

# Common Standards for JavaFX GUI Development and its Application to the Renovation of the CERN Beam Instrumentation Software Portal and Delivery Mechanism

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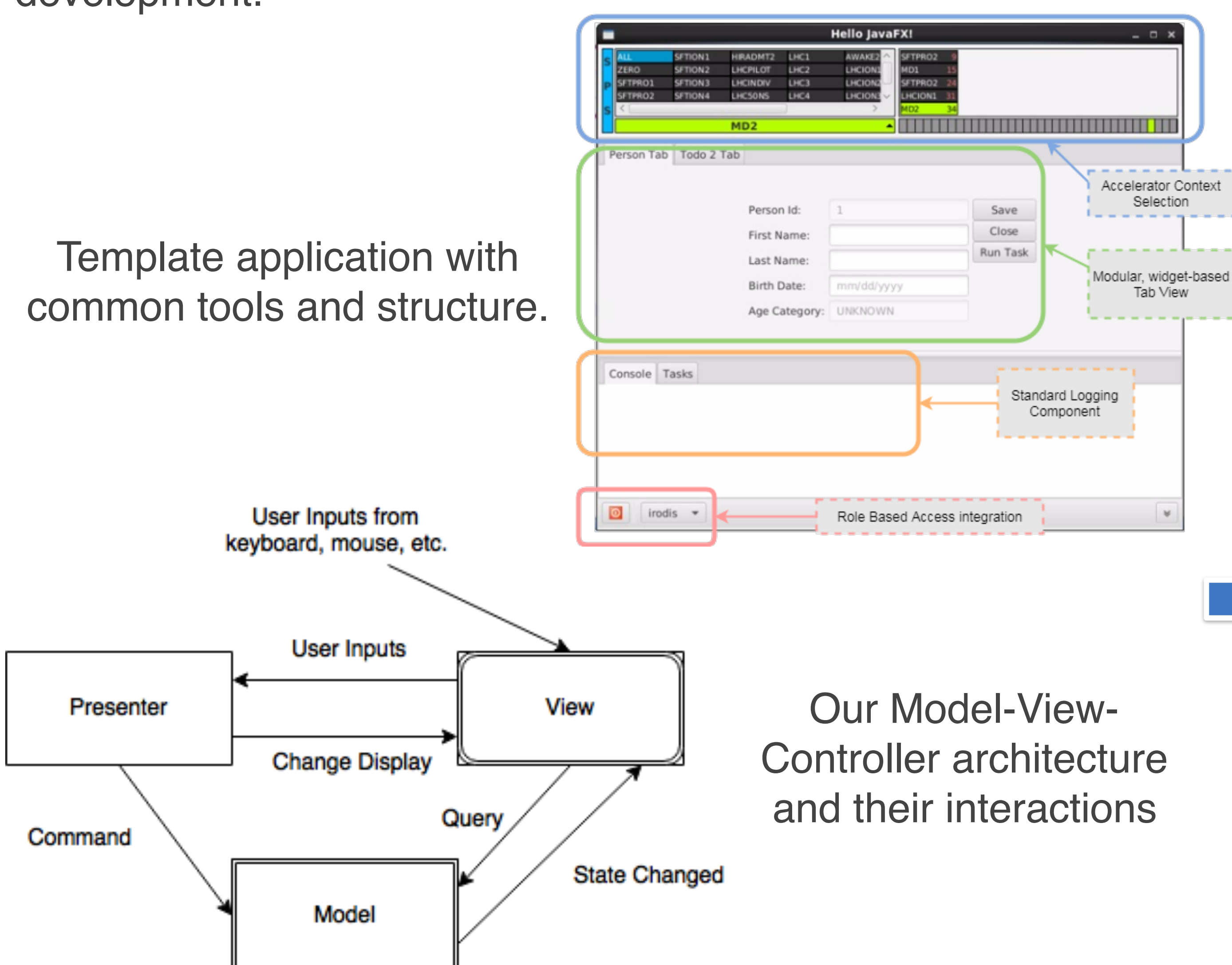
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Beams Department

## Abstract

This poster describes the standardisation of the Java GUI development in the CERN Beam Instrumentation group with the use of maven archetypes for templating applications. In addition, it presents the modernisation of the software delivery process and subsequent renovation of the software portal.

## Common Standards

With the use of Maven archetypes to create JavaFX template applications, the enforcement of common standards is facilitated while accelerating the GUI development.



