



Enabling Grids for E-scienceE

CLC portal Requirements from users

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- **Requirements collection cycle**
- **CIC portal evolution: general line**
- **COD operations related requirements**
- **VO related requirements**
- **Quick overview of some other requirements**
- **Roadmap and discussion**

- **How are requirements collected?**
 - Feedback/"contact us" form on the CIC portal
 - Mails to cic-information@in2p3.fr
 - Discussions during meetings
 - Weekly Operations meeting
 - COD meetings
 - ROC Managers meetings
 - ESC (Executive Support Committee)
 - Bugs reported through GGUS tickets (*sometimes misused: some development issues end up in tickets that can't be closed within months*)

- **How are these requirements discussed and validated?**
 - CIC team internal discussion process for requests that don't need any political agreement
 - Discussion at particular meetings (Weekly Operations meeting, COD, ROC meetings, ESC)
 - Most of the time, mail discussion with concerned bodies

- **What happens then ?**
 - Integrated to CIC portal development list
 - Public list available through the CIC portal
 - Last changes assessed in release notes for each release

- **Scalability**

- CIC portal usage multiplied by 25 during its 3 years of existence
- Ever-increasing number of functionalities

- **User-friendliness**

- Current layer gets heavier (long drop-down menus, big pages...)
- Not always easy to find what you are looking for, and difficult to quickly spot new functionalities...
 - ... because the particular functionality you're interested in is hidden among many others you don't really need

Adapting the portal structure is a constant requirement

Making it easier to use is essential

- **Technical “darwinism”:** CIC portal survives only if follows the evolutions of:
 - Procedures
 - E.g. constant evolution of COD work or of VO registration procedures
 - Collaborating tools
 - Strong interactions with other core tools (SAM, GGUS, GOCDB)
 - Infrastructure
 - Portal needs to adapt to cope with “EGEE to EGI” migration
 - *What should remain central? What should be distributed?*
 - *Package tools to be used by upcoming NGIs*

- **Requirements for future evolution: some keywords**
 - I want the tool to be up when I need it → **Availability**
 - I want to see information the way I like → **customization**
 - I only want information relevant to me → **targeted profiles**
 - Better no info than bad info → **reliability**
 - I don't care how complicated this is to get, I want a quick and easy access to it → **transparency and user-friendliness**
 - I should be able to adapt existing functionalities to my own needs → **Reusability and packaging**

- **COD dashboard general evolution from the beginning:**
 - Global user-friendliness improvement
 - Manual work amount reduction
 - Structural evolution:
 - SFT → SAM
 - GOC DB 2 / Mysql → GOC DB3 / Oracle
 - Evolutions following new procedures
 - Ticket work flow
 - SAM alarms

- **Next COD dashboard evolutions:**
 - Interface and ergonomics
 - Based on profiles and personal preferences
 - Better visualization of tickets and alarms
 - Quick identification of unregistered nodes and sites in SD
 - Ticket affectation simplified
 - New features
 - Integration of a communication channel (IRC)
 - Integration of GridMap visualization tool
 - Technical evolution
 - General SAM-CIC-GGUS work flow
 - Migration from SAM to Gridview

- **Integration of a first line support for Central Europe**
 - Purpose and idea
 - CE 1st line support will deal with small problems before CODs have to act and create tickets
 - A specific dashboard will be added to the ROC section
 - This Dashboard will contain:
 - *alarms raised for CE nodes younger than 24h*
 - *assigned alarms/tickets*
 - Example of procedure and infrastructure evolution
 - Good use case for the future
 - Central service collaborating with regional service

- **VO id cards general issues**
 - As a VO manager, I won't update my ID card:
 - if there is too many info to change, or I have to change it too often
 - if there is another place where I have to put the same information
 - if I don't understand which info should go where
 - if I think entered information is not used by anybody

 - VO ID cards constantly have to be improved in order to:
 - **Reduce the amount of static info** needing regular updates
 - **Increase clarity level:** clearly indicate what is expected and why
 - **Spread information** so that it is widely used
 - **keep the entry point unique** by working with other teams/tools

- **Need of reliable VOMS information**
 - Getting the information has to be as automatic as possible
 - VOMS Certificate data
 - Configuration URLs
 - A currently open issue: when VOMS service certificate is different from https certificate on the same server, we get the bad one
 - Information format must follow VOMS evolution
 - New info needed, old info depreciated

- **Need of good channels to propagate information**
 - Yaim “VO configurator”
 - All data from VO ID cards now fully available in the Yaim VO tool
 - Long awaited requirement, in production since August 2007
 - Still ongoing improvements

 - Downloadable XML dump
 - Parsable, standard format usable by any configuration tool
 - Use with Quattor under study at LAL (GRIF)
 - Use in gEclipse under study at FZK

 - **Open Issue: Find an equilibrium between what is human readable and what is automatically usable**

- **“External” requirements: ESC, OAG**
 - VO integration procedure
 - VO cards have to follow the evolution of the official procedure
 - Communication channels
 - General tools always need improvements (EGEE BROADCAST, downtimes notifications, etc.)
 - Links to VO support
 - VO resources assessment
 - What has been requested by the VO?
 - What sites/regions pledged to provide?
 - What do they actually provide?

- **Failover: a recurrent and constant work**
 - Oracle failover
 - Add recently integrated tools to the failover scheme
- **Tools for sites and ROCs**
 - Evolution of notification tools (Broadcast, downtimes)
 - Evolution of site daily (and ROC weekly) reports
- **Security issues**
 - Authentication and authorization
 - Web pages vulnerability

- **Roadmap until the end of EGEE-II**
 - Development list fixed and more or less “frozen”
 - Concentrate on fixing current issues
 - Prepare the next evolution
 - Documentation work

- **Discussion and questions**