Spring 2012 Conference
May 11th – 13th, 2012, Borovets

Sessions and Speakers

ORACLE®

Techno Logica

Alexander Shopov, "Lifting the Veil" - Reading Java Bytecode

"Lifting the Veil" - Reading Java Bytecode

Alexander Shopov, Programmer,

Conference session, 🇬🇧 *, SRV ,* Experts

Abstract:

The programming language Java does almost everthing. Once you have to transcend the "almost" you have to be able to read bytecode.

Perhaps you want to write a new language for the JVM, or you want to have a perception of the performance. But most probably you are a programmer, you have tight deadlines, and you need to integrate different systems. The vendor has published libraries and javadocs that blatanly lie what they are doing. And then you realise that you need to read between the lines or bytecodes...

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 if 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.

Anatoli Atanasov, Developing applications with Oracle ADF. Step 3 – navigating logic flow between the user interface and business logic

Developing applications with Oracle ADF. Step 3 – navigating logic flow between the user interface and business logic

Anatoli Atanasov, Sales Consultant, ORACLE

Demonstration, 🇧🇬, DEV, All levels

Abstract:

"Developing applications with Oracle ADF" are series of presentations covering different aspects of the Oracle Application Development Framework 11g and particularly how the MVC paradigm is implemented by the product. "Step 3 – navigating logic flow between the user interface and business logic" is focusing on the heart of the Oracle AD framework – the Oracle ADF Controller. The presentation goes through the concepts of the Controller layer and demonstrates some generic use cases..

Speaker:

Anatoli Atanasov works for Oracle Corporation branch Bulgaria as a Senior Technology Sales Consultant specializing in and covering the Oracle Fusion Middleware product portfolio. His main responsibilities include designing scalable middleware infrastructures, educating the BG middleware market, consulting customers on different IT projects, etc. He has strong background in software development with Java and Oracle middleware and database technologies.

Prior to joining Oracle from a partner, Anatoli Atanasov had worked in different projects mainly in the Financial and Public sectors as a software engineer. In the last couple of years he is specializing in Service Oriented Architectures, Business Process Management, Java development and Portals, Application and Database Security and Content/Document Management Solutions.

Anatoli Atanasov has Master of Science degree from Sofia University "St. Kliment Ohridski" in Software Engineering and Bachelor degree from Technical University of Sofia in Computer Systems and Management.

Anatoli Atanasov, Developing applications with Oracle ADF. Step 4 - Building the UI.

Developing applications with Oracle ADF. Step 4 - Building the UI.

Anatoli Atanasov, Sales Consultant, ORACLE

Demonstration, 🇧🇬 , DEV , All levels

Abstract:

Developing applications with Oracle ADF" are series of presentations covering different aspects of the Oracle Application Development Framework 11g and particularly how the MVC paradigm is implemented by the framework. "Step 4 – building the UI" is the last presentation and is focused on the prebuilt JSF components that comes with the framework, how these components improve and accelerate the development process. The presentation goes through the concepts of the JSF extension implemented in ADF and demonstrates some of the components.

Speaker:

Anatoli Atanasov works for Oracle Corporation branch Bulgaria as a Senior Technology Sales Consultant specializing in and covering the Oracle Fusion Middleware product portfolio. His main responsibilities include designing scalable middleware infrastructures, educating the BG middleware market, consulting customers on different IT projects, etc. He has strong background in software development with Java and Oracle middleware and database technologies.

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Boris Gyurov, Playing with the Result Cache

Playing with the Result Cache

Boris Gyurov, OCP, Director, IT Knowledge Ltd

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

Abstract:

Sql Result cache - functionality, specifics, usage.

Speaker:

16 years of experience in the Oracle Technologies

Oracle 8,8i,9i,10g,11g Certified Database Administrator,

5 years of experience as Oracle Support Engineer – Oracle Bulgaria

Consultant, Trainer and presenter.

