Approach

Contents

1 Introduction **1**

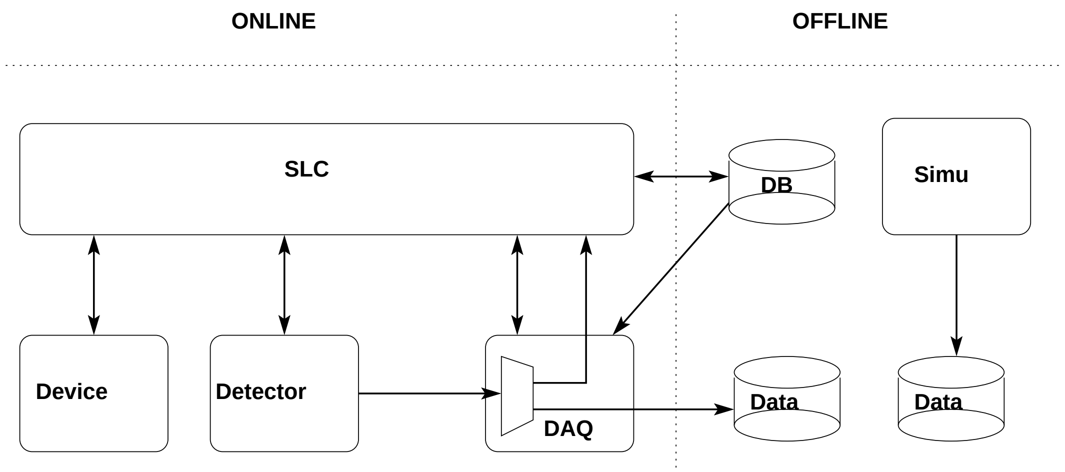
2 Generic DAQ **1**

3 Harpo prototype **2**

1 Introduction

This section remind the actual status and provide the methods we use to update them.

2 Generic DAQ



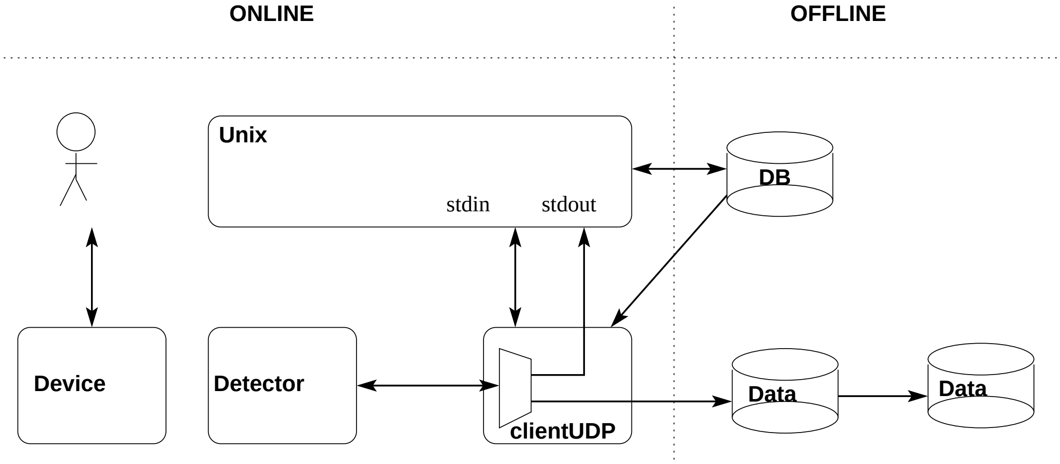
Online architecture is sometime done by a single framework (HESS, XDAQ) and sometime split into 3 compounds:

- Owner graphical interface
- Slow control: «SLC» (Tango, ENX) wich is mainly a state machine manager.
- Data aquisition: «DAQ» (Narval) wich is mainly a multiplexer also called event builder.

Detector usually own 2 kind of links:

- A synchronous link to the slow control
- An asynchronous fast link to data aquisition

3 Harpo prototype



As the Calice's experiment, we drive the detector using the DAQ.

- We only have a synchronous link to the detector.
- Most of the embedded server functionalities have been exported to the client (DAQ).