# Toad Neuigkeiten

Johannes Ahrends
CarajanDB GmbH

# CarajanDB

- Experten mit über 25 Jahren Oracle Erfahrung
- Firmensitz in Erftstadt bei Köln
- Spezialisten für
  - Oracle Datenbank Administration
  - Hochverfügbarkeit (RAC, Data Guard, Failsafe, etc.)
  - Einsatz der Oracle Standard Edition
  - Oracle Migrationen (HW, Unicode, Standard Edition)
  - Replikation
  - Performance Tuning
  - Datenbank Cloning (Delphix, Actifio, CloneDB)
- Fernwartung
- Schulung und Workshops (Oracle, Toad)

# … über mich

- **Oracle Spezialist seit 1992**
  - 1992:   Presales bei Oracle in Düsseldorf
  - 1999:   Projektleiter bei Herrmann & Lenz Services GmbH
  - 2005:   Technischer Direktor ADM Presales bei Quest Software GmbH
  - 2011:   Geschäftsführer CarajanDB GmbH
- **2011 → Ernennung zum Oracle ACE**
- **Autor der Bücher:**
  - Oracle9i für den DBA, Oracle10g für den DBA, Oracle 11g Release 2 für den DBA
- **DOAG Themenverantwortlicher Datenbankadministration, Standard Edition**
- **Hobbies:**
  - Drachen steigen lassen (Kiting)  draußen wie drinnen (Indoorkiting)
  - Motorradfahren (nur draußen)

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# Kontakt

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  - blog.carajandb.com
  - www.toadworld.com

# ToadWorld

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## Johannes Ahrends

Toad and Oracle enthusiast

Profile | Activity | Groups | Likes | Achievements | Blog Posts

**Activity Story Stream**

**6 Sep 2016**

Johannes Ahrends in Oracle

Flashback Functions – One Name, different Techniques

Part 1: Flashback Database Since version 9i there is the term "Flashback" in the Oracle Technology. However it is often hard to harmonize the different terms and corresponding technologies. Let's start with the definitions: Flashback means, at least in the Oracle terminology, that a past state shall be restored. Might be you want to see the state of a data set one hour ago, the table before it was deleted or the change from last month. And here we are at the actual question...

5.2.2016 at 1:19pm

**2 Sep 2016**

Johannes Ahrends in Oracle

Optimal Flexible Architecture and Grid Infrastructure Management Repository

Even though the Oracle Optimal Flexible Architecture (OFA) is available for decades there are still new aspects for the design of your installation. Just one question: Do you know how ORACLE_BASE is defined? In the past I always set it in the profile for the corresponding user. But after some installations I recognised that even if I missed it there is a variable ORACLE_BASE which points to the right location. Except of one customer of mine. He did not want to follow the complete installation path...

9.2.2016 at 6:28pm

**2 Aug 2016**

Johannes Ahrends in Oracle

Logfile Housekeeping

There are tons of scripts and various scheduler jobs out in the field to get rid of old logfiles, dumps and traces. Some of them simply use the find command while others are using the ADR command line interface (adrci). There is nothing wrong with those scripts and some of them are still required but for traces and dumps there is a far easier way. With Oracle 11g the new Automatic Diagnostic Repository has been introduced. This tool nmerges the various logs, traces, dumps, etc. into one central...

8.2.2016 at 3:07pm

**29 Jul 2016**

Johannes Ahrends in Oracle

Extended Data Types with VARCHAR2(32767)

In the Oracle 12c New Features Guide you will find this sentence: " The maximum size of the VARCHAR2, NVARCHAR2, and RAW data types has been increased from 4,000 to 32,767 bytes. Increasing the allotted size for these data types allows users to store more information in character data types before switching to large objects (LOBs). This is especially useful for brief textual data types and the capabilities to build indexes on these types of columns. " (Oracle® Database New Features...

