# Sessions and Speakers

## Autumn 2015 Conference
**November 20th – 22nd, 2015, Pravets**

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# Angelo Castriotta, From OWB to ODI fast and safe with D&T semi-automated converter

*From OWB to ODI fast and safe with D&T semi-automated converter*

*Angelo Castriotta, ODI & OWB Specialist Consultant, Database & Technology S.r.l.*

*Conference session,* 🇬🇧 *,* 🔲 *,* Experienced

*Abstract:*

The OWB2ODI Converter developed by the Italian company Database & Technology S.R.L. is a semi-automatic tool.

It speeds up significantly the migration process. The conversion can be done either on-site at the customer or remotely, starting from export of the OWB project.

OWB2ODI converter service works for ALL the OWB (v. 9.2 or higher) and ODI (v. 10g or higher - up to v. 12c) releases and does the whole migration, not only part of it.

The Converter acquires OWB repository's metadata and it generates the corresponding ODI repository. Algorithms in OWB are transferred in ODI and OWB operators are transformed in corresponding ODI operators.

For having developed this migration tool, D&T have been referenced by Oracle Corporation itself.

The Bulgarian IT company B.A.A.E.R. Ltd. is OWB2ODI Converter exclusive sales representative for the Balkans and Russia.

*Speaker:*



My professional experience has been very wide. For IBM I started to work on the DB2 subsystem on z/OS and DB2 on distributed platforms as part of specialist support in Italy and South Region - Spain, Greece etc.
In the same way in BPM / DPCS I improved myself in z/OS system in areas such as: Management and Allocation and VSAM Dataset - Create and modify JCL, techniques and controls used for the implementation of the SMP DB2 maintenance, etc. I also improved my knowledge of DB2 on distributed systems and gained experience and techniques for the management, maintenance and tuning of these systems (Project Management System for Distributed RDBMS).
In Generali / KUBE Partners I acquired knowledge as a developer of other RDBMS like MySQL, Oracle 10g R2 and TOAD for Oracle as an indispensable tool.  As part of the BI and DWH I have acquired an excellent knowledge of the ETL tool Oracle Warehouse Builder 10g Release 2 coming in contact with all aspects of a DWH project.
In D&T now I got involved in the development of OWB2ODI Converter. The Converter includes a set of technologies that include naturally the good knowledge of both OWB and ODI product. The other technologies involved include Java, TCL, OMBPlus, Jython, Oracle, PLSQL, Ant and some programming techniques like recursion and knowledge about graphs and trees.

# Bryn Llewellyn, Jonathan Lewis, Transforming one table to another: SQL or PL/SQL?

*Transforming one table to another: SQL or PL/SQL?*

*Bryn Llewellyn, Distinguished Product Manager, ORACLE*

*Jonathan Lewis, Oracle ACE director, OAK Table, Independent Oracle consultant, JL Computer Consultancy*

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

*Abstract:*

You've heard the mantra "If you can do in SQL, do so; only if you can't, do it PL/SQL". Really? Always? What if you want to compute non-overlapping RowID ranges that completely span a table. An exact solution is trivial; but it's too slow for a table of typical size. Approximate solutions, using only SQL, are posted on the Internet. But they impose limitations, and leave generalization to the reader -- and there's more to the generalization than meets the eye.

This session examines some alternative general solutions. Some use only SQL; some combine SQL and PL/SQL. All pass the same correctness tests; all have comparable performance. Choosing one therefore reflects some rather subtle, subjective, considerations. I use the vehicle of making the choice to discuss issues of best practice – both SQL versus PL/SQL, and within PL/SQL. You can guess what I'd prefer. Your choice might be different. and I will welcome debate.

*Speaker:*



Bryn has worked in the software field for more than 30 years. He joined Oracle UK in 1990, at the European Development Center, to work in the Oracle Designer team. He transferred to the Oracle Text team and then into Consulting as the Text specialist for Europe. He relocated to Redwood Shores in 1996 to join the Oracle Text Technical Marketing Group. He has been the Product Manager for PL/SQL since 2001. In 2005, he took on the additional product management responsibility for the Oracle Database capabilities that support online application upgrade. (The main one of these is called edition-based redefinition – EBR for short.) It's hard for Bryn to remember his life before Oracle. He started off doing image analysis and pattern recognition at Oxford University (programming in FORTRAN) and then worked in Oslo, first at the Norwegian Computing Center and then and in a startup. In Norway, Bryn programmed in Simula (its inventors were his close colleagues). This language is recognized the first object-oriented programming language and was the inspiration for Smalltalk and C++.

# Bryn Llewellyn, Why use PL/SQL?

*Why use PL/SQL?*

*Bryn Llewellyn,  Distinguished Product Manager, ORACLE*

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

*Abstract:*

The success of any serious software system depends critically on adhering to the principles of modular decomposition – principles that are as old as computer science itself. A module encapsulates a coherent set of functionality, exposing it using an interface that exactly maps the functions it supports, and scrupulously hiding all implementation details. No-one would dream of challenging these notions – unless one of the major modules is a relational database!
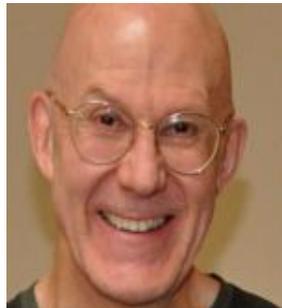
The structure of the tables, the rules that constrain their rows, and the SQL statements that read and change the rows are the implementation details. And Oracle Database provides PL/SQL subprograms to express the interface.

Yet many customers avoid stored procedures. They claim that PL/SQL in the database can't be patched without unacceptable downtime; that the datatypes for passing row sets between the client-side code and the database PL/SQL are cumbersome to use and bring performance problems; and that it's impractical to give each developer a private sandbox within which to make changes to database PL/SQL. These notions are myths; they are no less defensible than the myth that technology whose name doesn't start with "J" or "No" is too old-fashioned to be useful.

Customers who do hide their SQL behind a PL/SQL interface are happy with the correctness, maintainability, security, and performance of their applications. Ironically, customers who follow the NoPlsql religion suffer in each of these areas.

This session provides PL/SQL devotees with unassailable arguments to defend their beliefs against attacks from skeptics. I hope that skeptics who attend will experience an epiphany.