Cuneyt Yilmaz, Best Practices of Oracle BI Publisher 11g

Best Practices of Oracle BI Publisher 11g

Cuneyt Yilmaz, Senior Consultant, Bilginc IT Academy

Conference session, 🇬🇧, BI, All levels

Abstract:

Oracle BI EE 11g is a comprehensive and integrated suite of analytic tools that supports full range of capabilities including web-based ad hoc analysis, dashboards, alerts, etc. However, when it comes to richly formatted and pixel perfect reports, there is a need for another product which is Oracle BI Publisher 11g in this case. In this session, we will discover how Oracle BI Publisher functions and how it reduces the development and maintenance costs from the reporting perspective. After the overview of the product, tips & tricks will also be covered.

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, Integrating Solutions for Siebel CRM 8.1.x

Integrating Solutions for Siebel CRM 8.1.x

Cuneyt Yilmaz, Senior Consultant, Bilginc IT Academy

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

Abstract:

Enterprise customers need to be able to integrate their applications easily and in a consistent way. Of course, there are many challenges in integration projects. like the different implementation ways of the applications, lack of standard integration architecture and the others. What about Siebel CRM? Is the situation same for it also? I am going to talk about the overview of the Siebel integration solutions and cover the application and data integration at different levels. Best practices of Siebel CRM 'how to select an integration topology and appropriate strategy' will also be covered.

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

Dean Gagne, Mastering Oracle Data Pump

Mastering Oracle Data Pump

Dean Gagne, Principal Member of Technical Staff, ORACLE

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

Abstract:

This presentation will discuss tips to help Oracle Data Pump users understand more about the Data Pump utility. Oracle Data Pump features and newly published parameters will be discussed..

Speaker:

Dean is a software engineer for Oracle Corporation and has been in the Utilities group for 12+ years. He first worked on the original export and import utility, then worked on the Metadata API before developing the Data Pump worker process.

Dean Gagne, Oracle Data Pump Q&A session

Mastering Oracle Data Pump
Dean Gagne, Principal Member of Technical Staff, ORACLE

Conference session, 🇬🇧 *, DBA , Experienced*

Abstract:

 Using Oracle Data Pump - Questions and Answers session.

Moderator:

Dean is a software engineer for Oracle Corporation and has been in the Utilities group for 12+ years. He first worked on the original export and import utility, then worked on the Metadata API before developing the Data Pump worker process.

Georgi Bekiarov, Oracle Siebel Order Management

Oracle Siebel Order Management

Georgi Bekiarov, Principal Consultant, ORACLE

Demonstration, 🇧🇬/🇬🇧, APPS, *All levels*

Abstract:

Siebel Order Management allows rapid and flexible product modelling, order capture and execution to be applied in different kinds of organizations like Financial, Telecom, Sales and Retail. Those can benefit from lowered time-to-maket for new products and promotions as well as lower IT costs due to simplifying and streamlining product managment.

The presentation will be attractive for banks, insurance companies, telecoms and retailers and will incorporate following main areas:

- Generic overview

- Industry specifics - The great benefits of using Siebel Order management in various industries (banking, insurance, telecom)

- Flexible product modelling and advanced pricing - Model and market complex new products rapidly using Siebel's Customizable Products and Dynamic Configurator functionality. Utilize advanced attribute-based pricing.

- Rapid promotion modelling - Defining promotion rules to enable instant promotion availability

- Integration aspects - How to enable rapid product go-to-market using universal extensible integration layer

- open discussion

Speaker:

Georgi has gathered rich experience as a CRM consultant and architect during numerous implementations in Bulgaria and abroad for customers in the banking, telecom, insurance and retail industries. Currently Georgi is leading the Bulgarian CRM division at Oracle. Georgi is also part of Oracle's regional team of solution architects.

