Implementing resource monitoring for users in a EGI FedCloud Resource Centre

Users, research groups and cloud developers are increasingly asking to monitor their hosts and services, to be notified about performance and functionality problems and to get graphs about the usage of the resources.

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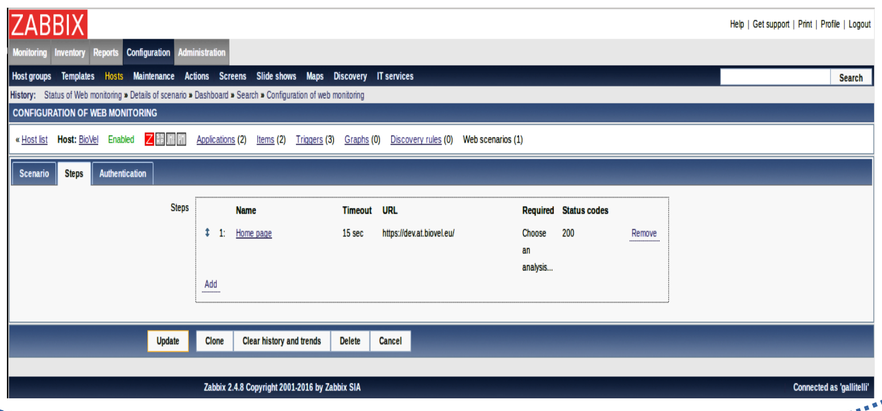
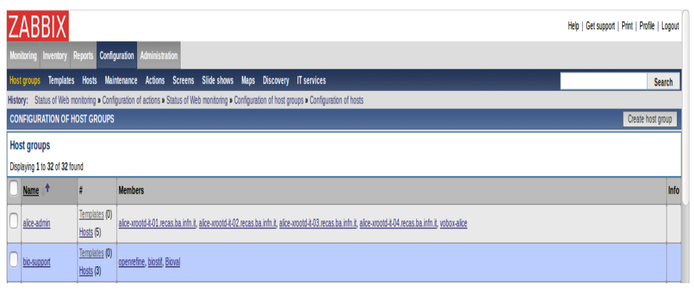
USER CAN ASK FOR MONITORING AND METERING FOR THEIR SERVICES

Users contact the monitoring task force, providing them with all the data they need to configure the monitoring:
- host/service responsible
- instructions on how to configure the sensor
- information on priority/impact
- hosts/services involved
- using tickets (OpenProject) to keep track of the requests