*Speaker:*



Bryn has worked in the software field for more than 30 years. He joined Oracle UK in 1990, at the European Development Center, to work in the Oracle Designer team. He transferred to the Oracle Text team and then into Consulting as the Text specialist for Europe. He relocated to Redwood Shores in 1996 to join the Oracle Text Technical Marketing Group. He has been the Product Manager for PL/SQL since 2001. In 2005, he took on the additional product management responsibility for the Oracle Database capabilities that support online application upgrade. (The main one of these is called edition-based redefinition – EBR for short.) It's hard for Bryn to remember his life before Oracle. He started off doing image analysis and pattern recognition at Oxford University (programming in FORTRAN) and then worked in Oslo, first at the Norwegian Computing Center and then and in a startup. In Norway, Bryn programmed in Simula (its inventors were his close colleagues). This language is recognized the first object-oriented programming language and was the inspiration for Smalltalk and C++.

# Emre Baransel, Best Practices for Exadata Maximum Availability

*Best Practices for Exadata Maximum Availability*

*Emre Baransel,  Principal Advanced Support Engineer, ORACLE*

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

*Abstract:*

A few years ago, Exadata was a future technology for an Oracle dba. Now knowledge on Exadata is either a must for an Oracle dba or one of the lines in his/her "To Do" list. In this manner, top things you must know about Exadata are: how to make use of its performance features  & how to keep it maximum available. In this session you will learn the built in high availability features of Exadata including hardware, server and storage redundancy. The important availability considerations in the first installation of the Database Machine will be discussed. We will cover the options to backup an Exadata Database and also disaster recovery solutions. Recommendations of Oracle's "Maximum Availability Architecture" in all these areas will be the underlined sentences.

*Speaker:*

- Oracle Employee ACE (Awarded as an Oracle ACE in 2012 before joining Oracle Corp.)
- Founding Member of the TROUG (Turkish Oracle User Group).
- Authored the Data Guard 11gR2 Administration book, published by Packt Publishing and contributed to Oracle RMAN 11g Backup & Recovery book, published by Oracle Press.
- Spoke at Oracle Open World (USA) and User Group conferences across of Europe.
- Blogger at emrebaransel.blogspot.com
- Oracle Certified Professional (OCP)
- Worked for Turk Telekom , the leading telecom operator in Turkey, for 5 years; for Turkcell, the leader GSM operator of Turkey and third in Europe, for 3 years. Currently working as a Principal Advanced Support Engineer at Oracle Corp.
- Specialized in high availability & disaster recovery solutions, database performance tuning and Exadata Database Machine.

# Georgi Kodinov, JSON support in MySQL 5.7

*JSON support in MySQL 5.7*

*Georgi Kodinov,  Senior Software Development Manager, ORACLE*

*Conference session,* 🇬🇧 , DB , *Intermediate*

*Abstract:*

MySQL 5.7 adds interesting new ways to handle JSON data. We'll dive into them and try to understand practical implications of these new features to storing and retrieving JOSN data.

*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.

# Gokhan Atil, Jump into the EMCLI: A Crash Course for EM12c Administrators

*Jump into the EMCLI: A Crash Course for EM12c Administrators*
*Gokhan Atil, OCP, Oracle ACE, DBA Team Lead, Bilyoner.com*

*Conference session,* 🇬🇧 *,* ⒸⓈ *,* *All Levels*

*Abstract:*

Oracle Enterprise Manager Command Line Interface (EMCLI) enables users to access Oracle Enterprise Manager Cloud Control (EM12c) functionality from text-based consoles (shells and command-line windows. Using EMCLI, it's also possible to integrate EM12c functionality to various, self written scripts. In this session, I will explain when we may prefer to use EMCLI, how we can install and use it, most commonly used verbs and important tips and tricks about writing EMCLI scripts with python. I will also share sample EMCLI scripts to demonstrate its capabilities.

This is a technical session and it aims users who are familiar with EM12c.

*Speaker:*

Gokhan Atil has been working in IT more than 15 years. He's an Oracle Certified Professional for Oracle Database 10g and 11g, and he has hands-on experience with Oracle 11g/10g/9i/8i. He is vice president and founding member of Turkish Oracle User Group (TROUG). He's co-author of "Expert Oracle Enterprise Manager 12c" book, published by Apress.
He has written and presented papers at various conferences. He was honored with Oracle ACE award in 2011. He has a blog since 2008: http://www.gokhanatil.com

# Gurcan Orhan, Best Practices with ODI : Flexibility

*Best Practices with ODI : Flexibility*

*Gurcan Orhan, Oracle ACE director, Senior Manager, Deloitte Consulting - Turkey*

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

*Abstract:*

Oracle Data Integrator (ODI) seems to be slow when it is installed out-of-the-box, since it has to comply with different versions of the databases and operating systems. The default installation is generally not the optimal choice. ODI is a flexible product, that can be customized for specific requirements and to implement new features of the database or operating systems. Attendees will learn how to easily create a customized ODI environment.

This presentation will demonstrate the flexibility of the Knowledge Module, configuration best practices and the best query response time tips and techniques depending on complex business requirements. It will include information about how to load an extensive number of files quickly with a special algorithm, as well as how to define new customized data types, analytical and database functions, archiving ODI logs in a timely fashion and using Oracle HINTS in a variabled and static way due to business and IT needs.

*Speaker:*

Working as Information Management & Technology Senior Manager in Deloitte, Turkey. Awarded Oracle Excellence Awards, Technologist of the Year 2011 : Enterprise Architect as well as ACE Director for Business Intelligence expertise. Experienced mostly on data warehouse architecture and ETL/ELT development. He has been working with database systems since 1994 and developed his first data warehouse in 2003 with Oracle 6i. He has used almost well known DBMS systems, modelling, ETL and BI tools, but experienced mainly on Oracle Data Integrator as a data integration tool. He's one of the board member of TROUG (Turkish Oracle User Group) and Chairman of BI&DWH SIG as well as having membership in various Oracle User Groups.