Joze Senegacnik, Cost Based Optimizer Fallacies Caused By Application Design

Cost Based Optimizer Fallacies Caused By Application Design

Joze Senegacnik, Oracle ACE Director ♠ , DB Prof

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

Abstract:

In the application development people are sometimes using features available in the database, but are not aware of the problems that they cause to cost based optimizer when they either misuse the feature or don't provide additional information which would enable the CBO to properly determine the cost of execution and then choose the optimal execution plan. We will walk through several cases of such misuse which I have encountered during performance troubleshooting at different sites.

Speaker:

Jože Senegacnik has more than 23 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). He was awarded Oracle ACE and Oracle ACE Director membership for his long record of positive contributions to the Oracle community.

Joze Senegacnik, Mutexes And Changes in Library Cache

Mutexes And Changes in Library Cache

Joze Senegacnik, Oracle ACE Director ♠ , DB Prof

Conference session, 🇬🇧, DBA, Experienced

Abstract:

In latest versions of Oracle database the most of the latches was replaced with mutexes. Mutexes are cheaper in terms of system resources used and should resolve some of the most critical problems which were results of latch contention in past. We will discuss the mutexes in general and especially in relation to the library cache (V$SQL and related SGA structures). In recent versions of the database Oracle has changed some of the underlying structures in SGA which are related to the library cache so an update how to properly use them is required.

Speaker:

Jože Senegacnik has more than 23 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.

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Kuassi Mensah, Net Services - Best Practices for Performance, Scalability & High Availability

Net Services - Best Practices for Performance, Scalability & High Availability

Kuassi Mensah, Director, Product Management, ORACLE

Conference session, 🇬🇧, DBA, Experts

Abstract:

What do database listener, dedicated servers, shared servers, pooled servers, connection manager, instance registration, Data Guard, Streams, AQ notifications, and clusterware all have in common? Oracle Net Services.

It provides a secure, scalable, and easy-to-use high-availability network connectivity infrastructure for your Oracle database environment. Net Services encompasses virtually all areas of Oracle database, hence its performance and efficiency have a profound impact on your database performance and availability.

In this session, you will learn the best practices for deploying, managing, performance-tuning, and troubleshooting Oracle Net Services directly from Oracle Development..

Speaker:

Kuassi Mensah is Director of Product Management, for Oracle Data Access Services including Net Services, Java in the database, JDBC, C/C++, PHP, Ruby, Python and Perl.
Mr Mensah holds a MS and post graduate in Computer Sciences from the Programming Institute of University of Paris VI. He is is a frequent speaker at IT events and has published several articles and a book http://www.amazon.com/exec/obidos/ASIN/1555583296
Blog http://db360.blogspot.com .

Kuassi Mensah, Optimize Java persistence, Failover & Scale database access with JDBC and UCP

Optimize Java persistence, Failover & Scale database access with JDBC and UCP
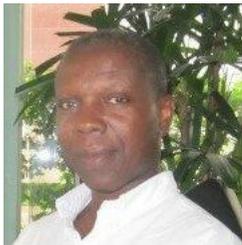
Kuassi Mensah, Director, Product Management, ORACLE

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

Abstract:

Oracle database 11g furnishes a wealth of enterprise functionalities including including: SecureLOB, LOB PreFetching, Zero-Copy LOB, Query Result Cache, Advanced Security Options, Query Change Notification, Fast Application Notification, Load Balancing Advisories, and so on -- that Java developers can take advantage of for building fast, scalable and reliable Java applications.

In this session, Java and database developers will learn programming techniques for optimizing Java persistence and data traffic, implementing consistent ResutSet caching, upgrading and patching 24 x 7 Java applications online, scaling and failing over connections in RAC and Data Guard environments, implementing transaction and web session affinity.

Speaker:

Kuassi Mensah is Director of Product Management, for Oracle Data Access Services including Net Services, Java in the database, JDBC, C/C++, PHP, Ruby, Python and Perl.
Mr Mensah holds a MS and post graduate in Computer Sciences from the Programming Institute of University of Paris VI. He is is a frequent speaker at IT events and has published several articles and a book http://www.amazon.com/exec/obidos/ASIN/1555583296
Blog http://db360.blogspot.com .

