



**Spring 2013 Conference**  
May 17<sup>th</sup> – 19<sup>h</sup>, 2013, Hissarya

# Sessions and Speakers

**ORACLE®**




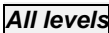
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## Alexander Shopov, Oracle's take on NoSQL

### **Oracle's take on NoSQL**

**Alexander Shopov, Senior Software Engineer at Cisco, Cisco Systems Bulgaria EOOD**

Conference session, , , 

#### **Abstract:**

Saying 'No' to NoSQL's hype seems impossible even for Oracle now. We will have a brief look at Oracle's NoSQL database - somewhat ingeniously called "Oracle NoSQL Database". The overview will be predominantly from developer's point of view because the lecturer is primarily a developer and likes to tick the DBAs off just in case.

#### **Speaker:**



Alexander Shopov has wide experience in programming and has survived it. He never lets common knowledge stop him since he knows the purpose of it is to stop you. Besides that - heads are meant for braking walls. He prefers the heads to belong to someone else.

Relevant to BGOUG are his experience in Java and all the different dialects both imperative and declarative of SQL and their ilk. He has went through a lot of flavours of the software industry - applications and services for the administration almighty, catering to the needs and whims of commercial clients in the fashion, retail, relocation, building, furniture business. As we said - he has went through a lot and thankfully has started forgetting some of it.

Otherwise he is generally a nice guy except for the times he isn't. That means he wields his sense of humour in mysterious ways. He loves free and open source software and is the Bulgarian coordinator of GNOME translation.

## Clive King, Solaris 11u1 performance and stability: features and frameworks

### ***Solaris 11u1 performance and stability : features and frameworks***

***Clive King, Senior Staff Engineer, ORACLE***

***Conference session, , SRV, Experienced***

#### ***Abstract:***

This talk looks under the hood at some of the features and frameworks in Solaris 11u1 which provide the foundation for stability and application performance. We consider technologies like the virtual memory sub-system and the linker which are vital to engineering performance and reliable systems, but are not visible to the end user.

If you have wondered about how an Operating System needs to evolve to support a system with 10,000 cpu's and 100 Terrabytes of physical memory, this talk will interest you..

#### ***Speaker:***

Dr Clive King is a senior Staff Engineer in Solaris Revenue Product Engineering where he works both on critical customer situations, typically performance and stability and also on extending the diagnostic capabilities of Solaris to the ever larger next generation system and beyond..

## Christian Antognini, How the Query Optimizer Learns from Its Mistakes

### ***How the Query Optimizer Learns from Its Mistakes***

***Christian Antognini, Senior Principal Consultant, Trivadis***

**Conference session, , DB, Experienced**

#### ***Abstract:***

The aim of the query optimizer is not only to deliver the SQL engine execution plans that describe how to process data but also, and more importantly, to deliver efficient execution plans. Even though this central component of Oracle Database is enhanced with every new release, there are always cases where it makes mistakes. It is therefore critical that the query optimizer learns from these mistakes automatically. This is exactly what was introduced, starting with 11g, with feedback-based optimization. The aim of this presentation is to review and demonstrate the available features in this area.

#### ***Speaker:***



Since 1995, Christian Antognini has focused on understanding how the Oracle database engine works. His main interests include logical and physical database design, the integration of databases with Java applications, the query optimizer and basically everything else related to application performance management and optimization. He is currently working as a senior principal consultant and trainer at Trivadis in Zurich, Switzerland.

If Christian is not helping one of his customers get the most out of Oracle, he is somewhere lecturing on application performance management or new Oracle Database features for developers. In addition to classes and seminars organized by Trivadis, he regularly presents at conferences and user-group meetings. He is a proud member of the Trivadis Performance Team and of the OakTable Network. Christian is the author of *Troubleshooting Oracle Performance* (Apress, 2008) and the co-author of *Der Oracle DBA* (Hanser, 2011).