# Gurcan Orhan, How to solve complex business requirements with Oracle Data Integrator?

*How to solve complex business requirements with Oracle Data Integrator?*
*Gurcan Orhan, Oracle ACE director, Senior Manager, Deloitte Consulting - Turkey*

*Conference session,* 🇬🇧 *,* BI *, Intermediate*

*Abstract:*

Business requirements are always hard to implement, develop, operate and always changeable. In this session attendees will have some fact examples of turning unstructured data into structural meaning, writing complex queries without typing anything, adding function based joins, implementing CTAS (Create Table As Select) and IAS (Insert As Select) methods and simplifying business rules, writing optimized queries to decrease operational and development costs as well as the faster loads. In this session hear how you can solve some of complex business requirements with Oracle Data Integrator's flexibility and ease of usage features.

*Speaker:*



Working as Information Management & Technology Senior Manager in Deloitte, Turkey. Awarded Oracle Excellence Awards, Technologist of the Year 2011 : Enterprise Architect as well as ACE Director for Business Intelligence expertise. Experienced mostly on data warehouse architecture and ETL/ELT development. He has been working with database systems since 1994 and developed his first data warehouse in 2003 with Oracle 6i. He has used almost well known DBMS systems, modelling, ETL and BI tools, but experienced mainly on Oracle Data Integrator as a data integration tool. He's one of the board member of TROUG (Turkish Oracle User Group) and Chairman of BI&DWH SIG as well as having membership in various Oracle User Groups.

# Gurcan Orhan, Migration steps from OWB to ODI

*Migration steps from OWB to ODI*

*Gurcan Orhan, Oracle ACE director, Senior Manager, Deloitte Consulting - Turkey*

*Conference session,* 🇬🇧 *, BI , Intermediate*

*Abstract:*

It is the fact that Oracle Warehouse Builder (OWB) released the latest major version and final state. But business requirements are rapidly increasing. New applications are implemented in source systems and as a result new reports and new subject areas are needed urgently. It is needed to implement new features for growing business needs into our data warehouses. Resources are limited and conversion should be done as soon as possible.

In this session, hear the most convenient methods to migrate from Oracle Warehouse Builder to Oracle Data Integrator with agile methodology without interrupting on going daily jobs as well as understanding of Oracle's OWB2ODI migration utility.

*Speaker:*



Working as Information Management & Technology Senior Manager in Deloitte, Turkey. Awarded Oracle Excellence Awards, Technologist of the Year 2011 : Enterprise Architect as well as ACE Director for Business Intelligence expertise. Experienced mostly on data warehouse architecture and ETL/ELT development. He has been working with database systems since 1994 and developed his first data warehouse in 2003 with Oracle 6i. He has used almost well known DBMS systems, modelling, ETL and BI tools, but experienced mainly on Oracle Data Integrator as a data integration tool. He's one of the board member of TROUG (Turkish Oracle User Group) and Chairman of BI&DWH SIG as well as having membership in various Oracle User Groups.

# Heli Helskyaho,  What's New in Oracle SQL Developer Data Modeler

*What's New in Oracle SQL Developer Data Modeler*

*Heli Helskyaho, Oracle ACE director, CEO, Miracle Finland*

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

*Abstract:*

In this presentation you will hear what is new in the latest release of Data Modeler.

You will also learn some older features that are very useful but you might not be aware of them.

This presentation includes both technical information about the features in the product and practical advice on how to use those features.

*Speaker:*

Heli Helskyaho holds a Master's degree (Computer Science) in Helsinki University and she is specialized on databases. Heli is also an Oracle ACE Director and a frequent speaker in many conferences. She has been working on IT since 1990 and with Oracle products since 1993. She has been in several positions but every role has always included database design. Heli has been an Oracle Designer user since 1996 and a Data Modeler user since 2010. Heli is the CEO for Miracle Finland Oy and the author of Oracle SQL Developer Data Modeler for Database Design Mastery (McGraw-Hill, Oracle Press, 2015). Heli believes that good database design and good documentation reduces performance problems and makes solving them easier.

# Heli Helskyaho, Managing the changes in database structures

*Managing the changes in database structures*

*Heli Helskyaho, Oracle ACE director, CEO, Miracle Finland*

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

*Abstract:*

To be able to be agile with the changes in database structures you need a tool. Oracle SQL Developer Data Modeler is a free to use tool that can be used for designing different kinds of databases, not just Oracle.

The tool is integrated to Subversion to enable the versioning of data structures. The tool also supports reverse engineering to offer the possibility to reverse engineer a database structures to the tool. While the design is in place the tool offers several possibilities for comparing two designs or comparing a design and a database. In this session you will get answers to these questions: How do they work and when to use which? Can I get the ALTER clauses to get my database at the same level with a design? What are the differences on version 3.5 of my database design compared to version 1.7? And many more...

*Speaker:*

Heli Helskyaho holds a Master's degree (Computer Science) in Helsinki University and she is specialized on databases. Heli is also an Oracle ACE Director and a frequent speaker in many conferences. She has been working on IT since 1990 and with Oracle products since 1993. She has been in several positions but every role has always included database design. Heli has been an Oracle Designer user since 1996 and a Data Modeler user since 2010. Heli is the CEO for Miracle Finland Oy and the author of Oracle SQL Developer Data Modeler for Database Design Mastery (McGraw-Hill, Oracle Press, 2015). Heli believes that good database design and good documentation reduces performance problems and makes solving them easier.

# Horia Berca, Adaptive Query Optimizations in 12c - worry less, smile more

**_Adaptive Query Optimizations in 12c - worry less, smile more_**

**_Horia Berca, OCP, Senior Technology Presales Consultant, Oracle Romania_**

**_Conference session, 🇬🇧, DBA , All Levels_**

**_Abstract:_**

Adaptive Query Optimization is one of the greatest changes in the optimizer of Oracle Database 12c.

In this session we'll be looking at the two distinct aspects in Adaptive Query Optimizations:

- Adaptive Plans

- Adaptive Statistics

We'll look at examples, how to control it and what to be aware of

**_Speaker:_**
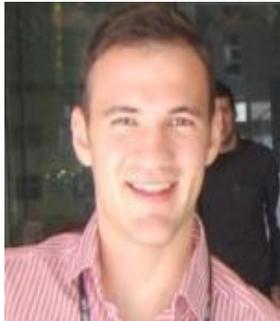


Oracle RDBMS engineer since 2005.
Started as PL/SQL Developer, soon after made the transition to Performance Engineer and then to Production DBA.
Currently Core Technology Presales Consultant with Oracle Corp.
Oracle Certified Expert - Oracle Database 11g Performance Tuning
Oracle Certified Professional - Oracle Database 11g Administrator
Twitter: https://twitter.com/horiaberca
Linkedin: ro.linkedin.com/pub/horia-berca/11/bb8/a04/

# Horia Berca, Tuning capabilities in SQL Developer - performance in the hands of the beholder

*Tuning capabilities in SQL Developer - performance in the hands of the beholder*
*Horia Berca, OCP, Senior Technology Presales Consultant, Oracle Romania*

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

*Abstract:*

SQL Developer is growing at a fast pace and development community (but not limited) needs to be aware of all the goodies it has to offer.

