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EXPERT SUMMIT 2016

10th–12th February

Bengaluru

Elevate your knowledge of Oracle technology to new heights

Oracle University India EXPERT SUMMIT

JOSE KOSHY
Sales Director
Oracle University

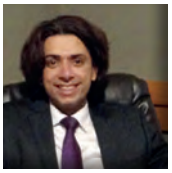
Dear Oracle Professionals,

On behalf of Oracle University, it is my pleasure to invite you to attend the Oracle University India Expert Summit 2016. Staying up to date with the latest technology can mean the difference between career growth and career stagnation. If you want to boost yours, here is an opportunity not to be missed. Industry acclaimed Oracle technology gurus are coming together in Bengaluru to provide you with expert insight and best practices. They will share tips and techniques accumulated from their many years of experience and specialisation. This is real-world knowledge that you will be able to apply right away. Take a look at the agenda & speakers and book quickly to secure your seat!

THE EXPERTS YOU WILL BE LEARNING FROM

GAJA VAIDYANATHA is the CEO of DBPerfMan LLC (http://www.dbperfman.com), a private consulting firm based in the San Francisco area. His company specializes in technical and strategic management of Oracle systems in the areas of Exadata, system performance, high availability and disaster recovery, data consolidation, information lifecycle management, and cloud computing. He has worked with Oracle systems for over 23 years and has provided technical product management direction for companies such as Oracle Corporation and Quest Software. Gaja is the coauthor of "Oracle Performance Tuning 101 and Oracle Insights: Tales of the OakTable." He is a frequent speaker at national and international Oracle events and can be reached at gaja@dbperfman.com.

ARUP NANDA has been an Oracle technologist for the last 20 years, touching all aspects of database management from modeling to performance troubleshooting to disaster recovery and security, most recently on Oracle RAC and Exadata. He has coauthored five books, written more than 500 articles in publications such as Oracle Magazine and OTN, delivered more than 300 sessions and 100 training days all over the world. He is an Oracle ACE Director, a member of Oak Table Network, and a member of the Board of Exadata SIG. Arup blogs regularly at arup.blogspot.com. He was the recipient of two prestigious worldwide awards from Oracle: DBA of the Year in 2003 and Enterprise Architect of the Year in 2012.



GURMEET GOINDI is Group Product Manager in the Oracle Database High Availability group, with a focus on storage, data protection and flash. Currently, Gurmeet owns the product management responsibilities for Exadata Database Machine. As an evangelist for Oracle innovations, he has presented Oracle's vision at various industry forums – Storage Network World (SNW), Flash Memory Summit, Open Sever Summit, Data Storage Innovation Conference, Storage Developer Conference, IOUG Collaborate and many other regional Oracle User Groups. Gurmeet came to Oracle from NetApp, where he was in the engineering organization for 7+ years. He has a Bachelors of Engineering in Electronics from Government Engineering College, Jabalpur, India, and an MBA from the University of Chicago's Booth School of Business.

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THE PROGRAM SCHEDULE

3 Seminars - 3 Experts - 3 Days

One registration pass will get you access to all seminars.

DAY 1
10th February
(Wednesday)

9:00 - 17:00 | Seminar 1
ORACLE CLOUD MANAGEMENT – CONSOLIDATION, HA & DR WITH GAJA KRISHNA VAIDYANATHA

DAY 2
11th February
(Thursday)

9:00 - 17:00 | Seminar 2
PERFORMANCE TUNING IN RAC: DESIGNING AND IMPLEMENTING WITH ARUP NANDA

DAY 3
12th February
(Friday)

9:00 - 17:00 | Seminar 3
EXADATA DEEP DIVE WITH GURMEET GOINDI

MORE INFORMATION

VENUE AND MORE INFORMATION

JW MARRIOTT

EVENT VENUE
JW Marriott Hotel Bengaluru
24/1 Vittal Mallya Road
Bengaluru 560001
India

ONLINE REGISTRATION

REGISTRATION AND ASSISTANCE

One registration pass will get you access to all seminars.

Oracle University India:
Telephone: **1800 103 4775 / +9180 67863102**
Email: **edus_in@oracle.com**

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ORACLE CLOUD MANAGEMENT – CONSOLIDATION, HA & DR WITH GAJA KRISHNA VAIDYANATHA

SEMINAR 1:

10 February 2016 | 09:00 - 17:00

WHY SHOULD YOU ATTEND

Cloud computing has taken the IT world by storm and is transforming applications, databases, data centers, and all aspects of computing, as we know it. This one-day seminar presents a meaningful strategy and architecture alternatives (for Oracle 11*g* & 12*c*), on how Oracle Data Consolidation (ODC), Oracle High Availability (OHA) and Oracle Disaster Recovery (ODR) can be undertaken as phased enterprise-wide cloud computing initiatives.

WHAT YOU WILL LEARN

Besides reducing the overall cost of the data footprint, ODC lays the foundation for the initial phases of designing and implementing a cloud. It does this while never losing focus on maintaining optimal service levels for the applications that are being moved into the cloud. In the area of OHA, we look beyond Oracle RAC to implement business continuity across data centers in a "geographically-dispersed cloud". Given the distributed nature of available hardware resources (across data centers) in an enterprise's cloud, OHA and ODR become that much more challenging and require alternatives to off-the-shelf standard solutions.