4.25.2014 at 6:23pm

satya1 likes this

satya1  This helped me resolve an issue while converting to 'extended' in 12c.
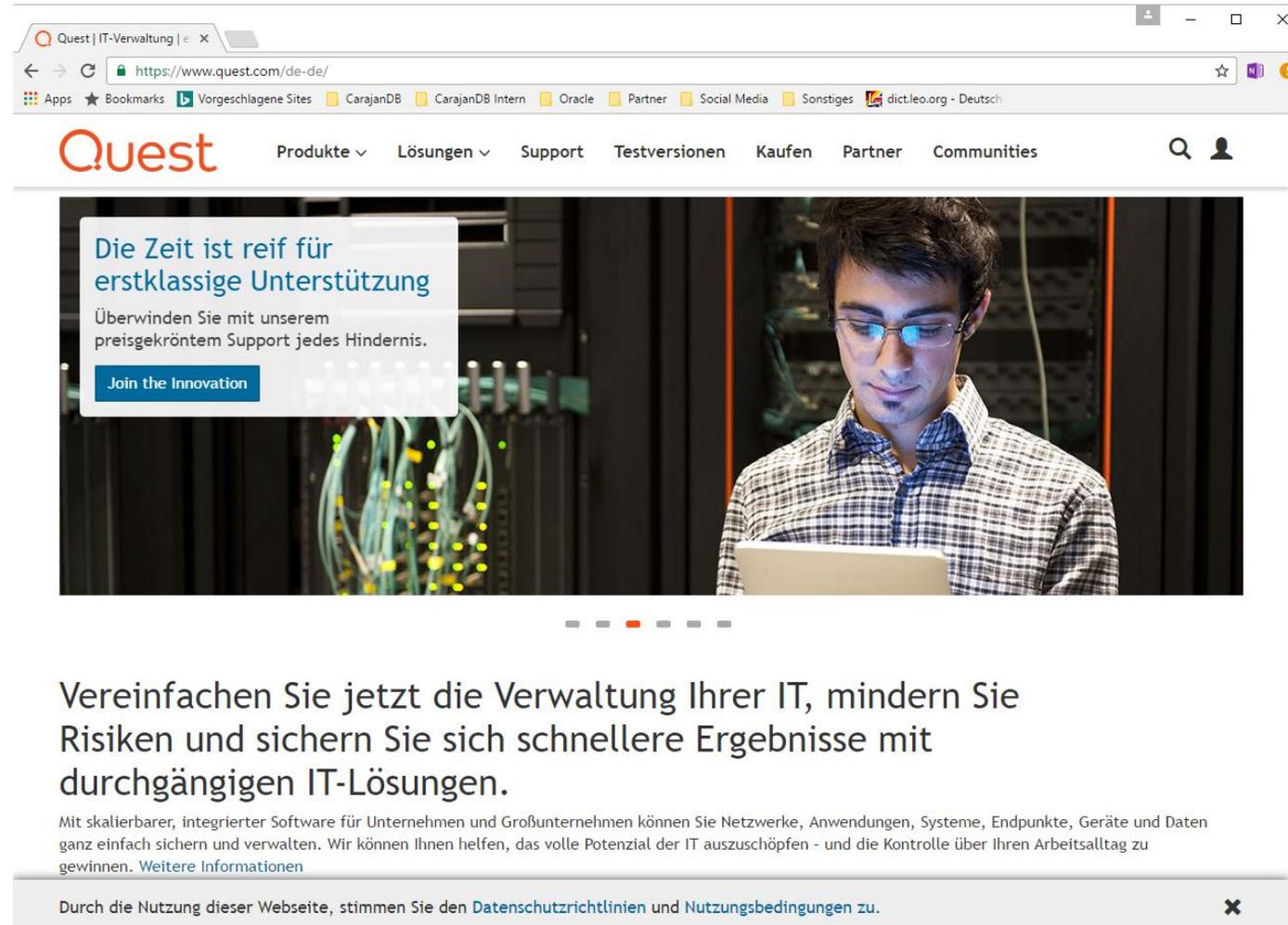Many Thanks  Johannes Ahrends
1 month ago

**Community Expert**

Website
http://www.carajandb.com

Blog
http://blog.carajandb.com

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# Raider heißt jetzt Twix

# Quest Software ist wieder da!

- Seit 01. November 2016 eigenständige Firma

# Toad 12.10

- Seit 29.09.2016

## About Toad for Oracle 2016 Suites

All commercial versions of Toad are bundled with additional Dell Software products, based upon the license that you purchased. These bundles are known as Suites (formerly known as Editions) and include the following:

### Toad for Oracle Base Edition

- Toad™ for Oracle®
- Toad™ Data Modeler (free use)
- Toad™ for MySQL Freeware

### Toad for Oracle Professional Edition

- Toad for Oracle® Professional
- Toad™ Data Modeler (free use)
- Toad™ for MySQL Freeware