## Christian Antognini, SQL New Features in the latest generation of Oracle Database

### **SQL New Features in the latest generation of Oracle Database**

**Christian Antognini, Senior Principal Consultant, Trivadis**

**Conference session,  DEV, Intermediate**

#### **Abstract:**

As with any new Oracle Database release many new or enhanced functionalities are available. In this presentation we will focus on the key additions in SQL. Some are long awaited improvements, other are new concepts that open up completely new possibilities. The following features will be covered:

- Extended Data Types
- Better Default Values
- Session-Level Sequences
- Native Support for Top-N Queries
- Pattern Matching
- Define PL/SQL in the WITH clause.

#### **Speaker:**



Since 1995, Christian Antognini has focused on understanding how the Oracle database engine works. His main interests include logical and physical database design, the integration of databases with Java applications, the query optimizer and basically everything else related to application performance management and optimization. He is currently working as a senior principal consultant and trainer at Trivadis in Zurich, Switzerland.

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## Cuneyt Yilmaz, Administration of Siebel Servers 8.1.x

### **Administration of Siebel Servers 8.1.x**

**Cuneyt Yilmaz, OCP, Senior Consultant, Bilginc IT Academy**

**Conference session,  APPS, All levels**

#### **Abstract:**

Administering Siebel CRM Servers efficiently is going to be covered in this presentation. We're going to start with major components of Siebel CRM servers and continue with managing these components through the Administration Screens. You're going to find out how to do administration tasks in command line interface. It's also very important to find the root cause of the errors and performance bottlenecks by checking system logs and gathering diagnostic information using SDDC and SARM. In addition to these, migration objects and data from development environment to production environment is going to be covered as well.

#### **Speaker:**



He has been working in IT sector for almost 12 years and specialized in Oracle products. He works at Bilginc IT Academy which is a training and consultancy company in Turkey. He delivers trainings related Oracle products including Siebel CRM in around 25 countries in EMEA region in different formats like classroom trainings, Live Virtual Classes. Besides trainings, he also provides consultancy service in Europe. He is a regular speaker in various Oracle User Group Events like TROUG, BGOUG, HROUG and SIOUG and he publishes technical articles and some traveling tips about the places he has visited.  
<http://www.oratt.com>.



## Cuneyt Yilmaz, Oracle Business Intelligence 11g New Features

### **Oracle Business Intelligence 11g New Features**

**Cuneyt Yilmaz, OCP, Senior Consultant, Bilginc IT Academy**

**Conference session,** , , **All levels**

#### **Abstract:**

We're going to discuss the new features of OBIEE 11g and Exalytics in this session. You'll be discovering the new Menu options, new methods in the Selections, enhancements in Dashboard Prompts and etc.

#### **Speaker:**



He has been working in IT sector for almost 12 years and specialized in Oracle products. He works at Bilginc IT Academy which is a training and consultancy company in Turkey. He delivers trainings related Oracle products including Siebel CRM in around 25 countries in EMEA region in different formats like classroom trainings, Live Virtual Classes. Besides trainings, he also provides consultancy service in Europe. He is a regular speaker in various Oracle User Group Events like TROUG, BGOUG, HROUG and SIOUG and he publishes technical articles and some traveling tips about the places he has visited.  
<http://www.oratt.com>.

## **Dimitar Mladenov, Oracle is not only a software company - Complete solutions from Oracle**

### ***Oracle is not only a software company - Complete solutions from Oracle***

***Dimitar Mladenov, Principal Sales Consultant, ORACLE***

***Conference session, , SRV, All levels***

#### ***Abstract:***

Brief HW portfolio overview

Key technologies that differentiate Oracle from other vendors

Optimized solutions and Engineered systems - similarities and differences

Q&A.

#### ***Speaker:***


Education: Higher education on engineering and economics

Career: Sales manager in Isotimpex, Stemo and BNN Group; Sales Consultant in S&T Bulgaria and Oracle Bulgaria.

## Gerry Haskins, Solaris 11 Maintenance Lifecycle & SPARC SuperCluster

### **Solaris 11 Maintenance Lifecycle & SPARC SuperCluster**

**Gerry Haskins, Director, Software Lifecycle Engineering, ORACLE**

**Conference session, , SRV, All levels**

#### **Abstract:**

Oracle Solaris 11 is Oracle's flagship Operating System for scalable, robust, secure solutions. If it has to run, it has to run on Solaris. Oracle Solaris 11 uses the repository based Image Packaging System (IPS), which provides a significantly better customer experience than the old System V Release 4 (SVR4) based packaging and patching model used in Solaris 10 and below. Monthly Support Repository Updates provide bug fixes. This presentation details the Solaris 11 Maintenance Lifecycle.

