



Elasticsearch and Kibana Setup

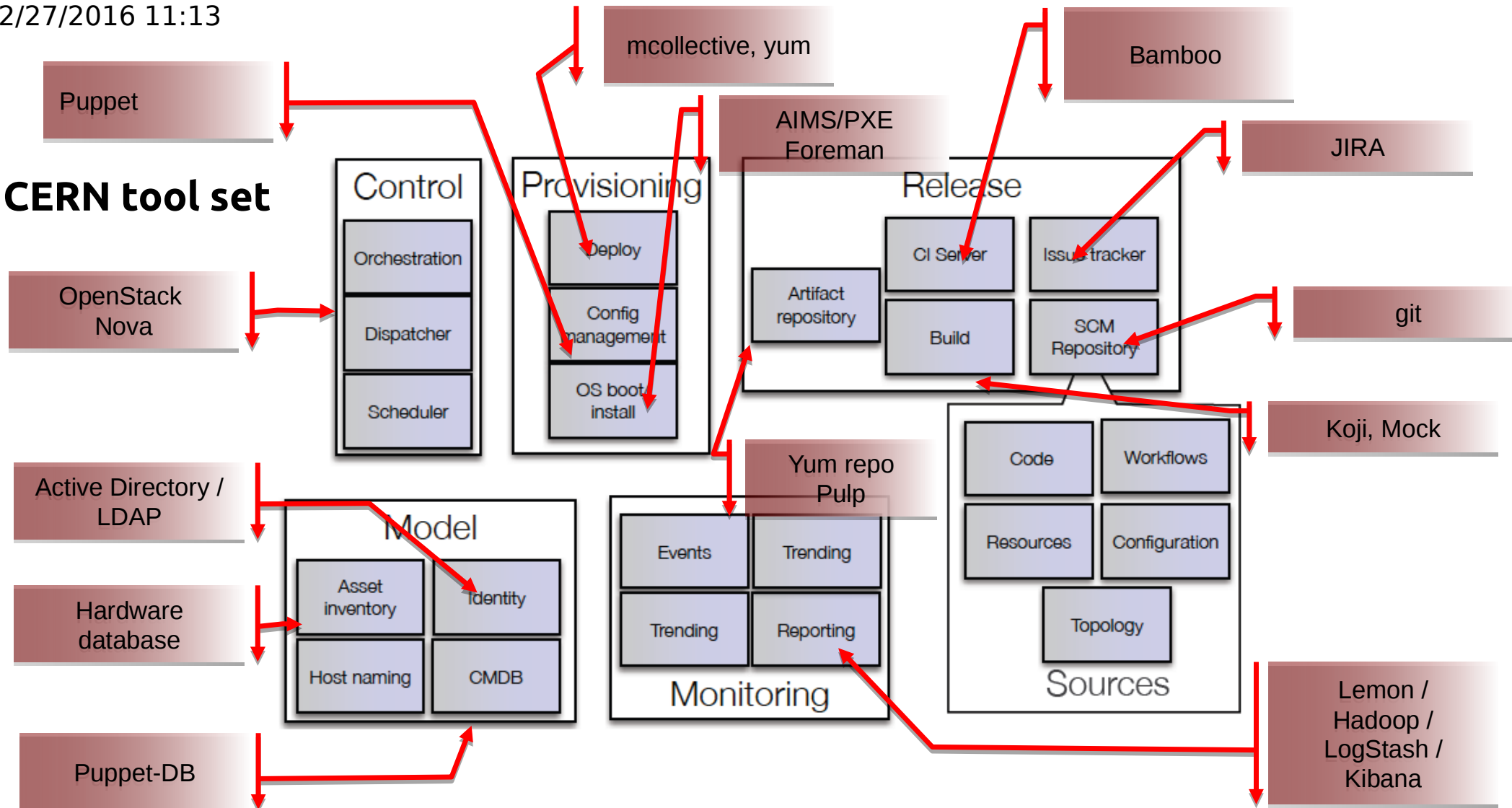
CMS Offline Software Group

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Issues with previous setup

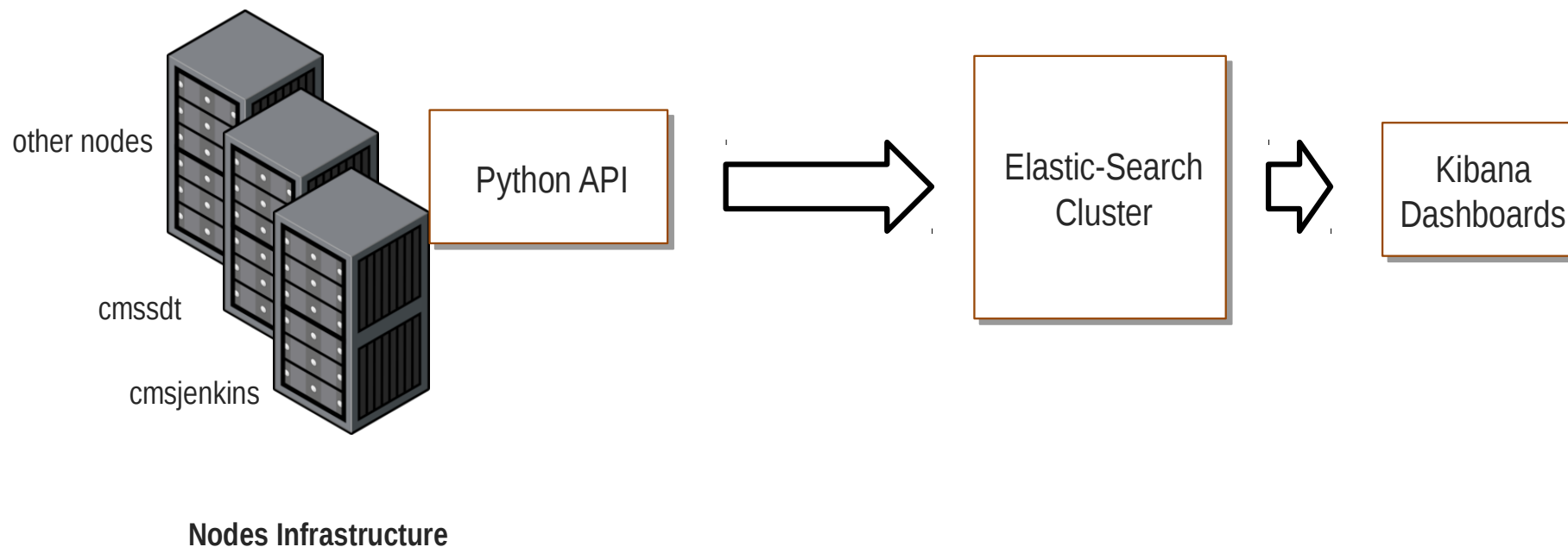
- Shared resources
- Memory and CPU problems
- Slow down of slave nodes

