

SAM Certification



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- Certification infrastructure
- Certification procedure



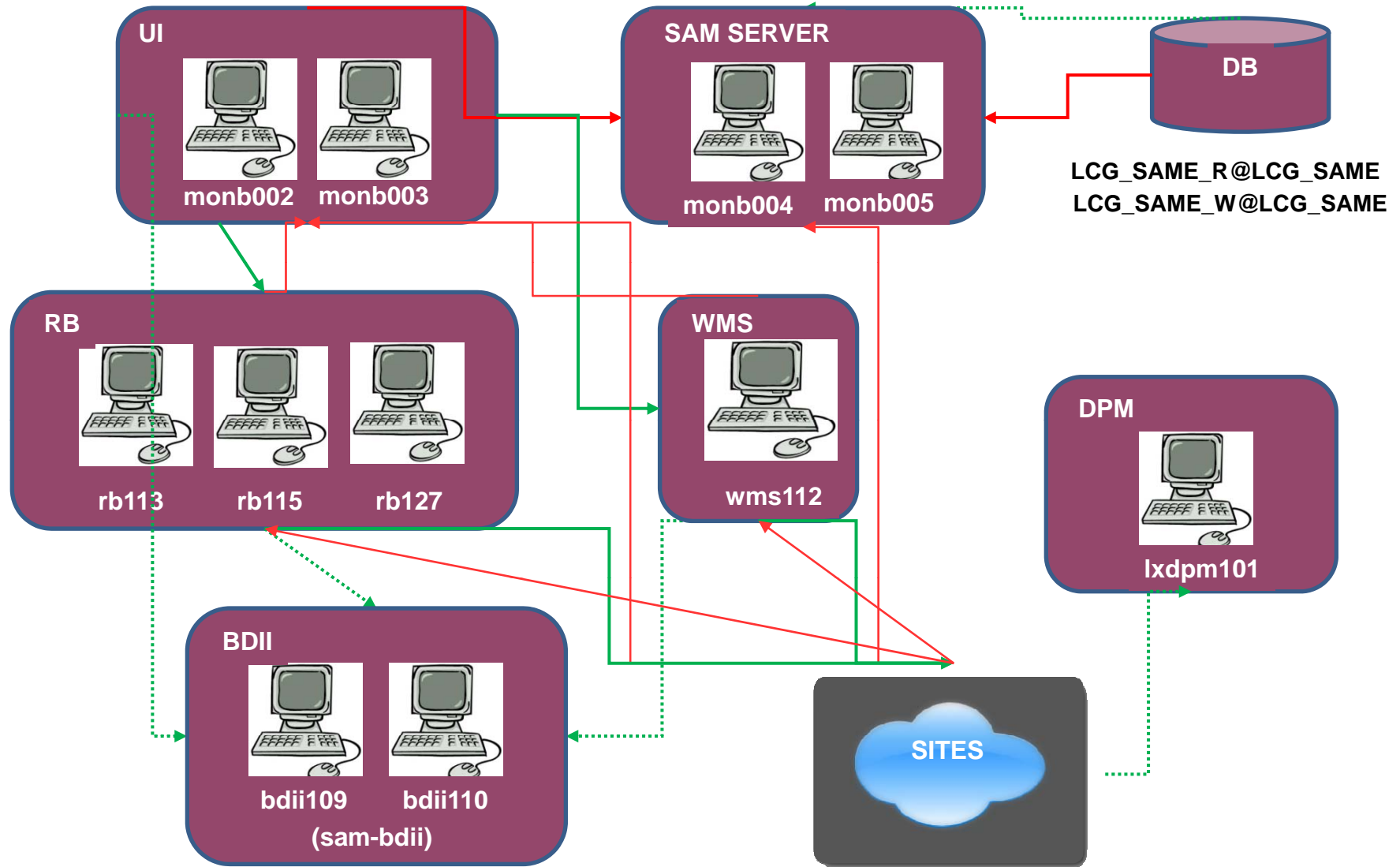
SAM development tasks

- Bugfixes
 - Submission framework, sensors, etc.
- Test integration
 - External contribution (TIC Team, etc.)
- New software, re-engineering existing components
 - New tests, etc.