I also plan to touch on the highly successful SPARC SuperCluster Engineered System which provides outstanding performance and reliability and is the ideal platform for heterogeneous Database and application consolidation..

#### **Speaker:**



Gerry Haskins is Director for Software Lifecycle Engineering in Oracle's Systems division.

He has been working with UNIX for over 25 years and Oracle Solaris patching for over 15 years.

Gerry is responsible for defining policy and best practices for the Oracle Solaris Operating System and SPARC Supercluster Engineered System.

His team also develop the installation and configuration software for SPARC SuperCluster.

Gerry is based in Dublin, Ireland, at Oracle's Global Engineering Center, and is married with 3 kids.

## Georgi Kodinov, Quick Dive into MySQL

### **Quick Dive into MySQL**

**Georgi Kodinov, Senior Software Development Manager, ORACLE**

**Conference session, , , **

#### **Abstract:**

Open source is typically associated with hobbyists and hackers. So an open source database raises a lot of eyebrows with the traditional data users. This session tries to answer some of the practical questions that MySQL first timers often have:

What is MySQL ?

How to pick the right variant of it ?

What are the basic concepts ?

How to perform daily operations with it ?

How to survive the cultural shock ?

What's new in the latest MySQL GA version (5.6) ?.

#### **Speaker:**



Georgi "Joro" Kodinov started as a MySQL developer in 2006. He's currently a team lead for the MySQL Server General Team. The team handles mysql security, performance monitoring, GIS and client tools. Georgi works out of his home office in Plovdiv, Bulgaria..

## Georgi Kodinov, MySQL Security : Past and Present

### ***MySQL Security : Past and Present***

***Georgi Kodinov, Senior Software Development Manager, ORACLE***

***Conference session, , , ***

#### ***Abstract:***

MySQL implements somewhat unorthodox security model. This session aims to explain the principles behind it and give practical examples on how authenticating and authorizing users works in MySQL. The new MySQL 5.6 functionality is highlighted and explained.

#### ***Speaker:***



Georgi "Joro" Kodinov started as a MySQL developer in 2006. He's currently a team lead for the MySQL Server General Team. The team handles mysql security, performance monitoring, GIS and client tools. Georgi works out of his home office in Plovdiv, Bulgaria..

## Husnu Sensoy, Data Mining 101 with Oracle Data Miner

### ***Data Mining 101 with Oracle Data Miner***

**Husnu Sensoy, Oracle ACE Director 🏆, CEO, Global Maksimum Data&Information Technologies**

**Conference session, 🇬🇧, BI, All levels**

#### ***Abstract:***

By Big Data era it is no longer trivial to extract information from data by the use of trivial techniques we have used in the last decade. We need algorithms, that can work on the massive amount of data, to automatically extract business insights from available and upcoming data into our data centers.

In this session I will show several interesting use cases of data mining and machine learning and their implementations by using Oracle Data Mining. Join me to hear how it is easy to apply data mining on data that resides in Oracle database.

#### ***Speaker:***



Previously being the DBA of Europe's largest data warehouse environment, I have recently founded Global Maksimum Data&Information Tech focusing on challenging VLDB problems in the market. I am ACED in BI field, DBA of the year 2009, and an Exadata Implementation Specialist.

## Husnu Sensoy, ZFS Storage can backup your Exadata

### **ZFS Storage can backup your Exadata**

**Husnu Sensoy, Oracle ACE Director 🏆, CEO, Global Maksimum Data&Information Technologies**

**Conference session, 🇬🇧, SRV, All levels**

#### **Abstract:**

Exadata has already penetrated into many customer sites. Although backup & recovery is usually thought to be a side issue in VLDB sites, it should be well-defined, documented, and feasible to use approach.

In this session you will learn how it is easy to use ZFS Storage for backup & recovery architecture of Exadata. We will discuss possible architectures, design issues, and ZFS storage unique capabilities for managing VLDB Backup & Recory throughout the session.

