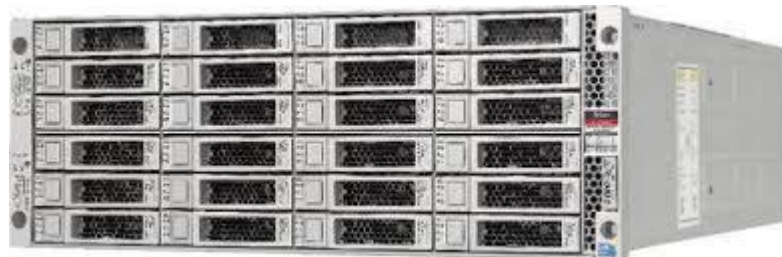


# ■ Main components

- Oracle Database
- DMS storage servers
- Inet application servers
- Magion servers

## ■ Database server

- ❑ Fully redundant engineered system
- ❑ Oracle Database Appliance (aka ODA), V1 original one box
- ❑ 20 HDDs + 4 SSD, triple mirror
- ❑ Two computing nodes/blades, each node 96 GB RAM, 12 cores



## ■ ODA technology

- ❑ Simplified deployment, maintenance, and support
- ❑ An engineered system of software, server, storage, and networking
- ❑ Simple one-button installation, full-stack integrated patching and diagnostics
- ❑ Virtualization possible
- ❑ **CONS:** patching downtime and bugs, only EE supported

## ■ DB Software

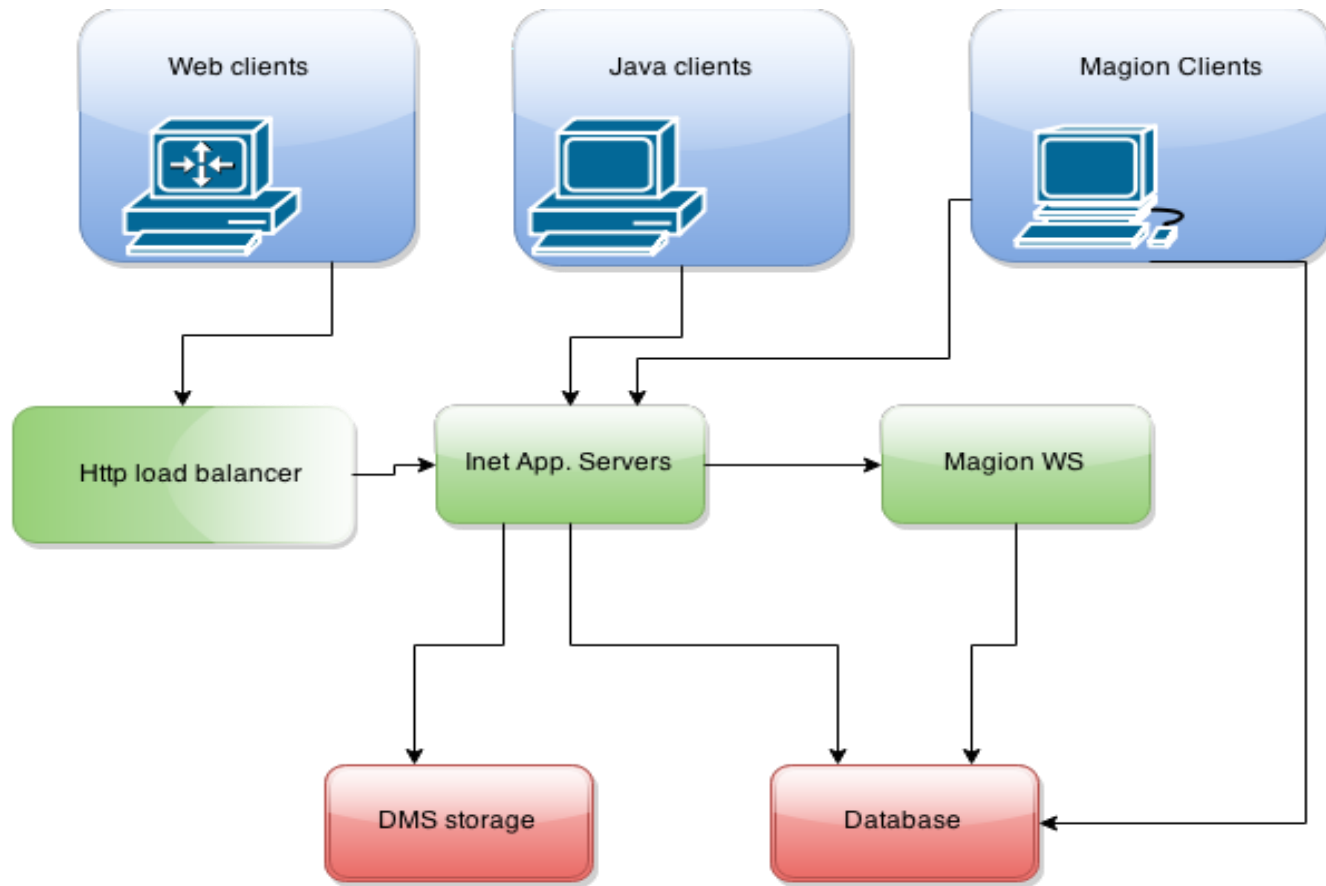
- Oracle database Enterprise Edition 11.2
- Real Application Clusters (active-active) [10,11.1,11.2]
- Dataguard (failure of primary site and sw/fw), mitigate patching downtime

# ■ Inet Application Servers

- ❑ Cluster of two Oracle weblogic enterprise 12c servers
- ❑ Commercial implementation of java EE 6
- ❑ Load balancing by cluster of apache http servers, corosync, heart beat
- ❑ Oracle Enterprise Linux

## ■ Magion

- ❑ Several dedicated terminal servers running thick clients
- ❑ Magion web services connector, two virtual load balanced servers





# ■ Virtualization

- VMWare
- Oracle VM





# ■ Development

- NetBeans
- Git
- Build environment based on ant

**Thank you for your attention**

A decorative graphic at the bottom of the slide consists of several wavy lines. A prominent thick red wave is at the bottom, with a grey wave above it. Above these are several thin grey wavy lines. Three light blue dots are connected by thin lines to the wavy lines, creating a network-like structure.

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