
Software_Architecture_Approach.meta	131	15-Oct-21 10:49:48
Version_synchronization_between_Host_and_REX.content	1,661	15-Oct-21 17:27:43
Version_synchronization_between_Host_and_REX.meta	162	15-Oct-21 17:27:34
Version_synchronization_between_MRC_and_REX.content	3,904	15-Oct-21 10:49:48
Version_synchronization_between_MRC_and_REX.meta	160	15-Oct-21 10:49:48

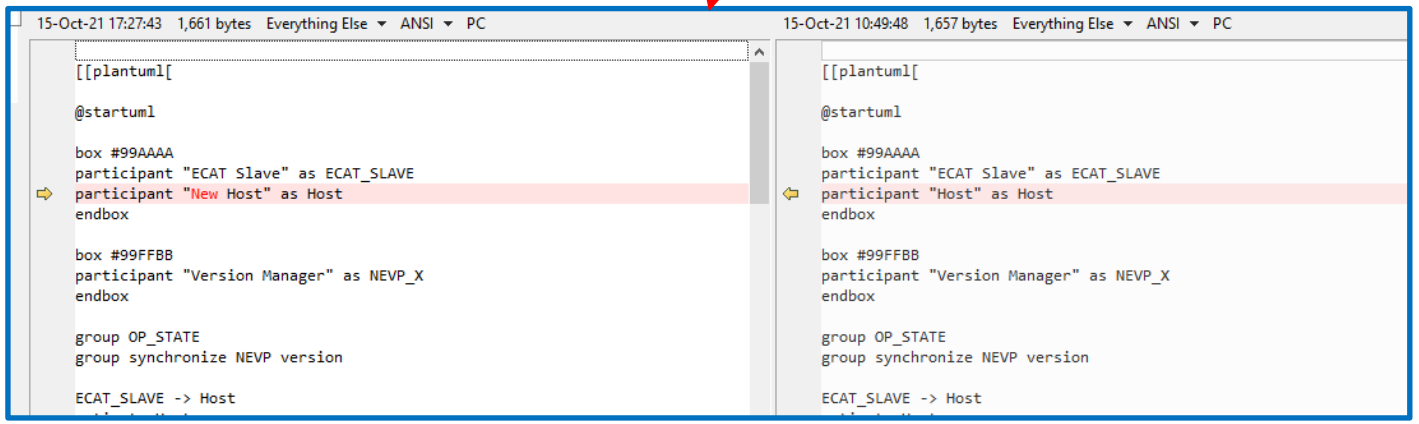


15-Oct-21 10:49:48 157 bytes Everything Else ANSI PC

```
created: frcst
creator: '20211014132906796'
modified: '20211015054734736'
tags: versioning REX &HLD
title: Version synchronization between Host and REX
```

15-Oct-21 17:27:34 162 bytes Everything Else ANSI PC

```
created: frcst
creator: '20211014132906796'
modified: '20211015054734736'
tags: versioning REX &HLD Host
title: Version synchronization between Host and REX
```



15-Oct-21 17:27:43 1,661 bytes Everything Else ANSI PC

```
[[plantuml[

@startuml

box #99AAAA
participant "ECAT Slave" as ECAT_SLAVE
participant "New Host" as Host
endbox

box #99FFBB
participant "Version Manager" as NEVP_X
endbox

group OP_STATE
group synchronize NEVP version

ECAT_SLAVE -> Host
```

15-Oct-21 10:49:48 1,657 bytes Everything Else ANSI PC

```
[[plantuml[

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