Kuassi Mensah, Oracle In-database Hadoop: When MapReduce Meets RDBMS

Oracle In-database Hadoop: When MapReduce Meets RDBMS

Kuassi Mensah, Director, Product Management, ORACLE

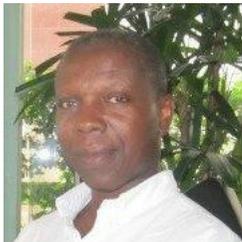*Conference session,* 🇬🇧, DB , All levels

Abstract:

The MapReduce programming model lets developers without experience with parallel and distributed systems utilize the resources of a large, multi-CPU system. The Oracle RDBMS has had support for the MapReduce paradigm for years through SQL analytics, user defined pipelined table functions and aggregation objects. The Apache Hadoop implements the MapReduce model.

In this session, we describe a prototype of Oracle in-database Hadoop implementation which leverages the Java VM in the database, pipelined table functions, parallel execution mechanisms, PL/SQL, SQL and lets you run Hadoop compatible applications written in Java directly in the database.

The major advantages of our implementation include:

(1) source compatibility with Hadoop,

(2) minimal dependency on the Apache Hadoop infrastructure,

(3) seamless integration of MapReduce functionality in Oracle SQL

(4) better parallelism and efficiency due to data pipelining (i.e., table functions) and no intermediate materialization..

Speaker:

Kuassi Mensah is Director of Product Management, for Oracle Data Access Services including Net Services, Java in the database, JDBC, C/C++, PHP, Ruby, Python and Perl.
Mr Mensah holds a MS and post graduate in Computer Sciences from the Programming Institute of University of Paris VI. He is is a frequent speaker at IT events and has published several articles and a book http://www.amazon.com/exec/obidos/ASIN/1555583296
Blog http://db360.blogspot.com .

Mihail Stoynov, Developing secure applications

Developing secure applications

Mihail Stoynov, Consultant, Berggi Inc

Conference session, **,** DEV **,** Experts

Abstract:

Amazing programmers traditionally highlight themselves by the elegance, clarity, and reliability of their code. Now these have been joined by security. Clients demands create an immediate response from developers, "Where can I learn what is meant by secure coding?"

In this presentation examples of possible attacks would include cross-site request forgery (CSRF), SQL injection, HTTP response splitting, Parameter manipulation, session hijacking, session fixation.

Speaker:

Mihail Stoynov is a professional software developer, consultant and lecturer, his experience spans for nearly 10 years.

Throughout his professional career Mihail gathered serious expertise working at the foreign offices for companies like HP and Siemens.

He has been a guest lecturer at some of the notable universities in Bulgaria, participated in a lot of seminars and led a few technical trainings. He's also the co-author of a couple of books on software development.

Blog: http://mihail.stoynov.com/ .

Nikolay Manchev, Building a failover database for 11g Standard Edition

Building a failover database for 11g Standard Edition

Nikolay Manchev, Oracle ACE ♠ , Oracle consultant

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

Abstract:

In this session we will discuss how to configure a remote, failover database when Oracle Data Guard is not an option (using only SE databases).

Speaker:

Nikolay Manchev is a freelance consultant with strong background in Oracle Database (OCP - 10g & 11g, Oracle ACE), Java (SCJP) and virtualization (VCP, LPIC-1). He is also part-time lecturer on different technical subjects in the biggest state universities in Bulgaria – University of Sofia and University of Plovdiv. He is teaching courses on J2EE, Oracle Database, Information theory, Quality code construction and others. Nikolay is also regularly presenting on annual events of the Bulgarian Oracle User Group, seminars organized by Oracle Bulgaria, IDG and others. He is Honored Member of the Bulgarian Association of Software Developers and author of the book Security in Oracle Database 10g & 11g.