#### **Speaker:**



Previously being the DBA of Europe's largest data warehouse environment, I have recently founded Global Maksimum Data&Information Tech focusing on challenging VLDB problems in the market. I am ACED in BI field, DBA of the year 2009, and an Exadata Implementation Specialist.

## Joze Senegacnik, Is My SQL Statement Using Exadata Features?

### *Is My SQL Statement Using Exadata Features?*

**Joze Senegacnik, Oracle ACE Director 🏆, DB Prof**

Conference session, 🇬🇧, DBA, All levels

#### **Abstract:**

Although a SQL statement is running on an Exadata box there is no guarantee that all available Exadata features will be used to boost the performance. It is running fast but could it be even faster? Is the query offloaded? In this presentation we will look how one can check which features were used during SQL statement execution and how one can "force" usage of available Exadata features.

#### **Speaker:**



Jože Senegacnik has more than 24 years of experience in working with Oracle products. He began in 1988 with Oracle Database version 4 while working for the City of Ljubljana, where he had charge over the city's municipal and geographic information systems. From 1993 to 2003, he worked in developing GIS systems for the Surveying and Mapping Authority of the Republic of Slovenia, and in the development of applications for other governmental institutions, all based on the Oracle database. More recently, he has specialized in performance optimization, having developed his own toolset for monitoring performance and analyzing trace files.

Joze is an internationally recognized speaker, and a member of the highly respected OakTable Network ([oaktable.net](http://oaktable.net)). He was awarded Oracle ACE and Oracle ACE Director membership for his long record of positive contributions to the Oracle community..



## Julian Dontcheff, Upgrading to the latest generation of database technology

### ***Upgrading to the latest generation of database technology***

***Julian Dontcheff, OCP, OCM, Oracle ACE Director 🏆, Head of Database Management, Accenture***

***Conference session, 🇬🇧, DBA, All levels***

#### ***Abstract:***

The presentation covers all possible options on how to migrate to Oracle 12c including the risks, pros and cons.

#### ***Speaker:***



First Oracle Certified Master in Europe, Oracle ACE Director, more than 20 years of database experience.

## Maja Veselica, Securing Oracle Database with Oracle Audit Vault and Database Firewall 12c

### **Securing Oracle Database with Oracle Audit Vault and Database Firewall 12c**

**Maja Veselica, OCP, Education Manager, Security Consultant, Parallel**

**Conference session,  DB, All levels**

#### **Abstract:**

Oracle Audit Vault and Database Firewall 12c is a software appliance that monitors Oracle and non-Oracle database traffic to detect and block threats, and consolidates audit data from databases, operating systems, directories, and other sources.

In this session we will look at architecture of this product and demonstrate how to secure Oracle database with it. You will learn how to:

- monitor database traffic, using a database firewall, and block SQL injection attacks and other unauthorized SQL
- define Audit Policies for Oracle Database
- use built-in and custom reports to address security and compliance reporting.

#### **Speaker:**




Maja Veselica works for Parallel d.o.o. as Education Manager and Security Consultant. She is an instructor for numerous Oracle courses and a member of the Information Systems Security Association. Possesses following certificates:

- Oracle Database 11g Security Certified Implementation Specialist
- Oracle Identity Administration and Analytics 11g Certified Implementation Specialist
- Oracle Service Oriented Architecture Infrastructure Implementation Certified Expert
- Oracle Certified Professional, Java SE 6 Programmer
- Oracle Unified Business Process Management Suite 11g Certified Implementation Specialist.

## Philip Stoyanov, New features in Oracle SQL Developer Data Modeler 3.3

### ***New features in Oracle SQL Developer Data Modeler 3.3***

***Philip Stoyanov, Senior software development manager, ORACLE***

***Conference session, , DEV, All levels***

#### ***Abstract:***

Will cover new features introduced since release of Oracle SQL Developer 3.1 including support for some of Oracle Database 12c features.

#### ***Speaker:***



In software development since 1982. Current position - Senior software development manger for Oracle SQL Developer Data Modeler.

