INDIGO IAM Hackaton

IJCLab, November 27-28

Practical information

- Hackaton running until Friday noon?
- Meeting main room is 200-1-139
  - Possibility to arrange other rooms if needed but probably without a videoconferencing system
- Lunch at the cantine
  - 1h30 needed
  - Offered by IJCLab
- Coffee breaks at the cafeteria at the entrance of the building
- Social dinner organised Wednesday evening at 7:30 pm
  - At restaurant Le Gramophone, nearby the RER station
  - At your expense: 30-50€/person
  - Need to confirm the number this morning

INDIGO IAM @IJCLab - instances

- ~8 instances
  - 4 main ones
  - 2 biggest hav 250 users: MesoNET, French federation of regional academic HPC/HTC centers; EURO-LABS, European project of NP community (for the computing part)
  - Flooding in October: 2+1 days of powercut/network cut, complaints received from MesoNET et EURO-LABS projects, meaning it is becoming a critical infrastructure for them
  - Very smooth operation
  - No VOMS so far
- Discussion next week with AGATA experiment (NP) to host a INDIGO IAM with a VOMS servers
  - Want to migrate their VOMS server (CCIN2P3) asap
  - Interested to share experience with this kind of migrations

INDIGO IAM @IJCLab - Hosting

- ## Currently all instances hosted on a VM
  - INDIGO IAM deployed in Podman with podman-compose
  - A common Nginx frontend for all the instances
  - A common MariaDB instance hosted on the same machine and shared by all instances

- ## Work in progress to move to Kubernetes
  - K8s cluster hosted in OpenStack and managed by Magnum service
  - Proof of concept done
  - Interested to share Helm charts with CERN if it makes sense

INDIGO IAM – Main issues

- Mostly related to management of users for projects without a member database
  - Account validation role distinct from administrator role: MesoNET has 20 validators without expertise in managing a service like INDIGO IAM
  - Enhancement of the validation workflow (https://github.com/indigo-iam/iam/issues/874): allow a more effective follow-up of validation process by a team of people

- Approaches for high-availability
  - Flooding raised the importance of being able to provide some high-availability: at least ability to restart an instance in a short time (a few hours)
  - Database high-availability strategies
  - Interested by hearing CERN experience

INDIGO IAM – Integration with member DB

- Einstein Telescope
  - INDIGO IAM hosted at CNAF
  - Would like to integrate it the ET member database in a way similar to what is done at CERN with HR DB
- IJCLab
  - Integration with Active Directory (Federation Services): allow all IJCLab members to get an account on IJCLab INDIGO IAM without the need for applying for an account
  - "database" API will be different but process very similar
- Could CERN scripts be used as a basis for working on these use cases
  - Clearly HR DB API will have to be replaced…