

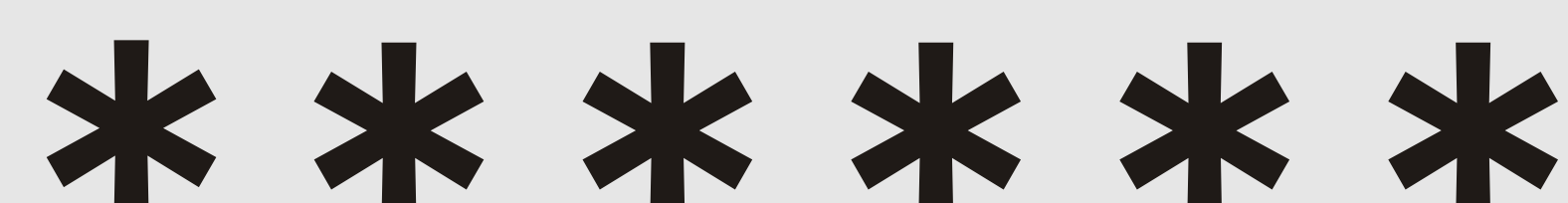


# rzg



RECHEN-  
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## SITE DESCRIPTION AND CONTACTS

1960 - founded by Werner Heisenberg  
and the Max-Planck-society

1962 - first HPC machine

...

2008 - IBM p575 Power6 System  
125 TFlop/s peak, 20TB Ram  
different linux clusters from other  
Max-Planck Institutes

2010 - LCG Tier 2 for ATLAS 650 TB  
with dCache

AFS & Kerberos:

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## AFS & KERBEROS INFRASTRUCTURE

AFS:

5 DB-servers  
2 geographical sites  
49 fileserver with 177 partitions  
HSM to Tape-robot (TSM) with OSD

> 3200 clients  
~ 30000 Volumes  
~ 325 TB on-line space (fileserver)  
~ 270 TB on-line space (OSD)  
~ 900 TB off-line space (first copy)

Kerberos:

Unix :  
Server : heimdal on linux  
Clients : heimdal, MIT, Windows

Principals: ~ 10000 user  
~ 3000 service

Windows AD separate.  
Synced at password-change.

## CURRENT USAGE AND ONGOING PROJECTS

Usage :

AFS :

- Software-repository
- user homedirectories
- scientific data
- remote backup and archiving
- local backup and archiving

Kerberos :

- mail
- ssh

Projects :

- RXOSD development
- integration of HPSS into RXOSD
- embedded filesystems
- Management and monitoring tools