Universal Approach to Data Quality with Oracle Enterprise Data Quality

Ozgur Yigit, Sales Manager, ORACLE

Demonstration, 🇬🇧, MDW, *All levels*

Abstract:

Why Bother With Data Quality?
"Fit for Purpose" – Measuring & Assuring High DQ
A Business Case
Enterprise Data Quality – Product Overview
Enterprise Data Quality – Demo.

Speaker:

Industrial Engineer with a master degree of Engineering Management. Has Oracle experience over 11 years in companies such as Ernst&Young Consulting, Accenture, Experteam Consulting and finally Oracle. Has also competitive experience working for IBM. Currently works as Data Integration Solutions Sales Manager in Oracle. Data Integration Solutions consist of products such as Oracle Data Integrator, Oracle GoldenGate, Oracle Active Data Guard and Enterprise Data Quality.

Panteley Davidov, Changing the Game by Simplified IT

Changing the Game by Simplified IT

Panteley Davidov, Vice President Engineered Systems Solutions EMEA, ORACLE

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

Abstract:

With more than 380,000 customers—including 100 of the Fortune 100— and with deployments across a wide variety of industries in more than 145 countries around the globe, Oracle offers an optimized and fully integrated stack of business hardware and software systems. Oracle engineers hardware and
software to work together in the cloud and in your data center—from servers and storage, to database and middleware, through applications.

For customers needing modular solutions, Oracle's open architecture and multiple operating-system options also give customers unmatched benefits from best-of-breed
products in every layer of the stack, allowing them to build the best infrastructure for their enterprise.

Speaker:

Panteley Davidov - Vice President EMEA Engineered Solutions, has more than 25 years of experience in working with Oracle products.

Before starting at Oracle Panteley worked as a sofware engineer in Sofia (ZIIT & ITKR).

Roel Hartman, 5 Cool things you can do with HTML5

5 Cool things you can do with HTML5

Roel Hartman, Oracle ACE Director 🔶 *, Lead Technical Architect Oracle, Logica*

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

Abstract:

There is a buzz going around about HTML5. What is it exactly? And can we use it now? What are the benefits in an APEX environment?
This presentation will answer these questions and contain some nice demo's using the new HTML5 features.

Speaker:

Roel is a very experienced Oracle Software Architect. He started about 20 years ago using Oracle RDBMS 5, Oracle Forms 2.3, RPT/RPF and Oracle*Case 4.5 - since then he used all versions of these products. Since a few years he focuses mainly on Oracle Application Express.
Working for Logica, he has acted as a (technical) lead in numerous projects using Designer, Developer, PL/SQL and APEX.
Roel has been a speaker on UKOUG, OOW, Collaborate and ODTUG. He is an active participant of the Oracle APEX Forum and keeps an (APEX-related) blog on http://roelhartman.blogspot.com. In June 2009 Roel received an Oracle ACE award and in August 2010 he's appointed as Oracle ACE Director. Roel is a co-writer of the "Expert Oracle Application Express" book.

Roel Hartman, Done in 60 seconds - Creating Web 2.0 Applications made easy

Done in 60 seconds - Creating Web 2.0 Applications made easy

Roel Hartman, Oracle ACE Director ♠ , Lead Technical Architect Oracle, Logica

Conference session, 🇬🇧, DEV , All levels

Abstract:

Dynamic Actions is the most striking new feauture of APEX 4.0. In this session you will learn how to using this new feature will speed up the development of your Web 2.0 enabled APEX applications tremendously.
And of course the main part of this presentation will be live demo!

Speaker:

Roel is a very experienced Oracle Software Architect. He started about 20 years ago using Oracle RDBMS 5, Oracle Forms 2.3, RPT/RPF and Oracle*Case 4.5 - since then he used all versions of these products. Since a few years he focuses mainly on Oracle Application Express.
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Roel Hartman, Striving for Perfection: The Ultimate APEX Application Architecture

Striving for Perfection: The Ultimate APEX Application Architecture

Roel Hartman, Oracle ACE Director ♠ *, Lead Technical Architect Oracle, Logica*

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

Abstract:

APEX supports a flexible architecture. That means that there are multiple ways of solving problems like: separation of data and logic, security issues, re-use, including javascript and CSS, etc. etc.