This session will give details of many of the capabilities introduced in SQL Developer that help tuning and monitoring your code: Real Time SQL Monitoring, Autotrace Hot Spots, SQL Tuning Advisor Tasks.

*Speaker:*
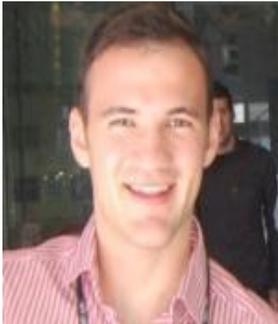
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Twitter: https://twitter.com/horiaberca
Linkedin: ro.linkedin.com/pub/horia-berca/11/bb8/a04/

# Jagan Athreya, Maximize Performance, Optimize Resource Usage and Minimize Downtime with Oracle IT Analytics

*Maximize Performance, Optimize Resource Usage and Minimize Downtime with Oracle IT Analytics*

*Jagan Athreya, Senior Director, IT Analytics, ORACLE*

*Conference session,* 🇬🇧 *,* Ⓒ️Ⓢ️ *,* *All Levels*

*Abstract:*

Traditional IT tools used for monitoring and management are not designed to meet the strategic needs of businesses, such as, analyzing the impact of an acquisition or preparing for the launch of a new product. Oracle IT Analytics Cloud Service, the next-generation management solution built on a unified data platform, addresses these needs by using sophisticated algorithms and rich visualization tools to plan for capacity based on real workloads and identify and remediate common problems across databases and application servers.

*Speaker:*



Jagan Athreya is Senior Director of Product Management at Oracle where he directs product strategy for the Oracle Management Cloud. Prior to Oracle, Mr. Athreya ran product management at venture-backed enterprise cloud services startups where he developed and launched the developer programs, hired the executive team and raised venture capital in equity funding rounds. He started his career at Oracle advising customers on deploying high performance Oracle databases. Jagan has an MBA from Wharton School and has studied electrical engineering at Dartmouth College and Indian Institute of Technology, Madras.

# Joel Goodman, Managing Sequences in a RAC Environment

*Managing Sequences in a RAC Environment*

*Joel Goodman, OCP, OCM, OAK Table, OCM, Oak Table; Global Technical Lead, Database Certifications, ORACLE*

*Conference session,* 🇬🇧*, DBA ,* Intermediate

### Abstract:

This Oracle University Mini-Lesson will discuss the creation, management and monitoring of Sequences in a RAC database and contrast this with sequences in a single instance Oracle

database. The lesson will cover both application and Oracle managed sequences, various sequence options, sequences and performance considerations and migration issues for applications using sequences that are moved from single instance to RAC databases.

### Speaker:

Joel Goodman has been in the computing industry for 39 years after obtaining his degree in Computer Information Sciences. He has 21 years experience with Oracle DBA technology in support, consulting and training. He is the Global Technical Lead for Database Certifications and he speaks on a variety of advanced DBA topics. Joel is responsible for all DBA OCA, OCP, OCE and OCM exam content.He is a regular speaker at various EMEA Oracle conferences and a member of the Oak Table network of Oracle DBA professionals.  He also assists OU Curriculum Development as a Subject Matter Experts providing design advice and Quality Assurance during course development.

# Joel Goodman, Oracle Storage Fragmentation

*Oracle Storage Fragmentation*

*Joel Goodman, OCP, OCM, OAK Table, OCM, Oak Table; Global Technical Lead, Database Certifications, ORACLE*

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

*Abstract:*

This Oracle University Mini-Lesson begins by discusing the causes of Fragmentation in Tablespaces, Tables and Indexes. For each situation it offers the means to de-fragment what is fragmented. It covers dictionary and locally managed tablespaces, Free-List and ASSM managed segments, and manual and auotmated methods for defragmentation.

*Speaker:*



Joel Goodman has been in the computing industry for 39 years after obtaining his degree in Computer Information Sciences. He has 21 years experience with Oracle DBA technology in support, consulting and training. He is the Global Technical Lead for Database Certifications and he speaks on a variety of advanced DBA topics. Joel is responsible for all DBA OCA, OCP, OCE and OCM exam content.He is a regular speaker at various EMEA Oracle conferences and a member of the Oak Table network of Oracle DBA professionals. He also assists OU Curriculum Development as a Subject Matter Experts providing design advice and Quality Assurance during course development.

# Jonathan Lewis, Calculating Join Cardinality

*Calculating Join Cardinality*

*Jonathan Lewis, Oracle ACE director, OAK Table, Independent Oracle consultant, JL Computer Consultancy*

*Conference session,* 🇬🇧, DBA, *Intermediate*

*Abstract:*

In this presentation we learn the basic mechanisms used by Oracle to calculate join cardinalities, and highlight a couple of special cases that may cause confusion when join cardinalities change as a side effect of house-keeping operations.

We start with a couple of critical "single table" models – comparing two columns in a table, and addressing the "group by" or "distinct" operations. This allows us to proceed to join calculations because any join can be considered as a cartesian join followed by a comparison of columns from a single (result) table that may, or may not require a calculation of the number of distinct values for each column.

After examining the basic join-selectivity mechanism we finally highlight two important variations that the optimizer introduces – the "multi-column sanity check" and the "index sanity check" – and point out the side effects they can produce in a purely cosmetic modification to an existing query.

This presentation assumes that the attendee is already familiar with simple single-table cardinality calculations, though we will take a little time to summarise the critical points before moving on to the more complex details. The presentation does NOT cover the complexities introduced by histograms.

*Speaker:*

Jonathan Lewis is a well-known figure in the Oracle world with more than 27 years experience using the software. He has published three books about Oracle - the most recent being "Oracle Core" published by Apress Nov 2011 - and contributed to three others. He has posted more than a thousand articles to his blog and contributes fairly regularly to newsgroups, forums, and User Group magazines and events around the world.