### Toad for Oracle Xpert Edition

- Toad for Oracle® Xpert
  Includes all features in Base and Professional Editions
- SQL Optimizer for Oracle®

### Toad for Oracle Development Suite

- Toad for Oracle® Xpert
- Code Tester for Oracle®
- Benchmark Factory™ for Databases - Oracle® Edition

### Toad for Oracle DBA Suite

- Toad for Oracle® Xpert
- DB Admin Module Add-on
- Spotlight™ on Oracle®
  Includes Spotlight on Unix/Linux, Spotlight on Windows, and Spotlight on Oracle Data Guard
- Benchmark Factory™ for Databases - Oracle® Suite
- Toad Data Modeler

### Toad for Oracle DBA Suite - RAC Edition

- Toad for Oracle® Xpert
- DB Admin Module Add-on
- Spotlight™ on Oracle® with RAC Option
  Includes Spotlight on Unix/Linux, Spotlight on Windows, and Spotlight on Oracle Data Guard
- Benchmark Factory for Databases - Oracle® Edition
- Toad Data Modeler

### Toad for Oracle DBA Suite - Exadata Edition

- Toad for Oracle® Xpert
- DB Admin Module Add-on
- Spotlight™ on Oracle® with RAC and Exadata Options
  Includes Spotlight on Unix/Linux, Spotlight on Windows, and Spotlight on Oracle® Data Guard
- Benchmark Factory for Databases - Oracle® Edition
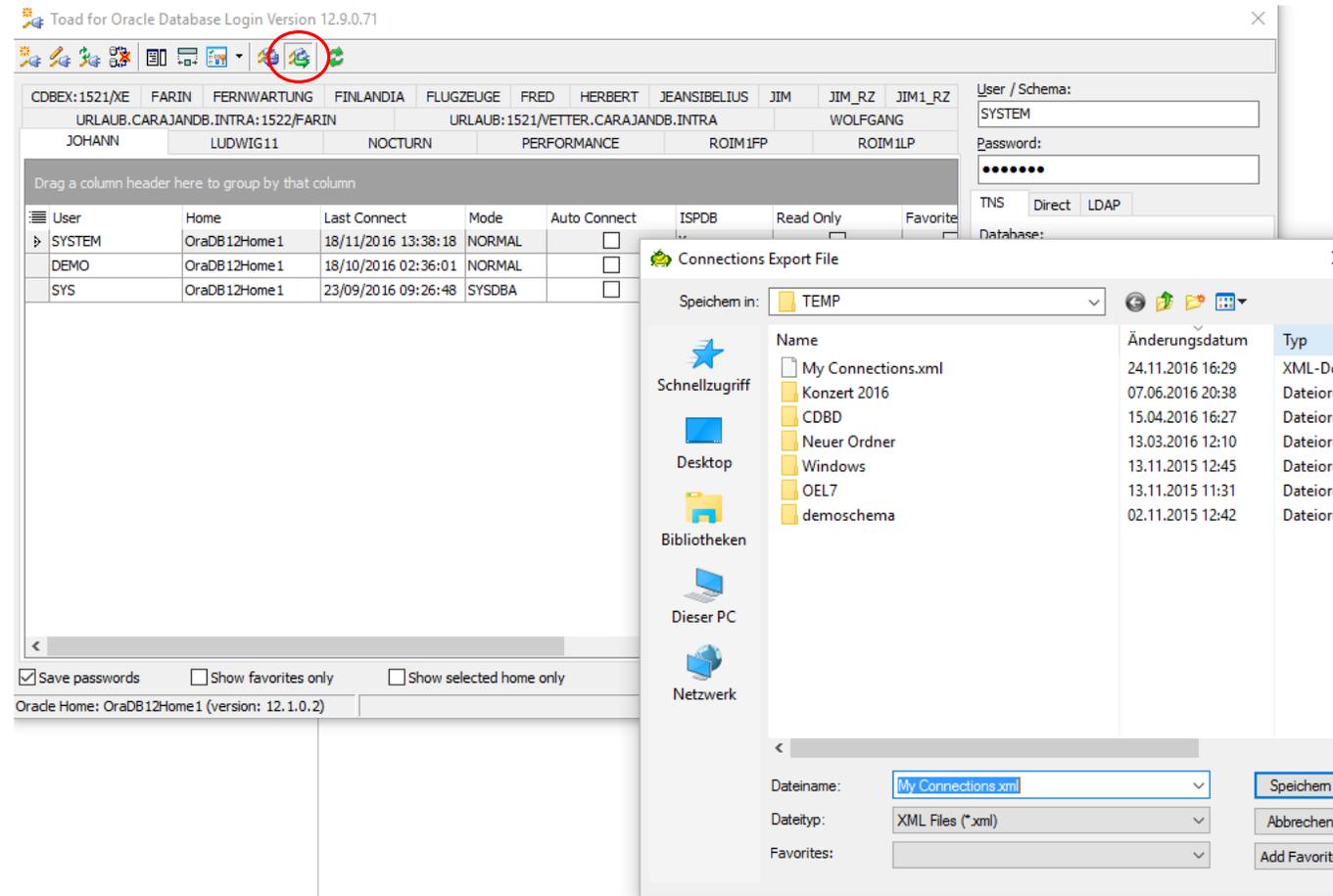- Toad Data Modeler