CERN tool set

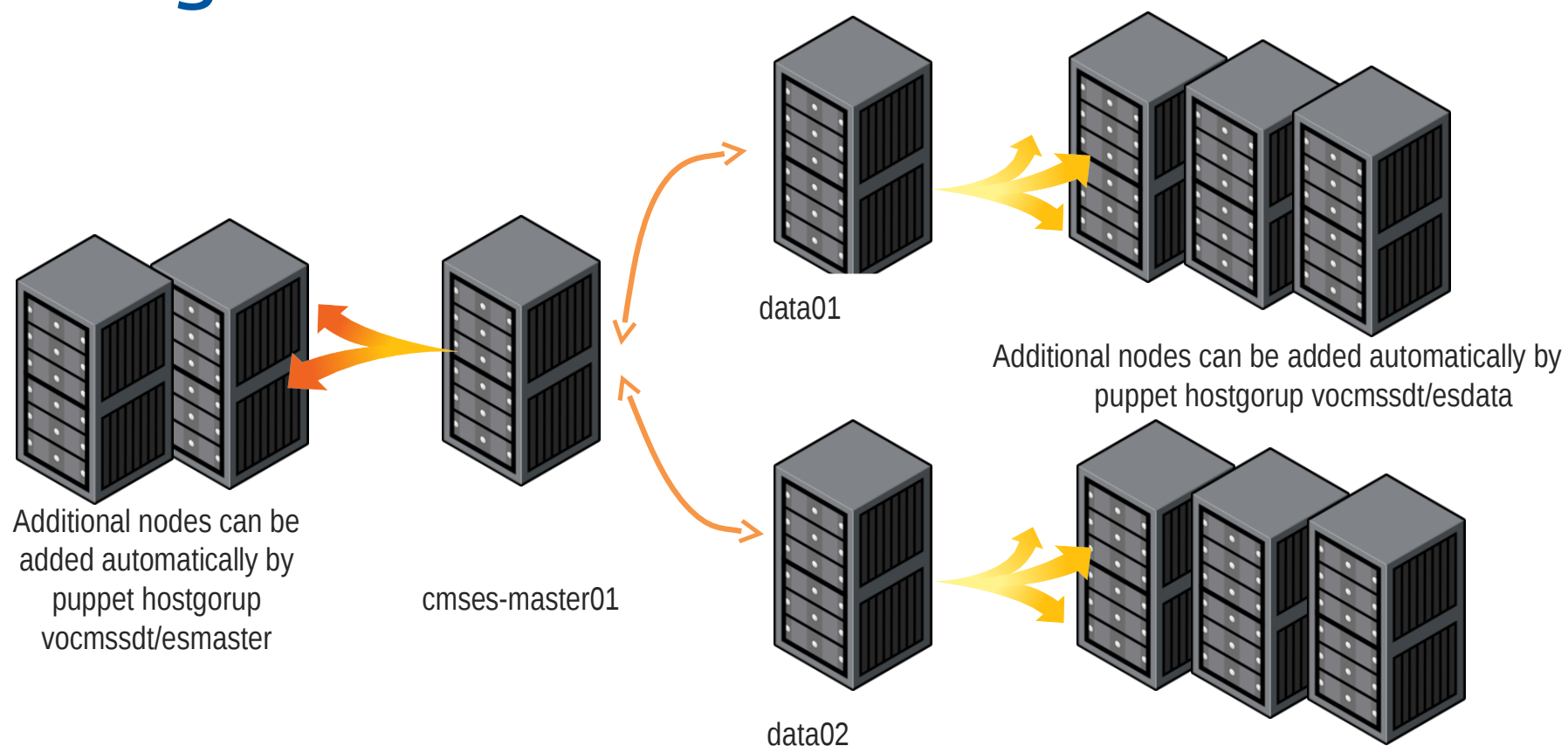
Tools used

- Current setup: 3 nodes
- Can scale horizontally
- Tool chain using
 - Elastic-search 1.5 , Kibana3
 - SearchGuard
 - Puppet-Foreman
 - GitHub (cms-bot)
 - CERN Git (puppet repos)
 - Python

Monitoring - Python, Elastic Search, Kibana



Scaling Architecture Overview



Services

- Monitoring various aspects of Jenkins such as builds
- RelVal logs errors
- Github pull requests
- More ..

Elastic-Search – Cluster Manager

Demo

http://cmses-master01.cern.ch:9200/_plugin/HQ

Monitoring - Kibana

Demo

http://cmses-master01.cern.ch:9200/_plugin/kibana