

Grid Infrastructure and Database High Availability Deep Dive Martin Bach

Duration: 1 Day

What you will learn

Providing a highly available database architecture fit for today's fast changing requirements can be a complex task. Many technologies are available to provide resilience, each with its own advantages and possible disadvantages. This seminar begins with an overview of available HA technologies (hard and soft partitioning of servers, cold failover clusters, RAC and RAC One Node) and complementary tools and techniques to provide recovery from site failure (Data Guard or storage replication).

In the second part of the seminar, we look at Grid Infrastructure in great detail. Oracle Grid Infrastructure is the latest incarnation of the Clusterware HA framework which successfully powers every single 10g and 11g RAC installation. Despite its widespread implementation, many of its features are still not well understood by its users. We focus on Grid Infrastructure, what it is, what it does and how it can be put to best use, including the creation of an active/passive cold failover cluster for web and database resources.

Special focus will be placed on the various storage options (Cluster File System, ASM, etc), the cluster interconnect and other implementation choices and on troubleshooting Grid Infrastructure. In the final part of the seminar, we explore Real Application Clusters and its various uses, from HA to scalability to consolidation. We discuss patching and workload management, coding for RAC and other techniques that will allow users to maximize the full potential of the package. A Live Virtual Class (LVC) is exclusively for registered students; unregistered individuals may not view an LVC at any time. Registered students must view the class from the country listed in the registration form. Unauthorized recording, copying, or transmission of LVC content may not be made.

Related Training

Required Prerequisites

Good understanding of Oracle single instance

Understanding of networking concepts

Understanding of running Oracle on a Unix platform

Course Objectives

Examine the most suitable HA technology for your application

Become an expert on Oracle Database HA

Explore the benefits of Real Application Clusters and how to code for them

Course Topics

The HA world

Crossing the data centre

Grid Infrastructure

Glorious applications

Q&A