



Workshop on the regional package

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- **Current Situation**
- **Description of the architecture**
- **Pre-requisites**
- **SL5 helpful hints**
- **The installation step by step**
 - Deploy and configure Lavoisier web service
 - Deploy and configure web application

- ✓ A central package for Nagios and SAM is available
- ✓ A regional package is ready but will be usable in production :
 - ✓ When Nagios will be officially in production
 - ✓ When the package will be compliant GOC DB 4
- ✓ The package we propose today will work :
 - With Nagios
 - With a test instance of GGUS

Description of the architecture (1/3)

The components



❑ **3 components are needed for a complete tool:**

- the web interface
- the web Service Lavoisier
- the database.

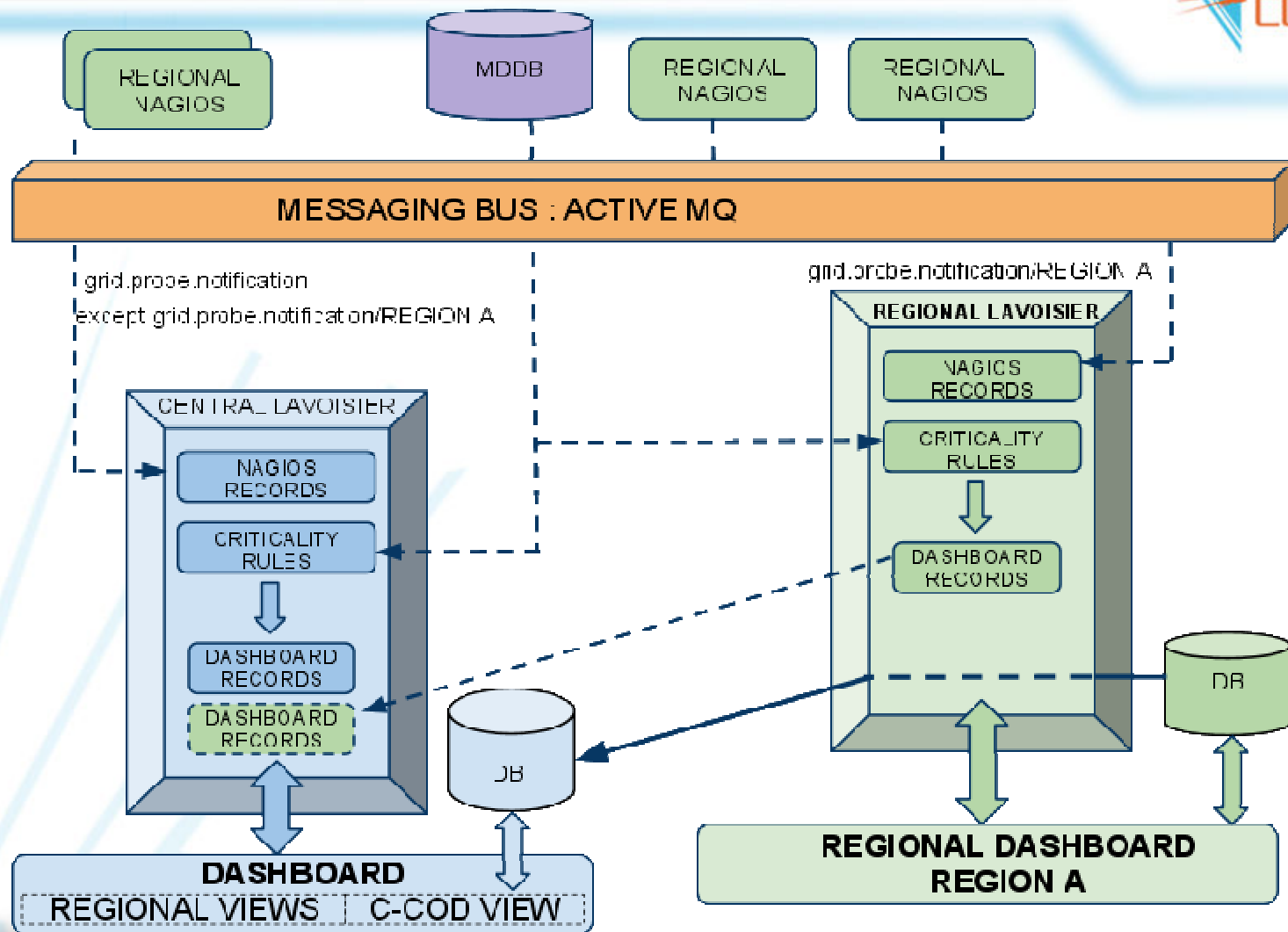
The Lavoisier instance, the web application and the database could be run on the same machine or separately.

