



# Middleware-Tests with our Xen-based Testcluster

## Tier-2 meeting

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Xen

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# Hardwarefeatures of the Testcluster

- 2 CPU's 3.0 Gbyte each.



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- 2 CPU's 3.0 Gbyte each.
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- 80 Gbyte Sata Harddisk.



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  - test-WN (SLC3)
  - test-SE (SLC3)



## Overview of the installed Software



test-gliteCE



test-WN2



test-lcgCE



test-WN

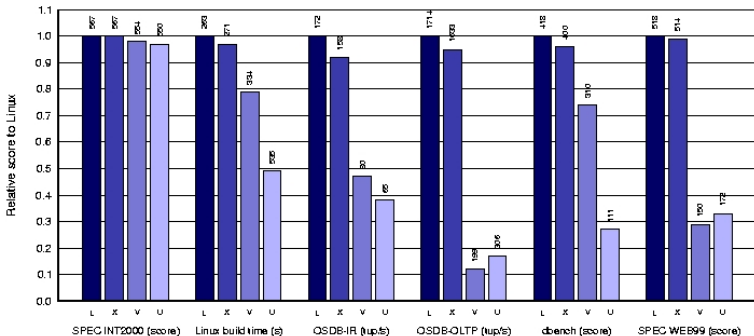


test-dpm



# Why Xen

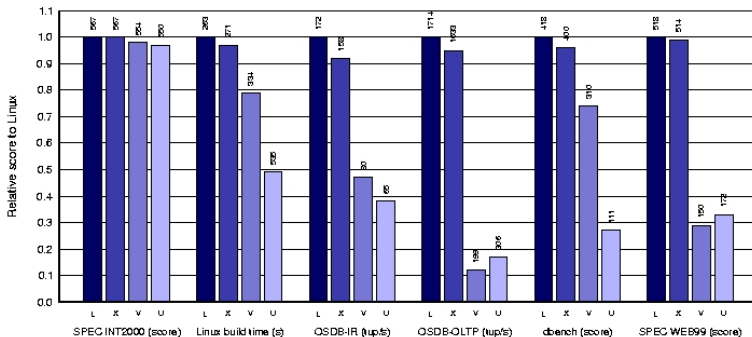
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# Why Xen

- Highest performance of all virtualisation Solutions
- Xen is easy to install (Source or binary)



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- Testing of Middleware Upgrades on the Testcluster.
- Testing of new types of Workernodes (Ifc-Server).
- Learning of how to send Jobs to the Grid.
- Provide a Testbed for our Team and other users.



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At the moment we have we are testing a whole new Cluster where all types of Workernodes are totally based on SL4.

- test-gliteCE (UI based upon SL4)



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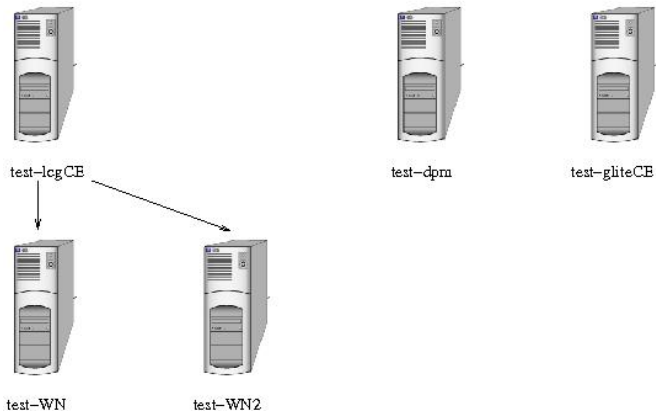
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- test-gliteCE (UI based upon SL4)
- test-lcgCE (SL4) minor Problems
- test-WN (SL4) and test-WN2 (SL4)
- test-dpm (SL4)

# The Testcluster







# future Activities

- Solve the remaining Problems with the test-lcgCE (SL4).As of the moment we can send jobs from an UI to teh test-Cluster, but there are some Problems with the SAM Monitoring tool.



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- Learn how to successfully migrate the MySQL-Databases from the old SLC3 based dpm to the SL4 dpm.
- Extend the usage of Xen. (Install UI, grid-rb, grid-mon on one single Hardware)