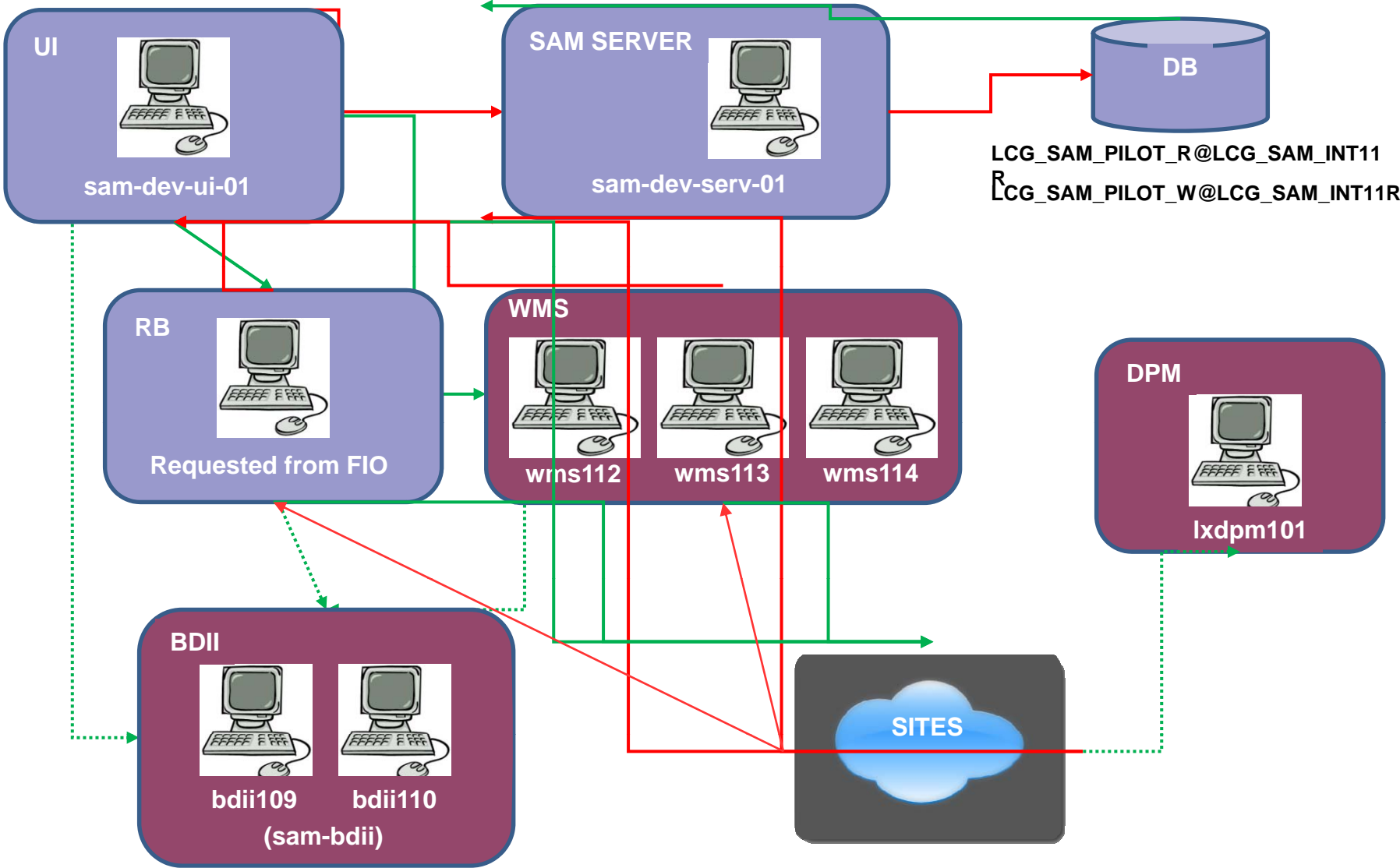


- Currently in a transition phase
 - Until now: testing + validation instance was the same
- New layout
 - Testing infrastructure
 - Software development
 - Submission framework, test development/integration, etc.
 - Validation infrastructure
 - Software validation
 - Exact replica of the Production Instance, but fewer machines
 - Production infrastructure