## Radu Parvu, Data Loading with SQL\*Loader

### ***Data Loading with SQL\*Loader***

***Radu Parvu, Manager, Accenture***

***Conference session,  DB, All levels***

#### ***Abstract:***

SQL\*Loader Overview  
Retail Customer Case  
NSN Customer Case  
Solution details deployed by NSN  
Ease-of-use of SQL\*Loader with SQL Developer GUI  
External Tables (or new features if 12c will be released)

#### ***Speaker:***



Radu has over 12 years of experience in various database projects (mainly Oracle but other DBMS, too).  
Radu holds License (one degree over Bachelor) of Engineering in Technological Physics from University of Bucharest.

#### Database Expertise:

- Data migrations, database upgrades, backups, cloning and recovery
- Oracle installation, configuration, patching and database tuning
- Data Replication: Golden Gate, Advanced and materialized view replication, Oracle streams
- Very large databases and Enterprise Manager Grid Control (OEM 12c Cloud Control)
- HA: Real Application Clusters & Oracle Data Guard
- Database design, Master data management, Business Intelligence and Data Warehousing: Exadata
- ETL data: export/import, SQL\*Loader and Oracle Data Pump
- MAA and DR: Maximum Availability Architecture and Disaster Recovery

Speaker at OUG Finland, Frequent Speaker at Accenture Finland Oracle Community Sessions, Speaker for the Accenture WorldWide Oracle Community of Practice, DB related blog: <http://db.parvu.org/blog/>.

## Radu Parvu, Golden Gate: Reliable and Fast Data Replication

### **Golden Gate: Reliable and Fast Data Replication**

**Radu Parvu, Manager, Accenture**

Conference session, , , All levels

#### **Abstract:**

Overview  
Architecture  
Troubleshooting  
Use Cases

#### **Speaker:**



Radu has over 12 years of experience in various database projects (mainly Oracle but other DBMS, too).  
Radu holds License (one degree over Bachelor) of Engineering in Technological Physics from University of Bucharest.

Database Expertise:

- Data migrations, database upgrades, backups, cloning and recovery
- Oracle installation, configuration, patching and database tuning
- Data Replication: Golden Gate, Advanced and materialized view replication, Oracle streams
- Very large databases and Enterprise Manager Grid Control (OEM 12c Cloud Control)
- HA: Real Application Clusters & Oracle Data Guard
- Database design, Master data management, Business Intelligence and Data Warehousing: Exadata
- ETL data: export/import, SQL\*Loader and Oracle Data Pump
- MAA and DR: Maximum Availability Architecture and Disaster Recovery

Speaker at OUG Finland, Frequent Speaker at Accenture Finland Oracle Community Sessions, Speaker for the Accenture WorldWide Oracle Community of Practice, DB related blog: <http://db.parvu.org/blog/>.

## Stoyan Ivanov, Periodical Games

### ***Periodical Games***

***Stoyan Ivanov, Oracle Consultant***

***Demonstration, , DEV, All levels***

#### ***Abstract:***

Building a query over periodical data step by step.

#### ***Speaker:***



About 20 years of experience with Oracle  
All kind of projects – small, middle, large  
Working with international and domestic customers  
Member of BGOUG management board

## Todor Gigilev, How to integrate Forms and Reports in ADF

### ***How to integrate Forms and Reports in ADF***

***Todor Gigilev, Oracle Department Director, Dreamix Ltd***

***Conference session, , MDW, All levels***

#### ***Abstract:***

This topic is about best practices in Fusion Middleware development, stressing on successful methodologies for integration and migration of Oracle Forms to ADF.

You will understand how to open Oracle Forms in ADF web environment and how to run Oracle Reports from inside the fusion application. You will also see how this impacts the migration process of Forms to ADF positively.

There will be a deeper look of how to design the ADF application frame to provide best user satisfaction and provide functionality to run multiple forms at one time.

#### ***Speaker:***



Todor Gigilev has vast experience in the Oracle Fusion Middleware stack, including ADF, SOASuite, WebCenter and BPM technologies. His recent projects include international consulting for banking, insurance and airplane enterprises. Having extensive experience in ADF implementation and Forms to ADF migration, he can demonstrate many hidden details of these processes, highlighting the positive lessons learned.