❑ **The set-up of the package is composed of 3 phases :**

- deployment of the Web Service
- set-up of the Database
- configuration of the php files

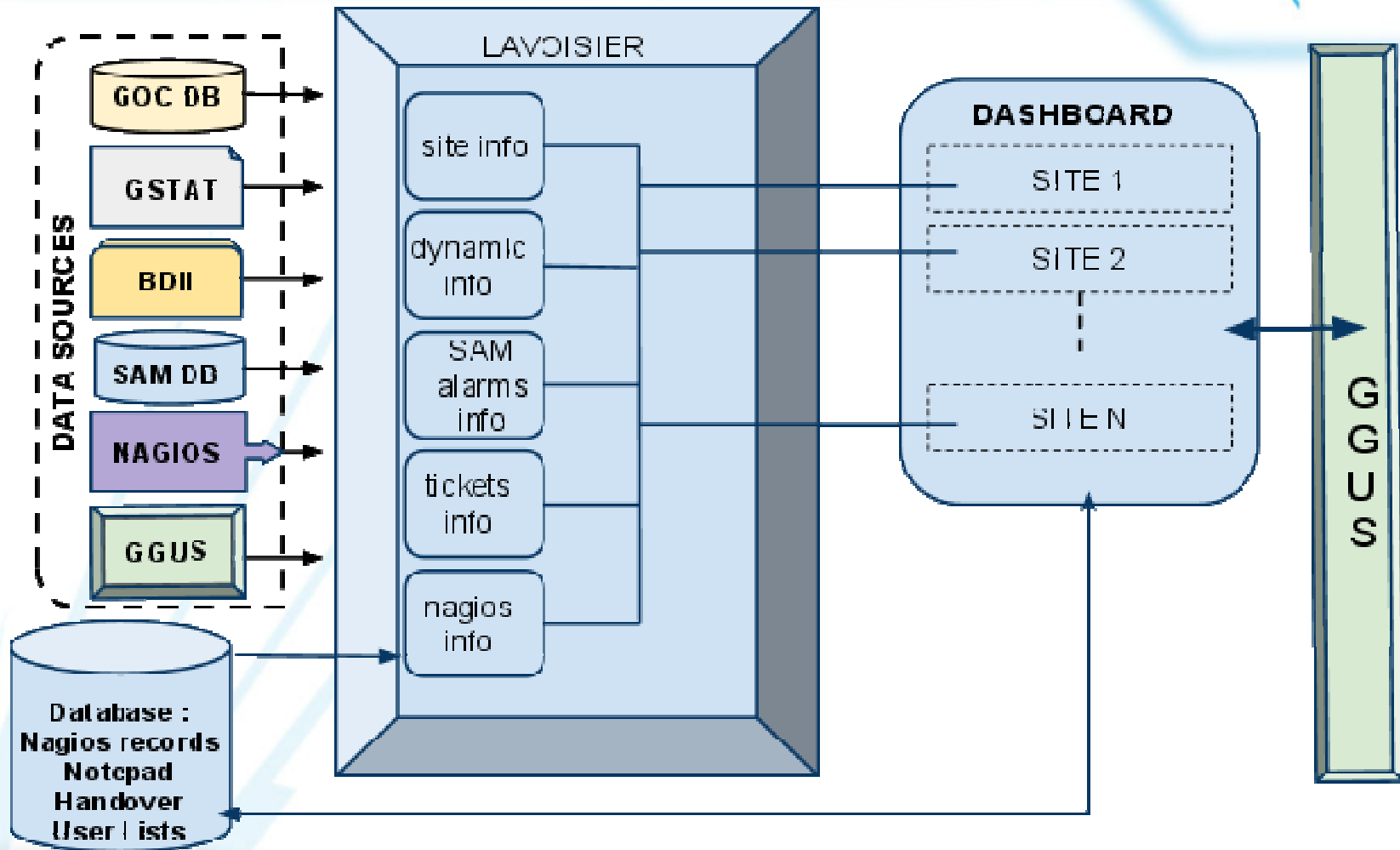
Description of the architecture (2/3)

Interaction with Nagios



Description of the architecture (3/3)

The global work flow





Pre-requisites



- ❑ **A JAVA toolkit** (JDK 5.0 at least to run Lavoisier)
- ❑ **The Lavoisier Data Source Composition Service**
- ❑ **A web server** (for example Apache2)
- ❑ **SSL system** (for exemple openssl module on Apache 2)
- ❑ **A database**
 - MySQL database server, version 5.0 or higher
or PostgreSQL database
or Oracle database, version 7/8/9/10
- ❑ **PHP5, version 5.2.9 or higher with following extensions**
 - php-pdo and php-mysql for mysql database (*)
 - php-soap to connect web services
 - php-xml extension for oracle features

(*) Not tested under Oracle or PostGress platform, if you encounter problems installing packages with those databases please contact-us.



Some help for an installation on a Scientific Linux 5

- ❑ You will find all the RPMs needed to set up your system in the package. You can download them on SA1 repository too (http://www.sysadmin.hep.ac.uk/rpms/egee-SA1/centos5/x86_64/)
- ❑ Don't forget to rename **php.conf.rpm** to **php.conf**
- ❑ Modify etc/httpd/httpd.conf to load php module
=> *LoadModule php5_module modules/libphp5.so*

The installation step by step



This presentation will propose you an installation of the dashboard in a regional context on Scientific Linux 5.

The official version will be released as soon as Nagios Monitoring system will be ready nevertheless we will propose today a test package.

You can follow this installation with the second document :

“INSTALLATION of A DASHBOARD REGIONAL INSTANCE”

For questions , feedback , queries , demands, you may :

- use the feedback form on the portal “Contact us “ link at the end of the page
- send a email to cic-information@in2p3.fr
- open a ticket in GGUS