Service Availability Monitoring

Piotr Nyczyk, CERN IT/GD

Krakow, May 17th, 2006

SAME Architecture

SAME, Krakow, May 17th 2006

2

GOC DB usage
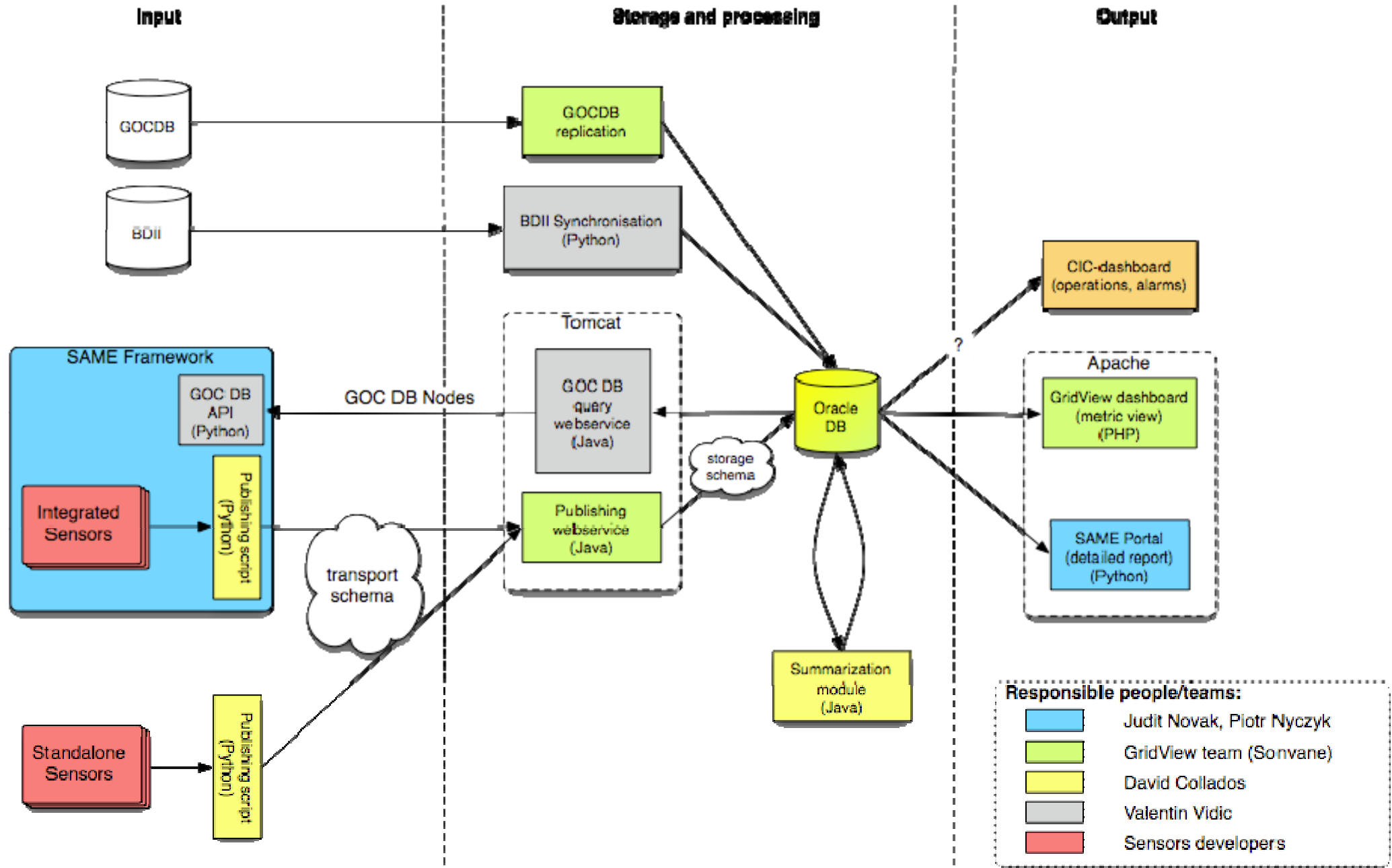
- In monitoring: need to compare "what is there?" with "what should be there?"