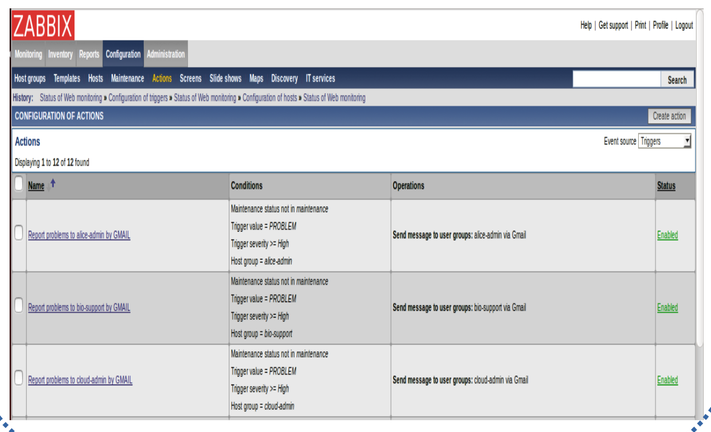
Web scenario steps



Web server host group



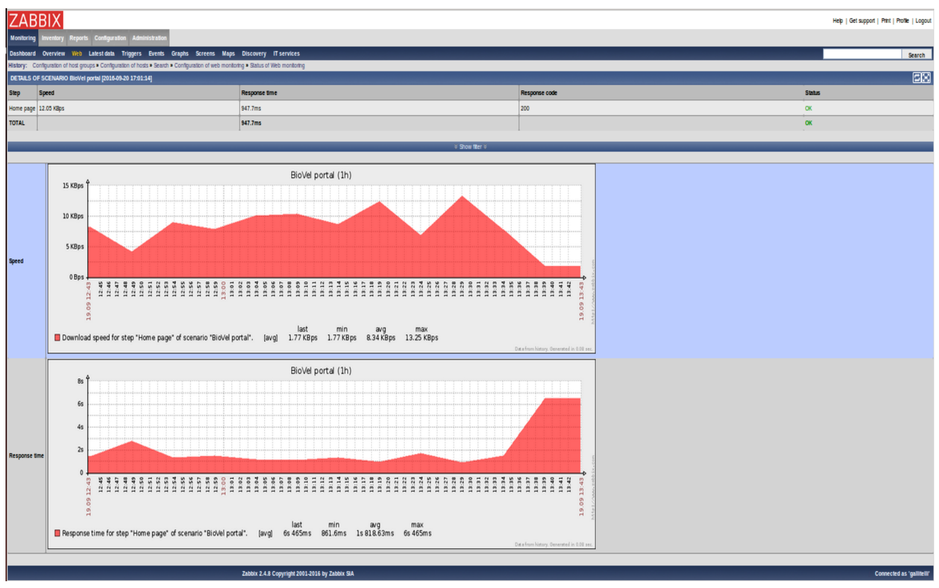
Web server action for notifications



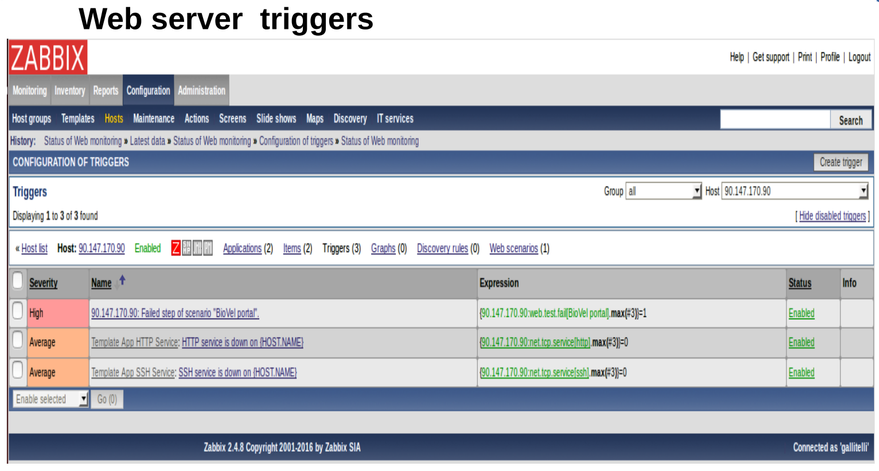
MONITORING OF A WEB SERVER

- Configure a **Web Scenario**, consisting in one o several HTTP requests or steps ,to check several aspects of a web site
- The following information is collected for any web scenario:
  - avarage download speed per second for all steps of the scenario
  - number of failed steps
  - last error message
- Configure **Steps for the scenario** consists in collecting information about:
  - avarage download speed per second
  - response code
  - response time
- Configure Authentcation : none,basic,NTML
- Data collected is automatically used for
  - **graph** (alternatively also Grafana tool could be used as rendering of metrics)
  - **triggers**,
  - **notifications**.

