

# EOS from site point of view - experiences at RRC-KI-T1

Igor Tkachenko

on behalf of the NRC-KI Tier-1 team

National Research Centre "Kurchatov Institute"

Moscow, Russian Federation

# EOS-based disk storage detail

- EOS 0.3.2 (CERN)
- 6 pool nodes
- 1 head node
- XFS file system
- Hardware raid6

# Configuration files

- A lot of configuration files in different places  
(/etc/sysconfig/eos /etc/eos.keytab  
/etc/xrd.cf.\*)
  - Why not /etc/eos for all?
- Default values in configuration files
  - Were changed just 4 lines for first start
- Pure documentation of configuration
  - Documentation said “how”, but not “why”
- 4 hours from first installation to first run

# Pool creation

- eosfstregister does not work
- To add pool I need to create pool record in cli and create files on pool with content from cli.  
No ways for automatization.

# Troubleshooting

- Log messages show nothing(for me)

```
/var/log/eos/mgm/xrdlog.mgm-20131120.gz:131119 15:38:01
time=1384861081.171538 func=Activate
level=CRIT  logid=static.....
unit=mgm@io.t1.grid.kiae.ru:1094  tid=00007f708eb66720
source=Master:1097                      tident= sec=(null)
uid=0 gid=0 name=- geo="" Unable to auto-load config
standalone - fix your configuration file!
```

- “Install and forget” way. Since we start use EOS (and all configuration issues were fixed), I don’t look in logs and don’t know about any troubles. Is all fine for Alice too?

# HA EOS

- We don't test HA EOS yet (In plans to the end on June)
- Master/slave switching procedure is unclear
  - What happened when master die (power outage, for example)?
  - How to setup master without commands on slave?

Questions, comments?