



Show Us Your Toolbox



some written contributions

- Mieke :
“All of the KM3NeT Tier-0 and Tier-1 software is containerised. The building and testing of the containers is set up in the CI/CD pipelines of the gitlab server. The containers are distributed via CVMFS, and the KM3NeT sftp server. With this in place we have a very flexible solution for the KM3NeT data processing.”



some written contributions

ASGC Toolbox

- Eric :
 - **Aiming at reliability and efficiency of our services, monitoring and warning framework for the production system has been in operation. 3TB+ data is collected daily.**
 - **Monitoring**
 - **Data collected from AHU, Power system and computing/storage/network systems: Prometheus in 10 to 15 sec**
 - **Network: MRTG, Weather Map, perfSonar**
 - **Data Storage: CephFS, Hadoop and Elastic**
 - **Alert: Nagios**
 - **Visualization: Kibana, Grafana, and home brewed dashboard**
 - **Cloud Framework: OpenStack + K8S, with Ansible, Puppet, HELM**
 - **Software distribution: CVMFS**
 - **Anomaly detection and intelligent control for DC, systems, core services, applications, and security, etc. are in progress.**
 - **Missing component: ticketing system**

and a question for the
'Missing from my toolbox session'

- Martin Bly





list of volunteers

- Dennis van Dok – build steps for building Debian packages from sources
- Christoph Beyer – htcondor magic
- Kai Wiemann – using tmux to work with 2FA jump hosts
- Matthias Schnepf – network monitoring of Worker Nodes via Packetbeat
- Christopher Huhn - kitchen (<https://kitchen.ci>)



list of volunteers

- Alex Owen :
 - (1) mosh - <https://mosh.org>
 - (2) proxmox VE - <https://www.proxmox.com/en/proxmox-virtual-environment/overview>
 - (3) conlog - Home grown serial console over IPMI with logging and power menu for bare metal server admin.
<https://github.com/raowen/conlog/>

list of spontaneous volunteers ;-)

