bwForTreff

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What is bwForTreff?

Participants
- Users of bwGRiD
- Users of bwHPC follow-up Systems
- Students and scientists interested in HPC
- Members of all bwHPC-C5 project partners: Universities/Hochschulen in Baden-Württemberg

Scope
- Status of the Systems
- Lectures and Workshops
- Questions and Discussions
- User contributions
- To meet you in person
Archive

Slides of the user meetings:

**bwGRiD Website Heidelberg**

http://www.urz.uni-heidelberg.de/server/grid

Right column → bwForTreff

**bwGRiD Website Mannheim**

http://tiny.uni-mannheim.de/bwgrid

Right column → bwForTreff
Agenda for today:

- 15:15 Matlab Seminar: Speeding-Up Matlab
- 16:45 Break
- 17:00 Status bwGRiD & bwHPC systems
Status bwGRiD
## Compute cluster

<table>
<thead>
<tr>
<th>Site</th>
<th>Nodes</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mannheim/Heidelberg</td>
<td>280</td>
<td>will close in 2014</td>
</tr>
<tr>
<td>Karlsruhe</td>
<td>140</td>
<td>will close 28.02.2014</td>
</tr>
<tr>
<td>Stuttgart</td>
<td>420</td>
<td>closed since 01.05.2013</td>
</tr>
<tr>
<td>Tübingen</td>
<td>140</td>
<td>will close in 2015</td>
</tr>
<tr>
<td>Ulm (Konstanz)</td>
<td>280</td>
<td>will close 20.03.2014</td>
</tr>
<tr>
<td>Freiburg</td>
<td>140</td>
<td>will close in 2015</td>
</tr>
<tr>
<td>Esslingen</td>
<td>180</td>
<td>will close in 2015</td>
</tr>
</tbody>
</table>

## Central storage

<table>
<thead>
<tr>
<th>Site</th>
<th>Capacity (TB)</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Karlsruhe</td>
<td>128 + 256</td>
<td>closed since 15.12.2013</td>
</tr>
</tbody>
</table>
Status bwGRiD Cluster Mannheim/Heidelberg

Plan

- keep it running until bwForCluster MLS&WISO is available

Problem: No support anymore

- hardware support for compute nodes (ended in 2012)
- hardware support for infrastructure (server, network) (ended in 2013)
- hardware & software support for storage system (until 02/2014)
- software support for batch system scheduler Moab (until 05/2014)
- software support Intel compiler suite (until 02/2014)

Consequences

- take spare parts from closed bwGRiD systems
- maintenances may take more time than expected
- expect sudden failures and save your data in time
Status bwHPC
## Status bwHPC Tier 3 systems

### Compute cluster

<table>
<thead>
<tr>
<th>Cluster</th>
<th>operated by</th>
<th>status</th>
<th>available</th>
</tr>
</thead>
<tbody>
<tr>
<td>bwUniCluster</td>
<td>KIT</td>
<td>running</td>
<td>Q1/2014</td>
</tr>
<tr>
<td>bwForCluster TheoChem</td>
<td>Ulm</td>
<td>procurement</td>
<td>in 2014</td>
</tr>
<tr>
<td>bwForCluster MLS&amp;WISO</td>
<td>HD/MA</td>
<td>procurement</td>
<td>in 2014</td>
</tr>
<tr>
<td>bwForCluster BinAC</td>
<td>Tübingen</td>
<td>proposal</td>
<td>in 2015</td>
</tr>
<tr>
<td>bwForCluster NME</td>
<td>Freiburg</td>
<td>proposal</td>
<td>in 2015</td>
</tr>
</tbody>
</table>
Next bwForTreff – March/April 2014

Plan for Agenda:
- Update Status bwGRiD & bwHPC
- Introduction to bwUniCluster
Useful Links

- bwGRiD Documentation MA: [http://www.uni-mannheim.de/rum/zs/hpc/bwgrid_cluster](http://www.uni-mannheim.de/rum/zs/hpc/bwgrid_cluster)
- bwGRiD Documentation HD: [http://www.urz.uni-heidelberg.de/server/grid](http://www.urz.uni-heidelberg.de/server/grid)
- bwGRiD: [http://www.bw-grid.de](http://www.bw-grid.de)
- bwGRiD Portal: [http://portal.bw-grid.de](http://portal.bw-grid.de)
- User Support: [https://helpdesk.ngi-de.eu](https://helpdesk.ngi-de.eu)

Contact MA: dgrid-support@mailman.uni-mannheim.de
Contact HD: dgrid-support@listserv.uni-heidelberg.de