

DIGICOMP

ORACLE
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11. und 12. Mai 2006

Jonathan Lewis in Zürich

Oracle University und Digicomp präsentieren einen zweitägigen Oracle Workshop mit Jonathan Lewis zu den Themen Indexing and Trouble Shooting. Sie bekommen die einmalige Gelegenheit, den Oracle Experten mit Ihren persönlichen Fragen zu konfrontieren. Das Seminar findet in englischer Sprache statt.

WORKSHOP DAY 1

Indexing Strategies

SESSION 1 9.00 – 10.30 Uhr

The Structure of Indexes

What is a B-tree index, what is a Bitmap index and why is it so different? How does Oracle build indexes? Are there differences in reverse indexes, function-based indexes, cluster indexes, global partitioned indexes, indexed organized tables, and secondary indexes. With the aid of a few block dumps and carefully monitored test results we examine the way that different types of indexes are built and behave.

Break (Coffee) 10.30 – 11.00 Uhr

SESSION 2 11.00 – 12.30 Uhr

The Uses of Indexes

How many different ways can Oracle take advantage of an index. We have primary keys and unique keys – do we need unique indexes to enforce them. We may have problems with foreign keys if we don't have related indexes. We need fast access paths – but will indexing help and what will it cost? When will Oracle use an index to accelerate a query? Can we assist performance by understanding the mechanisms.

Break (Lunch) 12.30 – 13.30 Uhr

SESSION 3 13.30 – 15.00 Uhr

Popular misconceptions

There are several surprising ideas floating around the Internet about how Oracle indexes work. Sometimes these ideas are irrelevant and have no use or impact. Sometimes they have a serious impact on your effectiveness. They may cause you to do work that need not, or should not, be done. They may introduce down-time that you do not need. They may make you avoid a feature that is really the perfect feature for your application. This session examines some of the more popular and potentially damaging misconceptions about indexes.

Break (Coffee) 15.00 – 15.30 Uhr

SESSION 4 15.30 – 17.00 Uhr

Maximum benefit, minimum cost

We all know that indexes are supposed to make things go faster – but sometimes we forget that they have maintenance costs – of two types. How do you identify the optimum set of indexes for your application? How do you identify redundant indexes? How do you check whether or not an index has become inefficient and needs to be rebuilt – and how do you rebuild it most cost-effectively?

WORKSHOP DAY 2

Trouble Shooting and Tuning

SESSION 1 9.00 – 10.30 Uhr

Trouble Shooting or Tuning

What's the difference? What are the strategies. Why tuning is hard but trouble shooting is easy. Key targets, indicators and mechanism for producing a well-tuned system on day one. Strategies for dealing with badly performing systems after go-live.

Break (Coffee) 10.30 – 11.00 Uhr

SESSION 2 11.00 – 12.30 Uhr

Frequently Occurring Problems

Some of the most commonly occurring issues that affect performance after a system has gone into production. Methods for spotting them, measuring the impact, and dealing with the cost/risk/benefit triangle involved in fixing them. Getting into the habit of pre-emptive analysis and pro-active fixing.

Break (Lunch) 12.30 – 13.30 Uhr

SESSION 3 13.30 – 15.00 Uhr

Quick Fixes

Methods, workaround and dirty tricks for dealing with classic performance problems when the system is in production. There really aren't many quick fixes that can be applied across the board – each one needs careful examination of costs, risk, and benefits. In this session we consider some of the options that are most likely to be worthwhile.

Break (Coffee) 15.00 – 15.30 Uhr

SESSION 4 15.30 – 17.00 Uhr

V\$ and X\$

It's a good idea to be familiar with just a few of the dynamic performance views – and there are a couple of items in the still hidden away in the X\$ objects that can add a little value. This session will describe the views that are most commonly of use, and explain the meaning of some of the more obscurely named, but potentially useful items.

Zimmerreservation

Für Reservationen von Hotelzimmern (11. + 12.05.06) kontaktieren Sie bitte zuerich@digicomp.ch.

Ort

Zurich Development Center

Preis

CHF 1800.00

JETZT ANMELDEN!

www.digicomp.ch/jlewis