- GOC DB is used for "what should be there?" factor:
  - information about sites (name, GIIS URL, status, type)
  - service instances (site and cental services)

- GOC DB is not used directly - read only replica in GridView Oracle DB

- BDII is used to complement GOCDB information

Current solution
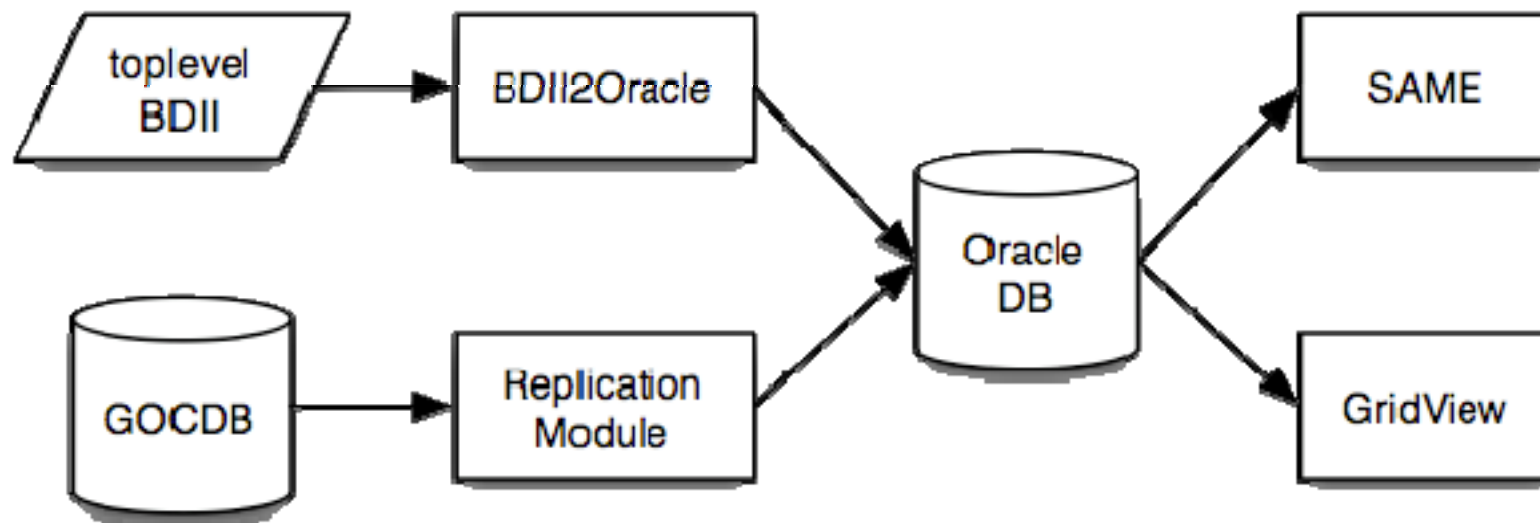
- Additional tables in GridView replica of GOCDB filled in intelligently by replication script:
  - Site-Organization relation
  - Site-Tier relation
- Redesigned schema in SAME DB replacing part of GOCDB dealing with service instances and nodes
- Abstraction layer implemented over the rest of GOC DB using views and additional GridView tables
- Missing information gathered and merged into DB from BDII (supported VOs, discovery of nodes)