## Thomas Kyte, 5 SQL and PL/SQL things in the Latest Generation of Database Technology

### ***5 SQL and PL/SQL things in the Latest Generation of Database Technology***

***Thomas Kyte, Senior Technical Architect, ORACLE***

***Conference session, , DEV, All levels***

#### ***Abstract:***

This session will cover five capabilities of the SQL and PL/SQL languages in the Latest Generation of Database Technology that you probably don't know about - but should.

#### ***Speaker:***



Tom Kyte is a Senior Technical Architect in Oracle's Server Technology Division. Before starting at Oracle, Kyte worked as a systems integrator building large-scale, heterogeneous databases and applications, mostly for military and government customers. Kyte spends a great deal of time working with the Oracle database and, more specifically, working with people who are working with the Oracle database. In addition, Kyte is the Tom behind the AskTom column in Oracle Magazine, answering people's questions about the Oracle database and its tools (<http://asktom.oracle.com/>). Kyte is also the author of Expert Oracle Database Architecture (Apress, 2005), Expert One on One Oracle (Wrox Press, 2001/Apress 2004), Beginning Oracle Programming (Wrox press, 2002/Apress 2004), and Effective Oracle by Design (Oracle Press, 2003). These are books about the general use of the database and how to develop successful Oracle applications.



## Thomas Kyte, Tom's Top 12 Things about the Latest Generation of Database Technology

### ***Tom's Top 12 Things about the Latest Generation of Database Technology***

***Thomas Kyte, Senior Technical Architect, ORACLE***

***Conference session,  KEYNOTE, All levels***

#### ***Abstract:***

We'll be taking a look at the Latest Generation of Database Technology and zeroing in on 12 high impact capabilities, looking at what they are and why they are relevant.

#### ***Speaker:***



Tom Kyte is a Senior Technical Architect in Oracle's Server Technology Division. Before starting at Oracle, Kyte worked as a systems integrator building large-scale, heterogeneous databases and applications, mostly for military and government customers. Kyte spends a great deal of time working with the Oracle database and, more specifically, working with people who are working with the Oracle database. In addition, Kyte is the Tom behind the AskTom column in Oracle Magazine, answering people's questions about the Oracle database and its tools (<http://asktom.oracle.com/>). Kyte is also the author of Expert Oracle Database Architecture (Apress, 2005), Expert One on One Oracle (Wrox Press, 2001/Apress 2004), Beginning Oracle Programming (Wrox press, 2002/Apress 2004), and Effective Oracle by Design (Oracle Press, 2003). These are books about the general use of the database and how to develop successful Oracle applications.

## Thomas Kyte, What's new in Oracle database Application development

### ***What's new in Oracle database Application development***

***Thomas Kyte, Senior Technical Architect, ORACLE***

***Conference session,  DEV, All levels***

#### ***Abstract:***

This general session takes a look at what's been new in the last year in Oracle Database Application Development tools using the Latest Generation of Database Technology. Topics range from Oracle SQL Developer and Oracle Application Express to Java and PHP.

#### ***Speaker:***



Tom Kyte is a Senior Technical Architect in Oracle's Server Technology Division. Before starting at Oracle, Kyte worked as a systems integrator building large-scale, heterogeneous databases and applications, mostly for military and government customers. Kyte spends a great deal of time working with the Oracle database and, more specifically, working with people who are working with the Oracle database. In addition, Kyte is the Tom behind the AskTom column in Oracle Magazine, answering people's questions about the Oracle database and its tools (<http://asktom.oracle.com/>). Kyte is also the author of Expert Oracle Database Architecture (Apress, 2005), Expert One on One Oracle (Wrox Press, 2001/Apress 2004), Beginning Oracle Programming (Wrox press, 2002/Apress 2004), and Effective Oracle by Design (Oracle Press, 2003). These are books about the general use of the database and how to develop successful Oracle applications.