Jonathan has been self-employed for most of his time in the IT industry. For the last 25 years he has specialised in short-term assignments - typically of a design, review, or trouble-shooting nature - often spending no more than two or three days on a client site to address problems . He runs seminars about using Oracle all over the world and has visited more than 50 different countries (and more than a dozen US states) to talk about, or trouble-shoot, Oracle systems, but now spends more time in the UK using Internet technology to handle remote trouble-shooting assignments.

# Jonathan Lewis, My journey with Oracle

*My journey with Oracle*

*Jonathan Lewis, Oracle ACE director, OAK Table, Independent Oracle consultant, JL Computer Consultancy*

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

*Abstract:*

How I got where I am today with Oracle, and why it would be much harder to start all over again, a few entertaining stories about my experiences as a global speaker and trouble-shooter

*Speaker:*



Jonathan Lewis is a well-known figure in the Oracle world with more than 27 years experience using the software. He has published three books about Oracle - the most recent being "Oracle Core" published by Apress Nov 2011 - and contributed to three others. He has posted more than a thousand articles to his blog and contributes fairly regularly to newsgroups, forums, and User Group magazines and events around the world.
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# Jonathan Lewis, Reading Parallel Execution Plans

*Reading Parallel Execution Plans*

*Jonathan Lewis, Oracle ACE director, OAK Table, Independent Oracle consultant, JL Computer Consultancy*

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

*Abstract:*

When you read an execution plan you're probably trying to identify the steps that Oracle went through to acquire the final result set so that you can decide whether or not there is a more efficient way of getting the same result.

For a serial execution plan this typically means you have to identify the join order, join methods and access methods together with the point at which each predicate was applied. Generally this isn't too difficult although there are a few cases where the difference between join order and the order of operation can be slightly obscured.

Parallel execution plans are harder, though, because you really need to understand the impact of the order of operation, distribution mechanisms chosen, and (in recent versions of Oracle) the timing of the generation and use of Bloom filters.

In this presentation we examine the basics of how parallel execution slave work, and the way in which this can result in a massive difference between the join order of an execution plan and the order of operation of the steps of that plan. We learn about "table queues" and how they help us follow the order of operation, and how the distribution method can make a dramatic difference to performance – we also meet some hints that allow us to optimize parallel queries.

*Speaker:*

Jonathan Lewis is a well-known figure in the Oracle world with more than 27 years experience using the software. He has published three books about Oracle - the most recent being "Oracle Core" published by Apress Nov 2011 - and contributed to three others. He has posted more than a thousand articles to his blog and contributes fairly regularly to newsgroups, forums, and User Group magazines and events around the world.

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# Joze Senegacnik, Transparent Data Encryption and Data Redaction in Oracle 12c

*Transparent Data Encryption and Data Redaction in Oracle 12c*

*Joze Senegacnik, Oracle ACE director, Oracle ACE, OAK Table, Oracle ACE Director, DBProf*

*Conference session,* 🇬🇧*,* 🄳🄱🄰 *,* *All Levels*

*Abstract:*

Transparent Data Encryption (TDE) is available through Advanced Security Option (ASO) of Oracle EE.  In complex environments with multitenant architecture, Data Guard and RAC, TDE becomes more complex. In this session we will look what kind of setup should be done in order to maintain the complex environment in a simple manner and at the same time utilize the Oracle Restart, Data Guard switchovers/failovers and RAC services in the way how they were intended to be used.

In the second part of this presentation we will discuss the Data Redaction, a new feature of 12c and how one can create policies to "hide" sensitive data from users who are not supposed to see this data.

*Speaker:*



Joze Senegacnik has more than 27 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, Writing Efficient SQL Statement

*Writing Efficient SQL Statement*

*Joze Senegacnik, Oracle ACE director, Oracle ACE, OAK Table, Oracle ACE Director, DBProf*

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

*Abstract:*

:  A lot of developers think that the performance of SQL statement depends merely on the quality of execution plan prepared by the Optimizer. This is only one side of the story. The other part of the story is even more important but unfortunately frequently totally neglected. It is related to the fact how "good" the SQL statement was coded. Writing efficient SQL statement requires some knowledge about SQL language intricacies, knowledge about the underlying data model and also some facts about the Optimizer. In this presentation we will discuss the required approach for preparing efficient and performant SQL statement. Of course we will also discuss available diagnostic mechanisms which can help us when things go in the wrong direction.

*Speaker:*

Joze Senegacnik has more than 27 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.

# Julian Dontcheff, Migrating to Oracle Cloud using the Oracle Database In-Memory Advisor

*Migrating to Oracle Cloud using the Oracle Database In-Memory Advisor*

*Julian Dontcheff, OCP, OCM, Oracle ACE director, Oracle ACE, Managing Director, Accenture Global Database Lead, Accenture Enkitec Group*

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

*Abstract:*

The presentation is about best practices for how to test new Oracle options using Oracle database cloud. When a multitenant database running on premise needs to be migrated to the Oracle database cloud one should consider the performance load caused by one or more PDBs inside the container. Especially the impact of upgrading to in-memory (12.1.0.2) on the PDBs. We show how to use the in-memory advisor in order to tune the existing structures for in-memory and how to validate this on the database cloud using RAT & SQL tuning advisor.

*Speaker:*



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

# Levent Yavuz, An internal look into ASM metadata, processes and tools

*An internal look into ASM metadata, processes and tools*

*Levent Yavuz, OCP, Exatada BDE / Senior Principal Support Engineer (ACS), ORACLE*

*Conference session,* ▬ *,* 🖼 *, All Levels*

*Abstract:*

This presentation will cover ASM architecture, ASM metadata, ASM-to-ASM and ASM-to-DB instance communication with some details. It'll show how ASM code is embedded within Oracle executables in rdbms and ASM instances. The aim is to give participants a good understanding of how Oracle manages ASM processes, files, and their data in ASM and Exadata systems. It will also include a short workshop for the steps to create a fake ASM instance with plain OS files instead of real disks, then show how to use ASM internal tools like kfed, amdu etc.

The overall presentation will be  very beneficial for people interested in ASM internals and want to create ASM playgrounds easily.