Simplified SAME DB Schema

SAME, Krakow, May 17th 2006

5

Sensors ready
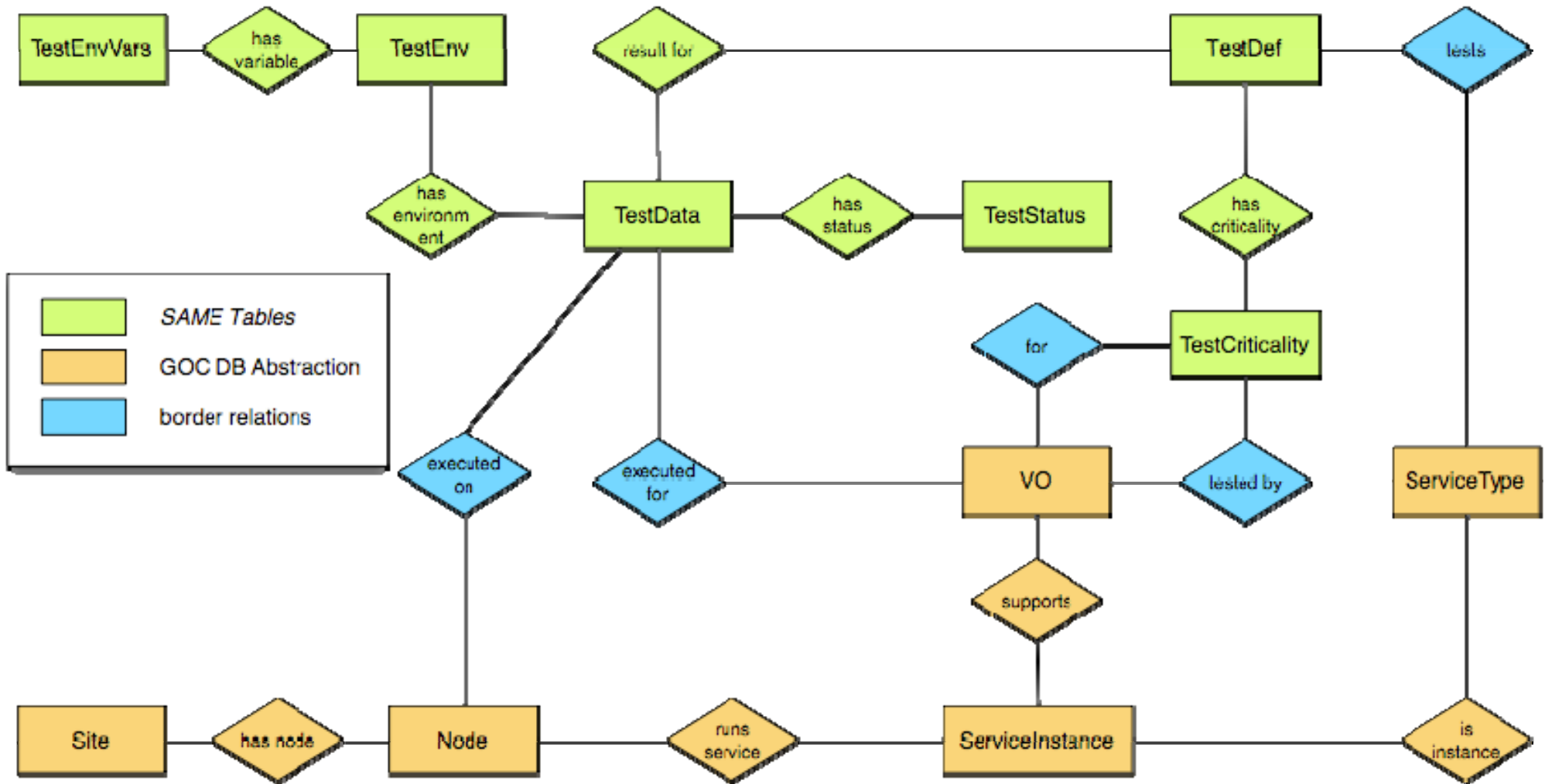
- CE - currently SFT, in future SAME framework

- RB - Dave Kant's standalone sensor

- site-BDII - GStat

- toplevel-BDII - GStat

- FTS - simple sensor in SAME Framework
  - full n-to-n channels test needed and to be done