

RECONSTRUCT-DB

A SFTU ! B J for storing the scientific data generated within the RECONSTRUCT project.

Use cases and RESTful endpoints

In the following the basic use cases are explained and a usage example given using the CLI curl instruction.

LOGIN

```
! .Y! PTU! .I! #D .U ! b b 0 #! . . b b! ( # b # !
# / b A . / #-! # b # ! # / b # (!
( 00 2 : / bc / 41110 (!
```

After having logged in you will see a bearer token, which has to be provided in all subsequent requests. Consider the following example to obtain all data of data model "sample :

```
! .I! (B b ! C b ! b c (!
00 2 : / bc / 41110 b !
```

Note: All API endpoints require a successful log-in and subsequent usage of a bearer token. This means, that you always have to supply the above header in all API calls listed below.

CREATE

Single instance

To create a single instance of a given data model (a row in the relation database) use the following command.

```
! .I! (B b ! C b ! b c (!
.. b b! # b YZ ' b b b #!
( 00 2 : / bc / 41110 b (!
```

Bulk create

To create many model instances (rows in the relational database) use the endpoints upload Excel or upload CSV end-points.

CSV

```
! .I! (B b ! C b ! b c (!
.G! ( A/0 b / (!
( 00 2 : / bc / 41110 b 0 b (!
```

Excel (XLSX)

```
! .I! (B b ! C b ! b c (!
.G! ( A/0 b / (!
( 00 2 : / bc / 41110 b 0 b (!
```

READ

A single, a subset, or all instances of a given model can be read. Here, a single model is identified by its ID, while a subset can be obtained by pagination (b and b

!

) !
!
\$! M !
b / ! =. !) PTU)!
!! (00 2 : / bc / 41110 (-!
!! c ! !) (b (! !! (b / b bcA b / (-!
!!!!!!!!!!!!!!!! (b (! ! (b (!
!
!
\$! Pc b ! TPO! b b! b ! ! ! !
b / ! =. !)HFU)!
!! (00 2 : / bc / 41110 b (-!
!! b b) (b b (! ! b) (c b (-! b / !
!