*Speaker:*


Experience
Senior Principal Advanced Support Engineer
Oracle
August 2014 – Present (1 year 2 months)Ankara, Turkey
Bug, Diagnosis and Escalations Engineer
Oracle
December 1997 – August 2014 (16 years 9 months)Ankara, Turkey
BDE Engineer (ASM, Engineered Systems-Exadata)
Middle East Technical University
Computer Engineering (B.Sc.) + (MSc) 1985-1994

# Lothar Flatz, How to avoid a salted banana

*How to avoid a salted banana*

*Lothar Flatz, Oracle ACE, OAK Table, Senior Principal Consultant, BBI Software AG*

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

### Abstract:

We address a challenging issue in the context of SQL statement tuning and optimal execution plans. There is one category of queries that is very difficult to tune. These are queries with independent and not very selective search criteria on two (or more different) tables.

One prominent example is an address search when based on a person's name and a street address. These queries are characterized by a potentially high number of throw away rows. Throw away rows are retrieved, but do not make it into the final result.

The title refers to a joke - told at the beginning - that quintessentially states that you should not make an extra effort for something you are going to throw away.

We will see a patented technique describing how we can keep the effort to retrieve throw away rows at a reasonable level.

The original presentation from version 11 was enhanced to reflect new features of version 12c.

### Speaker:

Lothar Flatz started working with Oracle Database in 1989, in the days of Version 5.
He worked for Oracle Corporation for fifteen years and was a member of the Real-World Performance Group for two years.
He also holds a US Patent to improve the CBO.
He is a member of the Oak Table network of Oracle scientists, an Oracle ACE and specializes in performance tuning..

# Lothar Flatz, The middle ground in the buffer cache

*The middle ground in the buffer cache*

*Lothar Flatz, Oracle ACE, OAK Table, Senior Principal Consultant, BBI Software AG*

*Conference session,* 🇬🇧, 🔲, *All Levels*

*Abstract:*

As memory is license free, it makes sense to invest here to use your CPU more efficiently. In OLTP databases the buffer cache has a prominent role when it comes to memory consumption. However, a number of questions arises. How well is your buffer cache set up? Are there any I/O bottlenecks in your database? Can you trust the buffer cache adviser to lead you to the optimal solution? What objects should you put in the keep cache? We will try to answer these questions by focusing on tables that do not fall into either or these categories: They are cached all the time or they are aging out very soon.

In a life demo we will look into the buffer cache and observe the process.

*Speaker:*



Lothar Flatz started working with Oracle Database in 1989, in the days of Version 5.
He worked for Oracle Corporation for fifteen years and was a member of the Real-World Performance Group for two years.
He also holds a US Patent to improve the CBO.
He is a member of the Oak Table network of Oracle scientists, an Oracle ACE and specializes in performance tuning.

# Maja Veselica, Frequently Asked Questions about Masking Data in Oracle Database

*Frequently Asked Questions about Masking Data in Oracle Database*

*Maja Veselica, OCP, Oracle ACE Associate, Oracle Consultant, Parallel*

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

*Abstract:*

This technical session will mostly be in predefined Q&A format. It will help attendees to understand and learn when and how to implement different Oracle technologies for redacting sensitive data in Oracle Database 11g and 12c. Definitions of these technologies are provided below:

• Virtual Private Database (VPD) enables you to restrict access to data at row-level or column-level.

• The main purpose of Data Redaction is to provide different ways to mask sensitive data from end-users in production environments.

• Transparent Sensitive Data Protection (TSDP) provides a way to create classes of sensitive data and enables more centralized control of how sensitive data is protected.

• Oracle Data Masking enables organizations to use production data in development and test environments by changing production data with realistic data (transformation is done by using masking rules).

*Speaker:*

Maja Veselica, MSc in Software Engineering, works for Parallel d.o.o. in Belgrade, Serbia, as Oracle Consultant. She is an instructor for numerous Oracle courses and a regular speaker at Oracle User Group conferences. Maja is also an author of Oracle Database 12c Security Cookbook and has more than 20 Oracle certificates. She enjoys (beta) testing Oracle products and participating in other Oracle-related activities.

# Maria Gyurova, Three Sides of the Coin with Oracle Data Integration - ODI, OGG and EDQ

*Three Sides of the Coin with Oracle Data Integration - ODI, OGG and EDQ*

*Maria Gyurova,  Oracle BI Specialist, Peak Indicators*

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

*Abstract:*

This session is focused on the tight integration of Oracle Data Integrator 12c with Oracle GoldenGate 12c and Oracle Enterprise Data Quality 12c.

It demonstrates how Oracle GoldenGate enables Oracle Data Integrator to leverage the power of real-time data integration.

The session introduces how to set up and use Change Data Capture as well as Oracle Enterprise Data Quality jobs in Oracle Data Integrator.

Attend the session to learn how easy and valuable it is to configure the three tools work together in the real world.

*Speaker:*



Maria is an Oracle consultant with over 10 years of experience with a primary focus on Oracle Database technology and data integration products. Maria is an OCP DBA 9i, 10g, 11g and has presented at the BGOUG and SIOUG. Maria has participated in a variety of projects implementing Data Warehouse and Business Intelligence solutions through the full project life cycle. Maria is a subject matter expert in Oracle Data Integration area and is open to share the knowledge to the audience.

# Martin Widlake, PL/SQL & SQL Bulk data performance

**PL/SQL & SQL Bulk data performance**

**Martin Widlake, Oracle ACE director, OAK Table, Consultant, ORA600 Limited**

**Conference session, 🇬🇧, DEV , Intermediate**

*Abstract:*

What is the fastest way to bulk process data, SQL or PL/SQL?

What options do you have and in which situations are they best?

In this presentation I will review several ways of processing large volumes of data and what the advantages and disadvantages of them are.

*Speaker:*

Martin Widlake is an independent Oracle consultant who has been working with the database since 1992, mostly as a development DBA, database designer and performance engineer. He regularly presents on these topics, both within the UK and internationally. His an active member of the UK Oracle User Group, deputy chairing the RAC Special Interest Group and helping define the content of the annual conferences. Martin is also a member of the OakTable network and an Oracle ACE Director.

