

Future AFT Developments 2022

Anti Asko

REST API extensions for Big Sister

In order to facilitate the **Big Sister integration** in the **accelerator complex** we need to provide **further extensions** on the REST API and accsoft-aft-rest-client library.

- Add **search of faults** between start and end time for Specific accelerator
- Extend with the possibility to **update faults**
- Integrate **impacted destinations** in fault creation/editing through the API
- Extend **search** functionality with possibility to **find sub-systems**
- Provide API methods to select **elements for faults**

**Aim to be provided
by end of January**

Automatic fault creation in multiple machines

Our main focus will be to **automate** as much as possible the **fault creation/edition in multiple machines** when upstream in fault. To achieve this we expect:

- **Changes** in the **database model**
- **Business logic changes** in the backend implementation
- Significant **changes and extensions** on the **User Interface**

This extension will take **notable time to be implemented**, but we aim to create a **feedback loop** with our users allowing a tailored implementation to their needs

**Aim to be provided
by end of Q1**

Automatic fault creation in downstream machines

Our main focus is on
in multiple machines

- Change
- Business
- Significant

This extension
feedback loop

Accelerator
LINAC4

System
Other

Start time
16-12-2022 10:00:00

End time

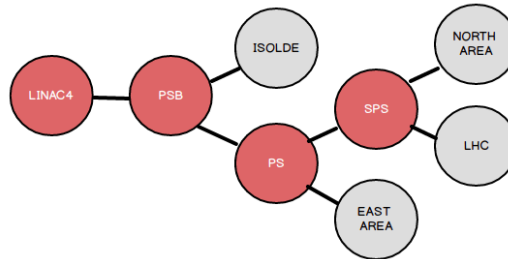
Blocking operations Access needed

Faulty elements

R2E Status
Not R2E related

Description

Machines at fault



Register fault

tion/edition

ct:

to create a
ir needs

Various bug fixes and improvements

On a **best effort principle**, we aim to provide as much **bug fixes** and **improvements** as possible.

- Possibility to **edit dashboards by e-groups**
- Extend **search filtering** with **impacted destinations**
- Introduce **validity period for destinations**
- Provide **fault cloning** functionality
- etc.

**Aim to provide most of them during Q1
and the rest throughout the year**

Summary

We understand the requests of the AFT users and we aim to satisfy those needs despite the limited resources.

All issues can be found under
<https://issues.cern.ch/browse/AFT-1304>