SEMINAR OBJECTIVES

- Understand the fundamental aspects of cloud computing
- Identify touch points of cloud computing that relate to Oracle Databases
- Understand the details of an implementable ODC strategy in a cloud
- Learn the issues related to a geographical dispersed cloud and OHA/ODR
- Learn an implementable OHA/ODR solution in a cloud

SEMINAR TOPICS

- Cloud Computing - An Introduction
- Types and Flavors
- Oracle Data Consolidation (ODC) - What and Why?
- ODC and Cloud Computing
- ODC - A High-Level Strategy
- Solutions and Key Considerations
- Key Metrics for Measuring Success
- ODC's Interaction With Other IT Areas
- OHA and ODR - An Introduction
- OHA/ODR and Cloud Computing
- Available Solutions (Compare and Contrast)
- OHA and ODR - A High-Level Strategy
- An Alternative Architecture
- Example Implementations

TARGET AUDIENCE

Developers, Database Administrators, DBA Managers, IT Executives

REQUIRED SKILLS

Oracle Database Administration; basic knowledge of operating systems, storage and networking

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PERFORMANCE TUNING IN RAC: DESIGNING AND IMPLEMENTING WITH ARUP NANDA

SEMINAR 2:
11 February 2016 | 09:00 - 17:00

WHY SHOULD YOU ATTEND

Many DBAs are very good in performance tuning in normal databases. RAC provides complexities specific to the architecture which these experts find difficult to fathom. Occasionally, a database performs well in single instance; but when it is migrated to RAC, it performs poorly. Or, an application is meant to be designed for RAC; but it suffers from performance issues after deployment. You need to know the issues, eliminate the root cause and get immediate relief.

WHAT YOU WILL LEARN

In this seminar you will learn about the special architecture of RAC, how Cache Fusion works; how buffer locking and various layers like GCS, GES, and GRD function; how to design specifically for RAC databases; how to code PL/SQL for RAC; how to measure and interpret various reports (ADDM, AWR) and metrics from the dynamic performance views. Finally you will go through three case studies to solidify your understanding of the concepts learned.

SEMINAR TOPICS

- Building a Strong Foundation
  - Why Performance in RAC is Different From Single-Instance Databases
  - Latch and Lock Management
  - How Buffer Cache Works
  - Buffer Chains and Multi-versioning
  - Buffer States and Buffer Locks
  - How Cache Fusion Internally Works (with Demo)
  - CR Processing
  - What Types of Buffers are Transferred Over the Interconnect
- Measurement
  - What to Measure
  - Wait Interface
  - DBMS Monitor
  - Analyzing Trace Files
  - Consolidating Trace Files in RAC
  - Tracing for Connection Pools
  - Database Statistics
  - Database Events
  - Hang Analysis
  - Interconnect Measurements
  - Correlating AWR Reports with Dynamic Performance Views
- Understanding and Resolving Wait Events in RAC
  - Common and Placeholder Events
  - Lock-Related and Buffer-Related waits
  - 2-way and 3-way waits
  - Buffer-Busy waits
  - How to Measure the Blocks for Cache Fusion
  - Parsing and Library Cache
  - DDLs
  - Designing Stored Procedures for RAC
  - Index Leaf Contention
- Advanced Issues and Resolutions
  - Tuning the Interconnect
  - Jumbo Frames
  - Remastering Objects
  - Targeted SQL Tuning
  - Parallel Query
  - Hot Tables
  - Unique Issues in Sequences and Their Resolutions
  - Real-Life Case Studies

REQUIRED SKILLS

Oracle DBA skills, RAC DBA basics

REGISTER NOW

For more information, advice and assistance, please contact your Oracle University Account Manager or our Oracle University Service Desk:

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+9180 67863102
Email: edus_in@oracle.com

EXADATA DEEP DIVE WITH GURMEET GOINDI

SEMINAR 3:

12 February 2016 | 09:00 - 17:00

WHY SHOULD YOU ATTEND

This seminar presents an in depth analysis of Exadata Database Machine. If you are administering Oracle database environments, managing mission critical databases, or administering large data warehouses, then this session offer you a perfect insight into how Exadata Database Machine solves these problems with the best performance and highest availability

WHAT YOU WILL LEARN

Oracle Exadata has transformed Oracle Database for in-memory analytics, online transaction processing (OLTP), data warehousing, and database as a service (DBaaS). New licensing, configuration flexibility, and all-flash storage options help ensure that Oracle Exadata will continue to be the highest-value database platform for Oracle Database. In this session, you will learn about the latest Oracle Exadata technology and where the platform is going in the future.

You will also learn technical details of Oracle Exadata. After this session, you will understand what has been done to enhance and extend the Oracle Exadata system, database architecture, and functionality and how to take maximum advantage of these new capabilities. The presentation examines in detail the Oracle Exadata hardware and software architecture, Oracle Database extensions for Oracle Exadata, I/O resource management, and Oracle Exadata Smart Scan and Smart Flash Cache features.

This session offers an inside view of how Oracle has embraced flash in its architecture to deliver superior performance and increased availability. It highlights how database- and content-aware usage of flash technologies can maximize database performance while maintaining transactional consistency and high availability.

SEMINAR OBJECTIVES

- In-depth analysis of new hardware and software features
- Learn about Maximum Availability Architecture (MAA)
- Understand Exadata Smart Flash Cache and Smart Flash Logging
- Understand Smart Scan And Hybrid Columnar Compression
- Analyze I/O Resource Management in Exadata

SEMINAR TOPICS

- Exadata Architecture Overview
- MAA and Exadata
- Database-Aware Flash
- I/O Resource Management in Exadata

TARGET AUDIENCE

Oracle Database Administrators, Application Architects, Storage Administrators, System Administrators and Enterprise Application Developers.

REQUIRED SKILLS

Familiarity with Oracle Database

Integrated Cloud Applications & Platform Services