## Martin Widlake, Use of Index Organized Tables to greatly improve SQL performance and SGA efficiency

*Use of Index Organized Tables to greatly improve SQL performance and SGA efficiency*

*Martin Widlake, Oracle ACE director, OAK Table, Consultant, ORA600 Limited*

*Conference session,* 🇬🇧 *, DBA ,* Experienced

*Abstract:*

Index Organized Tables have been available in Oracle for 20 years. They are a free and rarely-used tool for boosting the performance of certain types of applications and SQL.

This presentation will describe how IOTs work, their drawbacks and their potentially huge benefit to your SGA and overall database performance.

*Speaker:*

Martin Widlake is an independent Oracle consultant who has been working with the database since 1992, mostly as a development DBA, database designer and performance engineer. He regularly presents on these topics, both within the UK and internationally. His an active member of the UK Oracle User Group, deputy chairing the RAC Special Interest Group and helping define the content of the annual conferences. Martin is also a member of the OakTable network and an Oracle ACE Director.

# Michal Simonik, Think simple and spare yourself a facepalm

*Think simple and spare yourself a facepalm*

*Michal Simonik, OCP, Freelancer, Private Individual*

*Conference session,* 🇬🇧 , DEV , Intermediate

### Abstract:

Ever come up with what you think to be a brilliant solution to a problem? Sure you have, and so have I. But after a brief moment of joy (maybe a day or two if you are lucky), comes that notorious moment of facepalm. Your genius solution crumbles apart from a simple sentence from your colleague, or your own discovery after you've got some rest. Your solution is overly complicated and bad. The right one is actually very simple.

In this session on Oracle SQL Tuning, I'll make fun of myself and my mistakes to show listeners how to solve things simply. I'll be presenting examples of simplifying SQL that were given to me for tuning and presenting proper solutions to the problem. We will discuss usage of constructs like MERGE, SQL nesting, WITH AS and more.

Tell me … Is there anything wrong with this simple query?

SELECT company, COUNT(*) FROM invoices WHERE can_access( company ) = 1 GROUP BY company;

Join me to find out!

### Speaker:



I'm independent Oracle consultant and lecturer. I'm working with Oracle databases since 2003 (Oracle 7i). My primary role is SQL optimization, design of data models, finding solutions to problems within the Oracle database and employee training. I've visited such events like Oracle Open World 2009 in San Francisco, or the Middle East Oracle University Expert Summit 2014 in Dubai. I'm speaker at DOAG 2015 in Nuremberg.
Find out more at https://cz.linkedin.com/in/michalsimonik or www.michalsimonik.com

# Mihail Stoynov, HTTP/2 - the secret that makes Gmail, Facebook and Twitter faster in the browser

*HTTP/2 - the secret that makes Gmail, Facebook and Twitter faster in the browser*
*Mihail Stoynov, Consultant, BG Java User Group*

*Conference session,* 🇬🇧, DEV SRV , *All Levels*

*Abstract:*

What is Http2? How is it supported in Java? How easy is to implement it? Why is it so much faster? How will http2 improve wifi? This session is the answer and a practical demonstration of how easy it is to migrate to the next gen of http.

*Speaker:*



Mihail is a security and software consultant, trainer and author. His resume includes projects in companies like Saudi Aramco, Boeing, HP, Siemens, USAF, several foreign banks and government entities. Mihail is the co-author of 6 books on software, and has 10 years of training experience in local and foreign companies and most of the local universities.

# Nikolay Kovachev, Gathering optimizer statistics

*Gathering optimizer statistics*

*Nikolay Kovachev,  Senior Oracle Database Consultant, TechnoLogica*

*Conference session,* 🇬🇧 , DBA , *Experienced*

*Abstract:*

Maintaining a good set of statistics is in the base of your performance. All the decisions made from the optimizer are based on them. But a simple task like gathering them can be challenging if we have partitioning. Understating how DBMS_STATS maintains local and global statistics and when the optimizer is using them is the key to the successful statistics maintenance.

*Speaker:*

Nikolay works as a Senior Database Consultant for TechnoLogica, which is Oracle Platinum Partner.
He holds many certificates and is mainly focused on performance tuning. He has presented at BGOUG, HROUG, SIOUG, SrOUG and OUR-Ireland.
Nikolay is a blogger (progeeking.com) and a regular BGOUG volunteer.

# Osama Mustafa, Weblogic & Dockers.

*Weblogic & Dockers.*

*Osama Mustafa, OCP, Oracle ACE director, Oracle ACE, Principle Oracle Consultant , Gurus Solutions*

*Conference session,* 🇬🇧 *,* MW *,* *All Levels*

*Abstract:*

Docker containers wrap up a piece of software in a complete filesystem that contains everything it needs to run: code, runtime, system tools, and system libraries – anything you can install on a server. This guarantees that it will always run the same, regardless of the environment it is running in. Oracle WebLogic Server is now certified to run on Docker containers.

*Speaker:*



Osama Mustafa is Founder of Gurus Solutions Company, Oracle ACE, Creator/Director of Jordan Amman Oracle User Group the first Group in Jordan related to oracle technology, Author of the book Oracle Penetration Testing, Osama has been working on project and customer support in EMEA Region, Providing Database Implementation Solutions, his specialties Fusion middleware, In memory database Timesten, Exalytics and Exalogic machine, Include to this Osama Is frequently Speaker in Oracle User Groups around the world and one of RAC ATTACK event organizer, Fusion middleware ATTACK Organizer as well, he published articles in Oracle Magazine, OTECH magazine and UKOUG Oracle Scene magazine, Also he is Blogger and Certified Oracle Database and Fusion middleware, he assists with sharing his knowledge at conferences, webinars, white papers , slide share and blog posts to the Oracle community, Simply he is Oracle passionate.

# Osama Mustafa, Weblogic 101 for DBA.

*Weblogic 101 for DBA.*

*Osama Mustafa, OCP, Oracle ACE director, Oracle ACE, Principle Oracle Consultant , Gurus Solutions*

*Conference session,* 🇬🇧*,* MW *,* *All Levels*

*Abstract:*

Like it or not, knowledge of WebLogic is now part of the DBA role. You don't have to know a great deal to be useful with basic WebLogic setups, but the whole Fusion Middleware stack is big and complicated.  Once you step beyond the basics, Learn WebLogic Architecture and Components, Installing WLS & Configuring a Domain, Oracle Enterprise Manager 12c, Managing WebLogic.

