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# EMI Beta & Acceptance Testing

In order to improve the quality of its products and services and to increase the users confidence, EMI is providing access to interested parties to earlier stages/phases of the software development:

- beta phase - through participation in **EMI Beta Testing** activity
- release candidate phase- through participation in **EMI Acceptance Testing** activity

## EMI Beta Testing

Access to *\*beta versions\** of EMI products is provided to *beta testers* through access to *EMI testing repository*:

- beta version
  - ◆ bug fixes and/or new features/improvements are already implemented
  - ◆ basic testing was done by the PT, enough to be confident it can be recommended to *beta testers*
  - ◆ performance and/or stability tests have still to be done
- beta testers
  - ◆ experienced sites interested in having an early access, a technical preview of future releases
- EMI testing repository:
  - ◆ structure:
    - ◇ `dist/EMI/testing/{1|2|3}/<platform>/<basearch>`
    - ◇ for EMI 1 - [http://emisoft.web.cern.ch/emisoft/dist/EMI/testing/1/sl5/x86\\_64/](http://emisoft.web.cern.ch/emisoft/dist/EMI/testing/1/sl5/x86_64/)
    - ◇ for EMI 2
      - SL5 - [http://emisoft.web.cern.ch/emisoft/dist/EMI/testing/2/sl5/x86\\_64/](http://emisoft.web.cern.ch/emisoft/dist/EMI/testing/2/sl5/x86_64/)
      - SL6 - [http://emisoft.web.cern.ch/emisoft/dist/EMI/testing/2/sl6/x86\\_64/](http://emisoft.web.cern.ch/emisoft/dist/EMI/testing/2/sl6/x86_64/)
    - ◇ for EMI 3
      - SL5 - [http://emisoft.web.cern.ch/emisoft/dist/EMI/testing/3/sl5/x86\\_64/](http://emisoft.web.cern.ch/emisoft/dist/EMI/testing/3/sl5/x86_64/)
      - SL6 - [http://emisoft.web.cern.ch/emisoft/dist/EMI/testing/3/sl6/x86\\_64/](http://emisoft.web.cern.ch/emisoft/dist/EMI/testing/3/sl6/x86_64/)
  - ◆ content:
    - ◇ **unsigned** packages that will become part of the next stable distribution; in the certification stage, available for technical preview. Please **DISABLE** the gpgcheck (gpgcheck=0 in `/etc/yum.conf`) when using this repository.
  - ◆ yum repository files to be used.
    - ◇ `emi-1-testing.repo`
    - ◇ `emi-2-testing-sl5.repo`
    - ◇ `emi-2-testing-sl6.repo`
    - ◇ `emi-3-testing-sl5.repo`
    - ◇ `emi-3-testing-sl6.repo`
  - ◆ see Repository Configuration for more details
- notification
  - ◆ beta testers are notified of the availability of packages in the testing repository through a GGUS tkt opened by the EMI RM - see GGUS template for more info
  - ◆ beta testing duration is approximately 5 days, but it can be extended depending on the tested services.
  - ◆ eventual problems should be recorded in the ticket
  - ◆ developers are involved to provide workaround or eventual bug fixes
  - ◆ at the end of this period beta testers fill a small report, see report template for details, and recommend or not the versions tested by attaching the report to the GGUS ticket.

## EMI Acceptance Testing

Access to *\*release candidate versions\** of EMI products is provided to *acceptance testers* through access to *EMI deployment repository*:

- release candidate version
  - ◆ version with potential to be a final product, ready to be release unless critical bugs emerge
  - ◆ Certified by the PT and possibly by beta testers
  - ◆ available during an EMI Update Cycle; under EMI QC verification and testbed deployment
- acceptance testers
  - ◆ sites interested in having an early access to the stable versions of future updates
- EMI deployment repository:
  - ◆ structure:
    - ◇ `dist/EMI/deployment/{1|2|3}/<platform>/<basearch>`
  - ◆ content:
    - ◇ signed, tested, certified packages
  - ◆ yum repository files to be used:
    - ◇ `emi-1-updates.repo`
    - ◇ `emi-2-sl5-updates.repo` [↗](#)
    - ◇ `emi-2-sl6-updates.repo` [↗](#)
    - ◇ `emi-3-sl5-updates.repo` [↗](#)
    - ◇ `emi-3-sl6-updates.repo` [↗](#)
  - ◆ see Repository Configuration for more details
- notification
  - ◆ acceptance testers are notified of the availability of packages in the deployment repository through a GGUS tkt opened by the EMI RM - see GGUS template for more info
  - ◆ default acceptance testing duration is 5 days, but it can be extended to the Update Cycle duration, depending on the tested services
  - ◆ eventual problems should be reported in the GGUS ticket
  - ◆ developers are involved to provide eventual workarounds
  - ◆ at the end of this period acceptance testers file a small report, see report \template for details, and recommend or not the versions tested by attaching the report to the GGUS ticket.

## Repositories Configuration

- base OS (S15/x85\_64), EPEL and EGI Trustanchors repositories should already be enabled
- middleware repositories (EMI/UMD) should be enabled
- for Beta Testing - the EMI testing/ repository, mentioned above, should be enabled
  - ◆ IMPORTANT NOTE - testing/ repository contains not-signed packages. To avoid errors "gpgcheck=0" should be added to the `/etc/yum.conf` file
- for Acceptance Testing - the EMI deployment/ repository, mentioned above, should be enabled
- IMPORTANT NOTE - once the testing phase ended it is recommended to disable the testing/ or depoyment/ repositories

## GGUS Template

Subject: EMI XXXX beta/acceptance testing  
 Notification Mode: on every change  
 CC to:

# Final Report template

\*\*\*\*\*  
EMI Beta/Acceptance Testing Report Template  
\*\*\*\*\*

Product:  
Release Task:  
Date  
=====  
Site Name:XXX-XXXXX  
Site Admin:

=====  
Comment on the release notes:

=====  
Comment on the installation/upgrading of the service  
(Missing dependencies, services which should be restarted, etc.)

=====  
Comment on the (re)-configuration (with YAIM)  
(Issues/errors found when configuring)

=====  
Comment about the functionality of the service (info in service reference card)  
(Have the daemons started/restarted OK, does it pass the Nagios tests, if a test is not implemented)

=====  
Any other comment

-- DoinaCristinaAiftimiei - 18-Nov-2011



This topic: EMI > EMIBetaAcceptanceTesting  
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