

Virtualisation for Oracle databases and application servers

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With the growing number of Oracle database instances and Oracle application servers, and the need to control the necessary resources in terms of manpower, electricity and cooling, virtualisation is a strategic direction that is being seriously considered at CERN for databases and application servers.

Oracle VM is the Oracle certified and supported server virtualisation solution for x86/x86_64 platforms.

In order to be able to use Oracle VM in large scale environments, it must be prepared so that it can be installed and configured in a very short time and without any human interaction as well as maintained in a central way. At CERN, this is done with the CERN ELFms (Extremely Large Fabric management system).

This presentation will explain the steps and work done to install and maintain 2 versions of Oracle VM: 2.1.5 and 2.2. The presentation will also cover the tests of Databases and Application servers running in this virtual environment.

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