*Speaker:*



Osama Mustafa is Founder of Gurus Solutions Company, Oracle ACE, Creator/Director of Jordan Amman Oracle User Group the first Group in Jordan related to oracle technology, Author of the book Oracle Penetration Testing, Osama has been working on project and customer support in EMEA Region, Providing Database Implementation Solutions, his specialties Fusion middleware, In memory database Timesten, Exalytics and Exalogic machine, Include to this Osama Is frequently Speaker in Oracle User Groups around the world and one of RAC ATTACK event organizer, Fusion middleware ATTACK Organizer as well, he published articles in Oracle Magazine, OTECH magazine and UKOUG Oracle Scene magazine, Also he is Blogger and Certified Oracle Database and Fusion middleware, he  assists with sharing his knowledge at conferences, webinars, white papers , slide share and blog posts to the Oracle community, Simply he is Oracle passionate.

# Radu Parvu, Solaris 11.2 New Features

*Solaris 11.2 New Features*

***Radu Parvu, Infrastructure Principal, Accenture***

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

*Abstract:*

1. Short Solaris Intro
2. Environments Isolation with kernel zones
3. Unified Archives
4. Software Defined Networking (elastic virtual switch)
5. Immutable Global Zones

*Speaker:*



Radu has over 14 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/

# Trayan Iliev, Expected Novelties in Java EE 8: MVC 1.0

***Expected Novelties in Java EE 8: MVC 1.0***

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

***Conference session,*** 🇬🇧 **, DEV , Intermediate**

***Abstract:***

The main features (the specification is still in early draft stage, and is subject to change) that will be discussed include:

- Model-View-Controller interplay and standard annotations - @Controller, @View;

- Bootstrapping using javax.ws.rs.core.Application;

- Observable controller matching, view engine selection, and redirection CDI events;

- Bean Validation integration and exception mapping;

- Security related features – prevention of Cross Site Request Forgery (CSRF) and Cross-site scripting (XSS) attacks;

- Multiple view specification technologies – JSP and Facelets at core, but also Freemarker, Handlebars, Jade, Mustache, Velocity, Thymeleaf, etc. as extensions demonstrated by the the MVC 1.0 reference implementation project Ozark (https://ozark.java.net/).

The presentation examples will be based on a demo project integrating, MVC 1.0, JAX-RS, CDI, BV.

Important note: MVC 1.0 API Specification is in early draft stage, and is subject to change based on open community process.

***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 web and open source technologies. He is Oracle Certified Professional, Java SE 6 Programmer. Since 2000 he holds position of lecturer at Faculty of Mathematics and Informatics, Sofia University "St. Kliment Ohridski", Bulgaria. 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.), HTML 5 APIs and OO JavaScript libraries, Java EE 6/7 technologies (EJB 3.2, JSF 2.2, JPA, SOAP & REST-ful web services, Portlets & WSRP), HATEOAS, cross-platform mobile application development, Java multithreading, multi-agent technologies (http://www.h2j.org/).

# Tsanko Stoykov, How to digitally sign XML files?

*How to digitally sign XML files?*
*Tsanko Stoykov,  Software Consultant, TechnoLogica*

*Conference session,* ▬▬ *,* DEV *,* Introductory
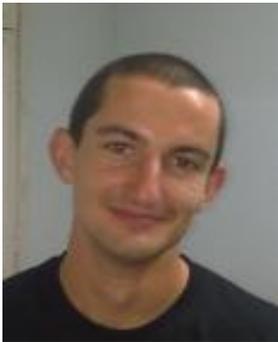
*Abstract:*

What is hash?
What is encryption?
What does digital signing of a binary file, text file or XML file means?
Applets and digital signing of XML in browsers

*Speaker:*



Challenges, practical solutions in creating and processing XML documents. Solution comparison based on reliability and speed.

# Yavor Nikolov, Oracle PL/SQL unit testing with Ruby and ruby-plsql-spec

*Oracle PL/SQL unit testing with Ruby and ruby-plsql-spec*

*Yavor Nikolov, OCP, Software Developer (Oracle), Luxoft Bulgaria EOOD*

*Conference session,* 🇧🇬 *,* 𝔻𝔼𝕍 *,* Introductory

*Abstract:*

Automated unit testing and TDD (test-driven development) are nowadays key software development practices. They're especially important if your customers' needs are frequently changing and you want to be able to respond to them quickly, reliably and with high quality.

In some programming languages there is quite good tools and frameworks support for unit testing and as a result there is quite high testing culture among top developers in these communities. But in the PL/SQL community so far automated unit testing is not used very often. Unit-testing frameworks based PL/SQL syntax are sometimes quite verbose and the tests are not very readable and hart do maintain.

In this session we'll explore how to create clear, concise and readable tests for Oracle PL/SQL and apply TDD using Ruby, RSpec and the open source libraries ruby-plsql and ruby-plsql-spec.

*Speaker:*



I've been working with Oracle technologies for 10+ years, being involved in database development and administration, data warehousing, tweaking server OS and other activities.
I'm interested in discovering and applying better ways of working in the world of software development (and knowledge work in general): technical pratices, technologies and infrastructure, process of work, collaboration and learning culture.
Fan of Lean/Agile/Kanban approaches, Linux and open source.

# Zoran Pavlovic, Getting started with Oracle Data Guard 12c

*Getting started with Oracle Data Guard 12c*

*Zoran Pavlovic, OCP, Oracle ACE, Oracle Technical Architect, Parallel*

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

*Abstract:*

This getting started guide teaches you how Data Guard in Oracle Database 12.1.0.2 works. Throughout the presentation and live demonstration (or recordings, depends on time) you will be able to learn to:

1 - Create Active Data Guard in a Multitenant environment;

2 - Add/remove Pluggable Database(s) from Data Guard configuration;

3 - Use services in Data Guard and Multitenant environment;

It will also explain use of Temporary Undo in Active Data Guard for DML on Temporary tables.

*Speaker:*



Zoran works for Parallel as an Oracle Technical Architect. He has worked as an consultant for Oracle Consulting as well as instructor for Oracle University across EMEA region. As an active member of the Oracle community and a long-time Oracle database enthusiast, Zoran frequently delivers technical presentations and demonstrations about Oracle technologies. He is an Oracle ACE and author of Oracle Database 12c Cookbook.