## Tim Hall, A Cure for Virtual Insanity: A vendor-neutral introduction to virtualization without the hype

### *A Cure for Virtual Insanity: A vendor-neutral introduction to virtualization without the hype*

*Tim Hall, ACE director 🏆, DBA / Developer, ORACLE-BASE.com*

*Conference session, 🇬🇧, 🇨🇸, All levels*

#### **Abstract:**

You've heard of virtualization and you know it's at the heart of most enterprise cloud strategies, but then it all gets a little... "cloudy". This presentation explains the concepts, products, pros and cons of virtualization without the smoke and mirrors and definitely no sales pitch.

#### **Speaker:**



"Oracle ACE of the Year 2006" Tim Hall is an Oracle DBA/Developer and well known Oracle blogger at <http://www.oracle-base.com>. If that isn't enough, he's written two books and over 400 articles, is an Oracle ACE Director, has presented at numerous user groups and conferences worldwide and recently presented a series of 2-day PL/SQL tuning seminars in Europe and Asia-Pacific as part of the "Oracle University Celebrity Series".

## Tim Hall, From Zero to Hero: Using an assortment of caching techniques to improve performance of SQL containing PL/SQL calls

### *From Zero to Hero: Using an assortment of caching techniques to improve performance of SQL containing PL/SQL calls*

*Tim Hall, ACE director 🏆, DBA / Developer, ORACLE-BASE.com*

*Conference session, 🇬🇧, DEV, Intermediate*

#### **Abstract:**

Oracle 11g introduced some new performance features related to caching data, but using caching to improve SQL and PL/SQL performance is nothing new. This presentation demonstrates a number of techniques to optimize performance of SQL statements that contain PL/SQL calls.

#### **Speaker:**



"Oracle ACE of the Year 2006" Tim Hall is an Oracle DBA/Developer and well known Oracle blogger at <http://www.oracle-base.com>. If that isn't enough, he's written two books and over 400 articles, is an Oracle ACE Director, has presented at numerous user groups and conferences worldwide and recently presented a series of 2-day PL/SQL tuning seminars in Europe and Asia-Pacific as part of the "Oracle University Celebrity Series".

## Trayan Iliev, How to REST? Development of RESTful Web Services for the Enterprise

### ***How to REST? Development of RESTful Web Services for the Enterprise***

***Trayan Iliev, CEO, IPT - Intellectual Products & Technologies***

**Conference session,** , **DEV**, **All levels**

#### **Abstract:**

As designers and developers of distributed information systems our goal is to build systems that satisfy specified functional and non-functional requirements. We want to develop applications that are scalable and easy to maintain and evolve in long term. Service Oriented Architecture (SOA) has been proposed as a business vision, architectural style, and a set of supporting standards (SOAP, WSDL, WS-\*) and technologies that promise to help organizations to achieve that goal. They are platform independent and usually deployed over HTTP protocol. But by just tunneling remote operation invocations through HTTP they do not utilize the Web's full potential. They do not employ in full extent the performance, scalability, reliability, simplicity, extensibility, dynamic evolvability, cusomizability, configurability, and visibility properties inherent in the design of Web standards.

Despite the simplicity of its underlying standards and protocols (HTTP, URI, MIME, HTML, etc.) Web is increasingly successful as a platform for distributed application systems development. REpresentational State Transfer (REST) has been proposed as a new architectural style for development of web services for the enterprise. Among the advantages of REST are:

- Scalability of component interactions – through layering the client server-communication and enabling load-balancing, shared caching, security policy enforcement;
- Generality of interfaces – allowing simplicity, reliability, security and improved visibility by intermediaries, easy configuration, robustness, and greater efficiency by fully utilizing the capabilities of HTTP protocol;
- Independent development and evolution of components, dynamic evolvability of services, without breaking existing clients.

During the session will be compared different web services architectural styles ("classic" SOAP services vs. REST). The Richardson's maturity model of web services will be introduced. The process of designing sets of resources and resource representations for RESTful services, together with existing patterns and anti-patters will be presented. Finally the session will conclude with a demonstration of implementing a business process using JSR-311: JAX-RS - Java™ API for RESTful Web Services, according to Hypermedia As The Engine Of Application State (HATEOAS) principle and REST architectural constraint.