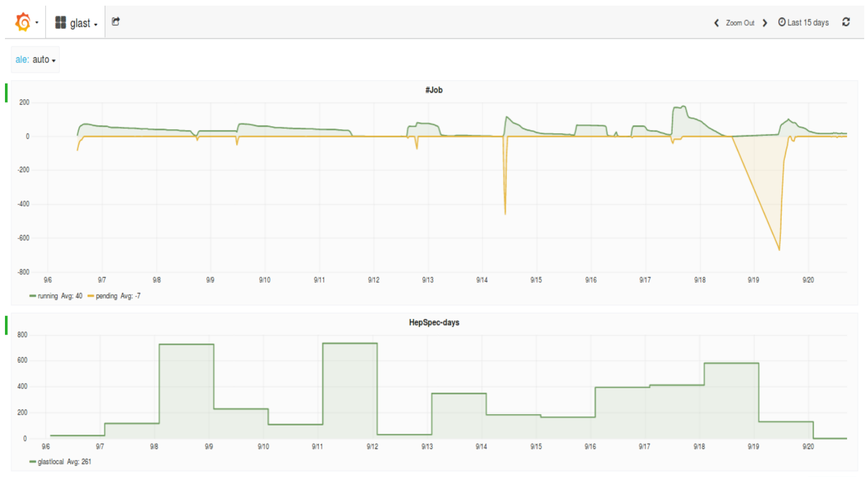
Web scenario



Web server triggers



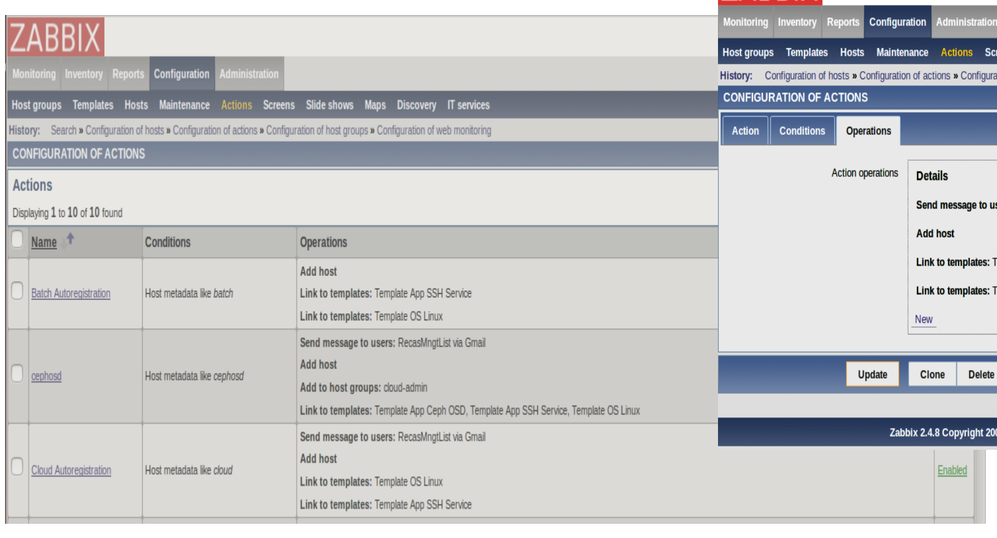
Graphs



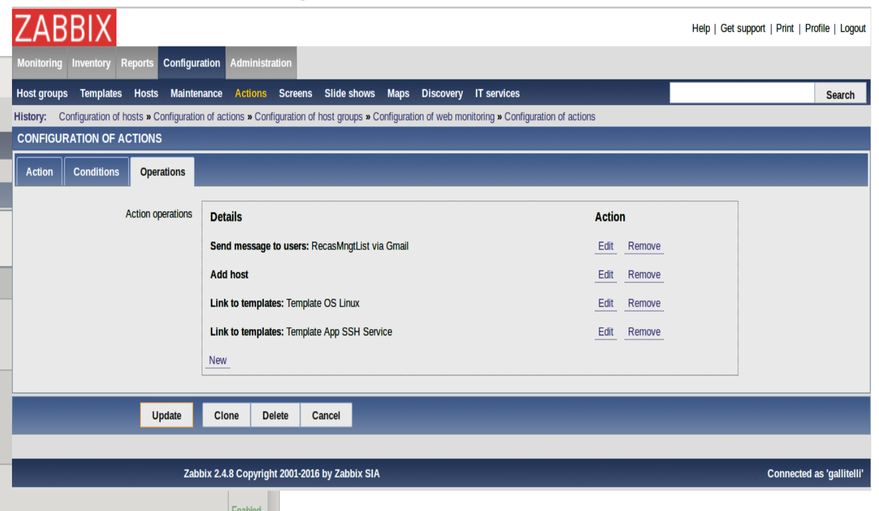
AUTO-REGISTRATION DISCOVERY

Monitoring for new user resources can be automatically configured by client

Auto-registration action



Auto-registration action details



Digital Infrastructures for Research 2016

www.digitalinfrastructures.eu - Krakow,Poland - 28-30 September 2016