



Spiral2 control COMMAND: CNRS/IN2P3 A STANDARDIZED INTERFACE between high level applications and EPICS IOCs

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The Spiral2 project

Accelerator construction



Spiral2 control system

EPICS modules Specification template

Here after, the main chapters of our EPICS modules specification template are exposed with a few words about the aim of each chapter.

The use of UML diagrams is also part of our approach and is illustrated with examples of extracted from the profiler module specification, which is our practice reference.

1 Requirements & Constraints

Definition of the general context of use Identification of HW constraints & SW dependencies Expression of performance requirements



Deployment UML diagram used for context of use of the profiler

2 Functions Specification

Specification of the functionality needed by OPI





♦ 3 Architecture : Static Model

Functional packages definition relying on stable data



Package UML diagram defined for the profiler DB

4 Architecture : Dynamic Model

✓ Defines events triggering EPICS DB processing Defines the EPICS DB activities ✓Defines the sequence of activities execution

Guide user with functions calling sequences examples

profilGnlApp:PROFIL

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Sequence UML diagram showing how to use of the profiler