## Conclusion

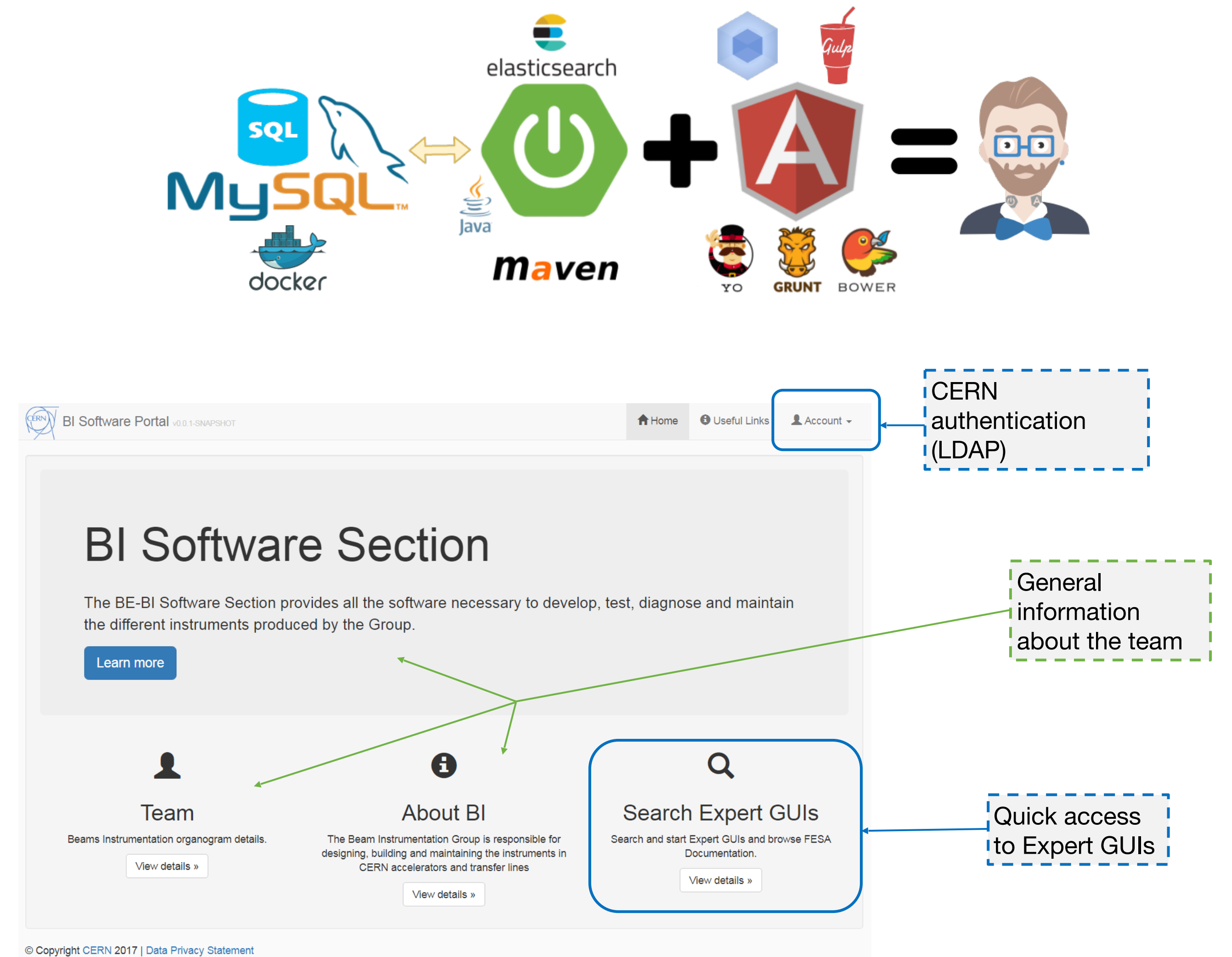
By adopting the development standards and templating mechanism, we benefit from:

- *Faster development*
- *Easier maintenance*
- *Modularity & reusability in Expert GUI applications & libraries*