In this session I'll give the pro's and cons of each available option. As this is aimed to be an interactive session, the attendees are encouraged to put forward their own ideas - and concerns. So, maybe, in the end, we'll reach the "Ultimate APEX Application Architecture"!

Speaker:

Roel is a very experienced Oracle Software Architect. He started about 20 years ago using Oracle RDBMS 5, Oracle Forms 2.3, RPT/RPF and Oracle*Case 4.5 - since then he used all versions of these products. Since a few years he focuses mainly on Oracle Application Express.
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Roel has been a speaker on UKOUG, OOW, Collaborate and ODTUG. He is an active participant of the Oracle APEX Forum and keeps an (APEX-related) blog on http://roelhartman.blogspot.com. In June 2009 Roel received an Oracle ACE award and in August 2010 he's appointed as Oracle ACE Director. Roel is a co-writer of the "Expert Oracle Application Express" book.

Thomas Kyte, Five Things You Probably Didn't Know About PL/SQL

Five Things You Probably Didn't Know About PL/SQL

Thomas Kyte, Senior Technical Architect, ORACLE

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

Abstract:

PL/SQL turns 24 years old this year—it was first introduced in 1988 with Oracle6 Database. This session looks at five technical things about PL/SQL you probably did not know: under-the-covers features that make PL/SQL quite simply the most efficient language with which to process data in the database.

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 Programing (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, Five Things You Probably Didn't Know About SQL

Five Things You Probably Didn't Know About SQL

Thomas Kyte, Senior Technical Architect, ORACLE

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

Abstract:

SQL is an extremely powerful language these days. It offers set-based processing, iteration, and recursion. In short, it has many of the qualities of a procedural language and a declarative language. This session explores five things you probably didn't know about SQL.

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 Programing (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, The Best Way

The Best Way

Thomas Kyte, Senior Technical Architect, ORACLE

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

Abstract:

Today there are many ways to do the same thing—sometimes it seems there are an infinite number of ways to accomplish something via software. Oracle's "Ask Tom" technology expert, columnist, and author takes a look at best practices, rules of thumb, and frameworks and discusses their promise and their shortcomings. Gain insights on what developers have done in the past and how that forms the basis for how they will do things going forward—which is both good and bad.

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 Programing (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.

Trayan Iliev, Building Mobile Web Applications using HTML5, JavaScript and JAX-RS (REST)

Building Mobile Web Applications using HTML5, JavaScript and JAX-RS (REST)

Trayan Iliev, CEO, IPT - Intellectual Products & Technologies

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

Abstract:

HTML 5, CSS 3 and JavaScript™ became a popular alternative to build mobile and desktop application clients using W3C open standards instead of native or proprietary technologies/ APIs. Advantages of this approach include platform independence, accessibility (no need for installation), visually rich and attractive UI using HTML 5 canvas, audio and video elements.

When combined with RESTful services and JavaScript Object Notation (JSON) this allows to build highly scalable stateless server side applications with rich JS clients. Java™ EE 6 provides easy and standard way to build RESTful web services using Java API for RESTful Web Services (JAX-RS). We can choose between several JAX-RS implementations like Glassfish Jersey Java EE 6 reference implementation or Apache CXF. Combined with Java Architecture for XML Binding (JAXB) standard JSON/ XML mapping annotations we can easily build multilayer business applications with minimum of coding.

The presentation is intended as tutorial and demonstration of this cross-platform approach to building mobile applications. It starts with brief introduction to REpresentational State Transfer (REST) and Web Application Description Language (WADL). After that it presents details of building RESTful web services using JAX-RS, JAXB and JPA APIs and standard annotations, deploying them on application server, object serialization using JSON and Jackson, asynchronous consuming of the service using AJAX requests and interactive visualization using HTML 5 and JavaScript in the web browser.

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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/).