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#### **Speaker:**



Trayan Iliev holds MSc degree in Informatics from Sofia University. Since 2003 he is CEO of IPT - Intellectual Products & Technologies (<http://www.iproduct.org/>). The company is specialized in software development and training using open source technologies. Since 2000 he holds position of lecturer at Faculty of Mathematics and Informatics, Sofia University "St. Kliment Ohridski", Bulgartia. He has participated in EU funded international research projects, as well as in several business projects, as researcher, software developer/architect and project leader.

Among his current technical and research interests are: Service Oriented Architecture, business systems and process modeling using UML and BPMN, Java portlets and portal frameworks (Liferay, GateIn, etc.), AJAX and JavaScript libraries, Java EE technologies (EJB 3.1, JSF 2.0, JPA 2.0, EJB™ 3.1, JSF 2.0, REST-ful web services, WSRP), Java multithreading, multi-agent technologies (<http://www.h2j.org/>).

## Vesela Stoynovska, Veselin Mihaylov , The Cost of the Efforts for a DB Migration Using Oracle Golden Gate and Exadata DBM Implementation at First Investment Bank

### ***The Cost of the Efforts for a DB Migration Using Oracle Golden Gate and Exadata DBM Implementation at First Investment Bank***

***Vesela Stoynovska, DBA team leader, First Investment Bank***

***Veselin Mihaylov, DBA, First Investment Bank***

**Conference session, , CASE, All levels**

#### **Abstract:**

This session is about the practical experience we gained using Oracle Golden Gate for a DB migration and how the benefits of this approach were proven to be true during its implementation:

- minimal impact and continuous availability of legacy systems during the project;
- improved capabilities for data integrity and data accuracy;
- fail-back solution in the event of unexpected issues;
- reliable functional and performance assessment of the new environment;
- minimal DB downtime during the final stage (the switchover to the new production system) of the project.

#### **Speakers:**



**Vesela Stoynovska:** More than 10 years of experience in working with Oracle products and services. Currently: database administration team leader in First Investment Bank.  
An Oracle GoldenGate 10 Certified Implementation Specialist.



**Veselin Mihaylov:** More than 8 years experience as Oracle Database Administrator in financial environment .  
Participated in many migration projects of core banking systems of several Bulgarian Banks . An Oracle Golden Gate 10 Certified Implementation Specialist

## Yavor Nikolov, Test-driven development of database code with DbFit and Oracle Database

### *Test-driven development of database code with DbFit and Oracle Database*

*Yavor Nikolov, OCP, Database Expert (Oracle)*

*Demonstration*, , *DEV*, *All levels*

#### **Abstract:**

Test-driven database development. Write readable, easy-to-maintain unit and integration tests for your database code.

The goal is to how to apply using the ideas like TDD and unit testing in database world. Using for illustration a free open source tool called dbFit and Oracle database.

#### **Speaker:**



Using Oracle technologies since ~10 years: building Data Warehouses and other systems. Being involved in development, Oracle database administration, tweaking server OS.

My interests are also in bettering everything in a software/knowledge-world teams organisations and related products: technical practices, technologies and infrastructure, process of work, collaboration and learning culture.

Fan of Linux, Lean/Agile/Scrum/Kanban practices and approaches.

## Zoran Pavlovic, New Security Features in Oracle Database 12ce

### ***New Security Features in Oracle Database 12c***

***Zoran Pavlovic, OCP, IT Security Consulting Manager, Parallel***

***Conference session, , DB, All levels***

#### ***Abstract:***

In this session we will look at new security features available in the newest generation of database technology, such as:

- \* common and local users, roles and privileges;
- \* separation of duties (sysbackup, sysdg, syskm);
- \* unified auditing;
- \* data redaction;
- \* privilege analysis;
- \* new pl/sql privilege checking;

#### ***Speaker:***



Zoran Pavlovic works for Parallel as a security team manager. He has worked as an external instructor for Oracle University across EMEA region. He is a member of the Information Systems Security Association.

Currently holds following Oracle certificates:

- Oracle Database 11g Security Certified Implementation Specialist
- Identity Administration and Analytics 11g Certified Implementation Specialist
- Oracle Certified Professional, Java SE 6 (SCJP)
- SOA Infrastructure Implementation Certified Expert
- Oracle Unified Business Process Management Suite 11g Certified Implementation Specialist