SAM Production Service

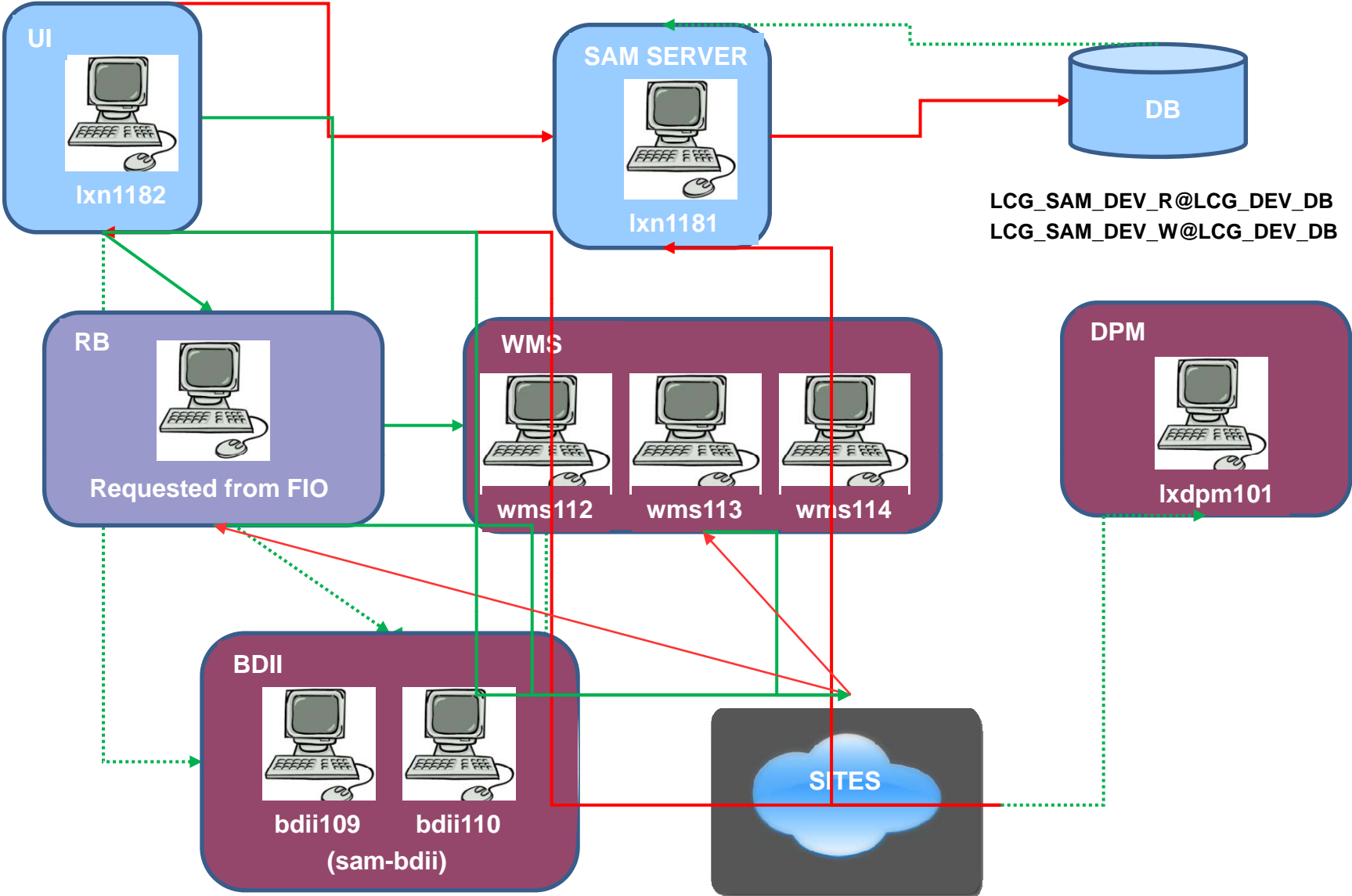


SAM Validation Instance



- Submission**
- Interaction during submission phase
- Publishing**
- Production**
- Validation**
- Testing**

Testing infrastructure



LCG_SAM_DEV_R@LCG_DEV_DB
LCG_SAM_DEV_W@LCG_DEV_DB

Submission
 Interaction during submission phase
Publishing

Production
Validation
Testing



Certification Procedure

- Software release
 - On-need basis
 - Sufficient amount of bugfixes, etc.
 - Following the standard validation procedure
 - Urgent releases
 - CA upgrade
 - Not necessarily following the standard procedure



Validation Procedure I.

1. New release candidate RPM

1. Installation on validation system
2. Announcement mail to `same-announce@cern.ch`
3. Announcement on Joint Grid Operations meeting

2. One week of testing

- Tests run centrally from the SAM validation system
- Validation SAM portal is public
 - ROCs/sites can check
 - Particularly important when introducing new tests



Validation Procedure II.

3. Release candidate proved fine

- . No problems observed, no ROC/site problem report

1. Installation on SAM Production Instance

2. Announcement mail to same-announce@cern.ch

- . Request to all who use this RPM to upgrade ASAP

3. Announcement on Joint Grid Operations meeting



Thanx for your attention