# Toad Intelligence Central Integration

- **Informationen in TIC:**
  - Team Coding
  - Code Analysis
  - Code Tester
  - Änderungen im Heath Check
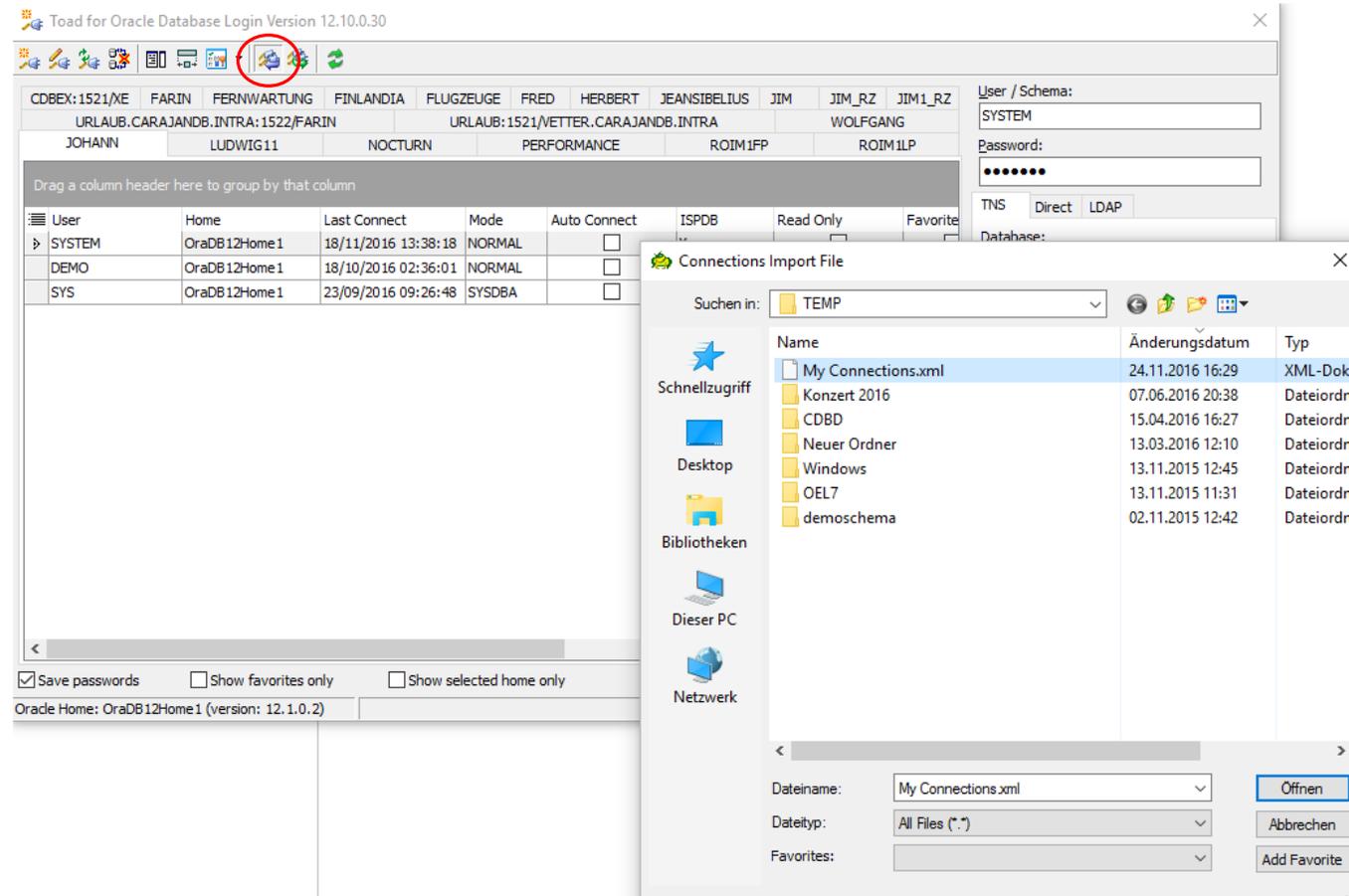- **Eine gemeinsame Datenbasis (MySQL Datenbank)**