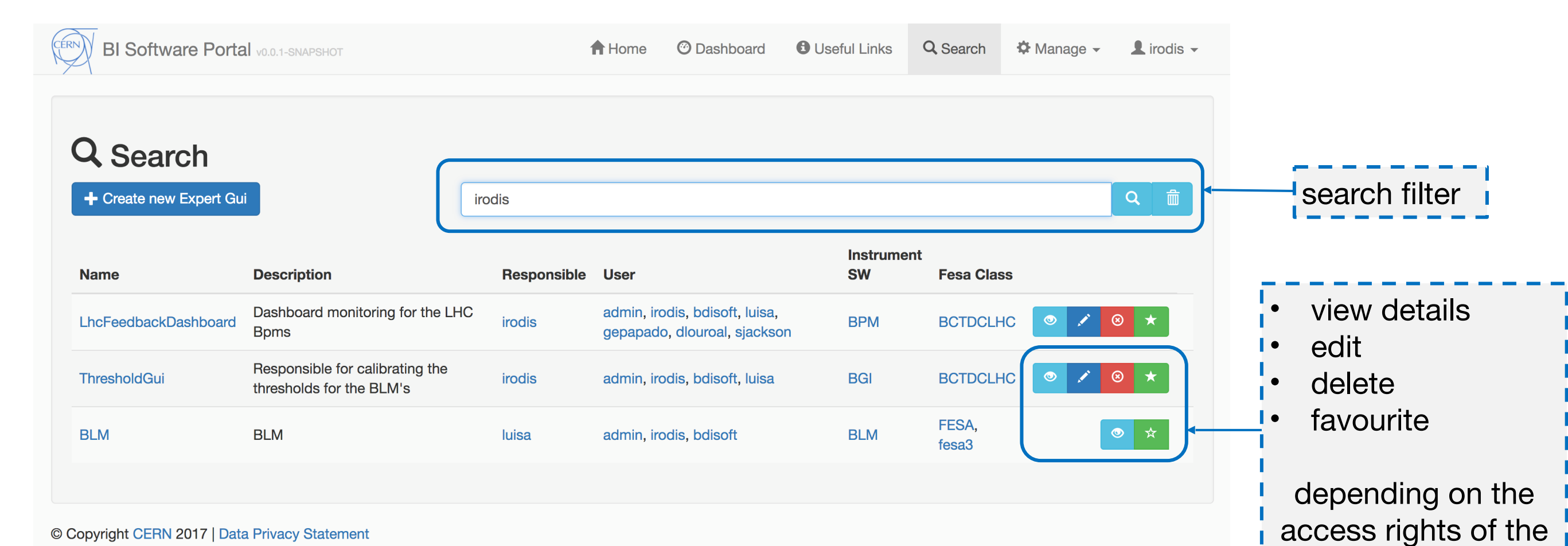
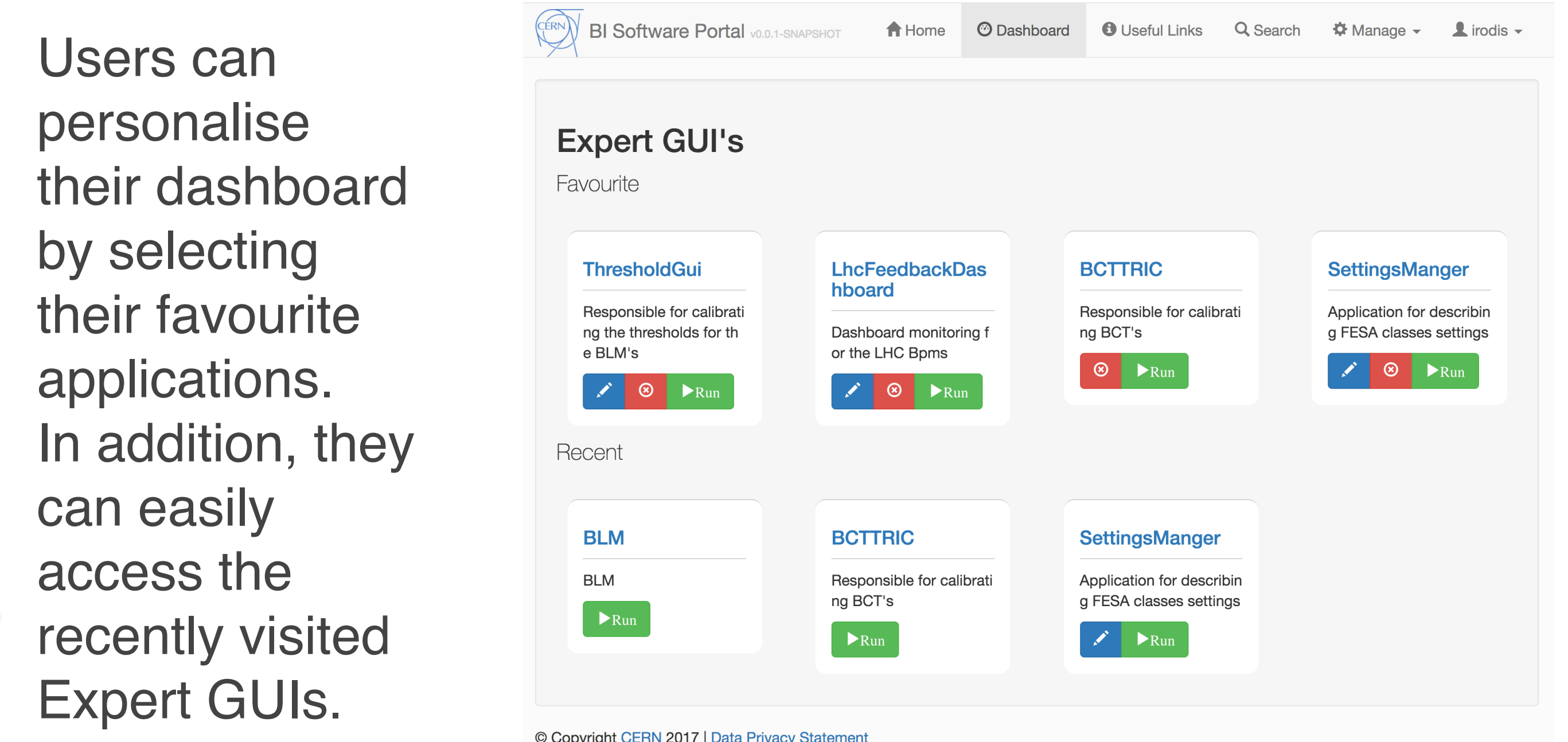
The renovation of BI Software Portal allows to:

- *Have a single point of reference*
- *Search, launch & document software*
- *Personalise a dashboard with GUI applications*
- *House widely used links & documents*

## Software Portal

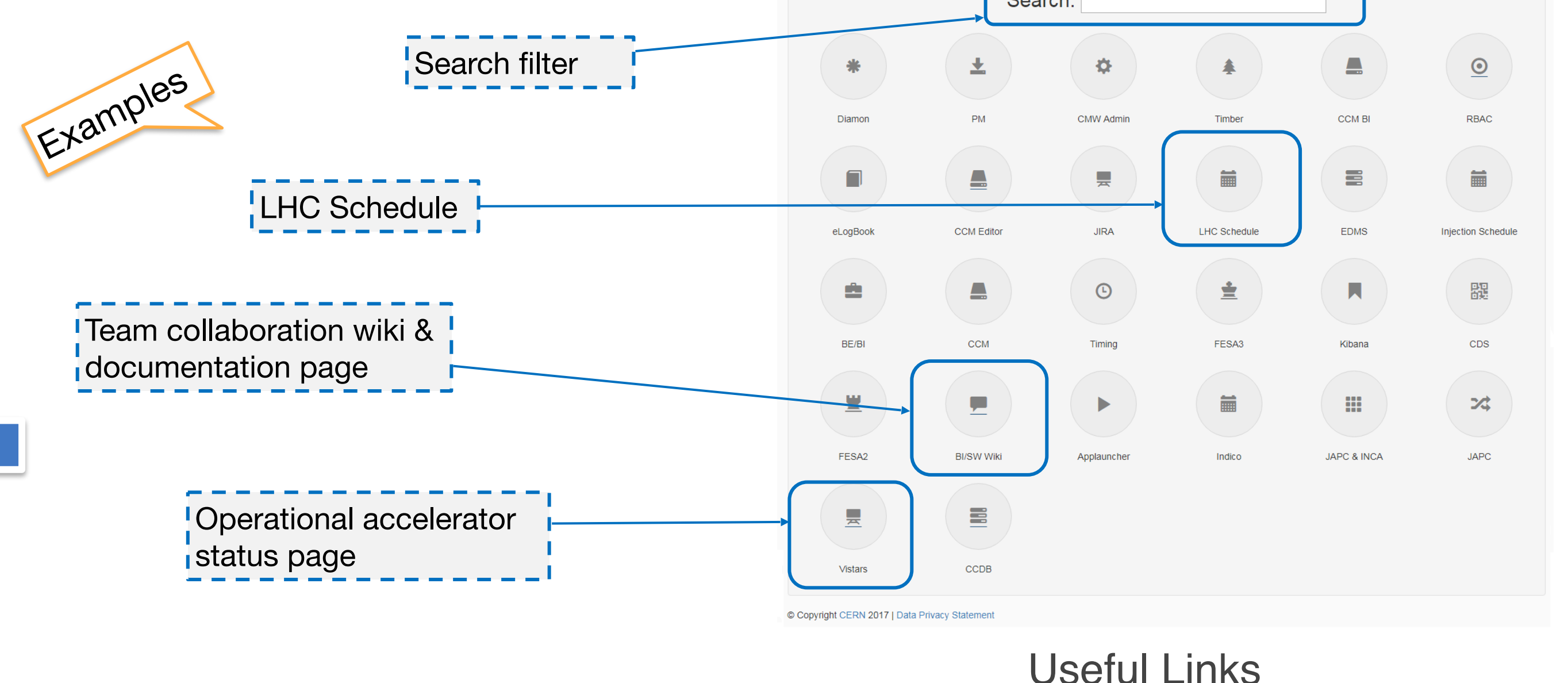


Landing page



Elastic search with application's details

Websites and tools widely used by the team



Useful Links