ATLAS Distributed Computing Presents
THE RETURN OF
Its Central Services core

Design Philosophy

Central Services coordinators decided to follow the design principle noted by the U.S. Navy in 1960. 
KISS is an acronym for “Keep it Simple Stupid”. Having a system that is overly sophisticated and takes forever to repair and maintain, wastes precious resources that could be used elsewhere.

With this philosophy in mind, our goal is Simplification via Automation, Trying to automate as much as possible by removing the need for human intervention and using tools that match a minimalistic set of requirements, without a massive overhead required for training and administration:

- Puppet
- Bash
- Continuous Integration in GitLab
- InfluxDB / Grafana
- RunDeck

Conclusion

There is still a lot that can be done and no system is infallible, however we feel that if we can “make everything as simple as possible, but not simpler”, we will be able to create an easily maintainable environment that is not only capable of handling the current working systems, but keep things running well into run 3 at the LHC.