# Übernahme von Verbindungen
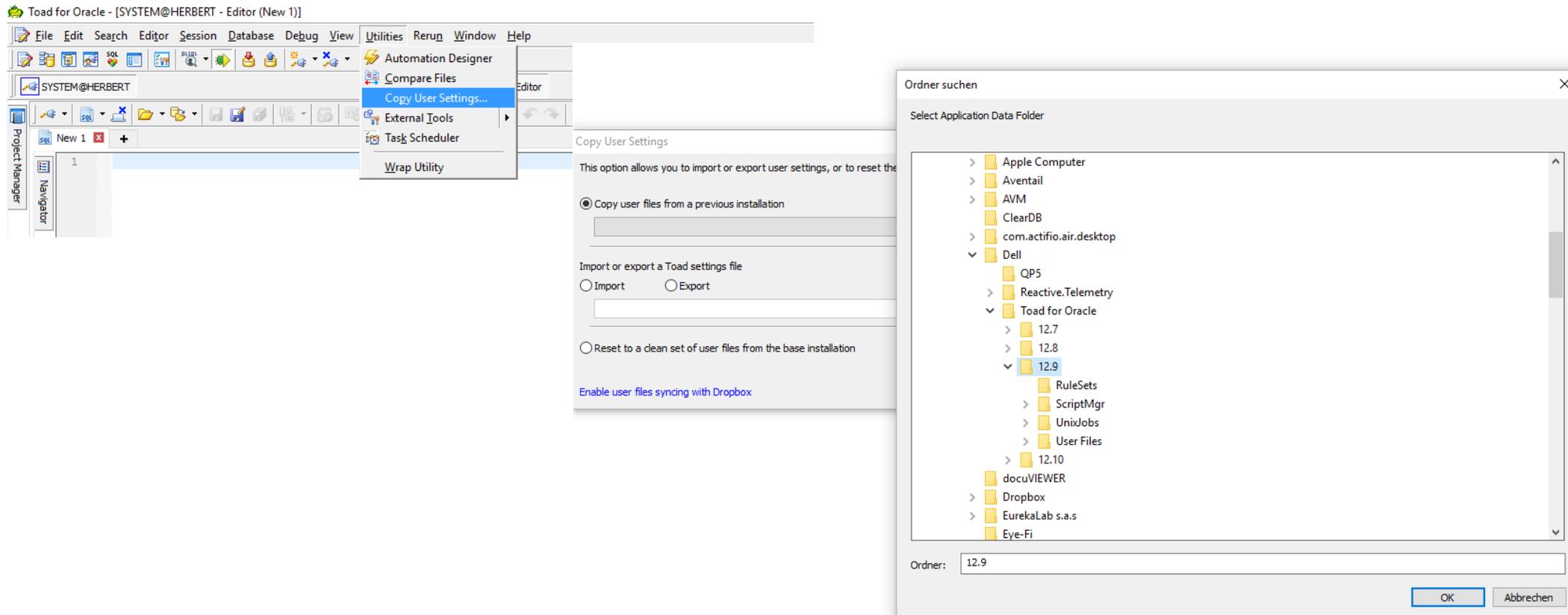
- **Alte Version**

- **Connections**
  - Export

# Übernahme von Verbindungen

- **Neue Version**
- **Connections**
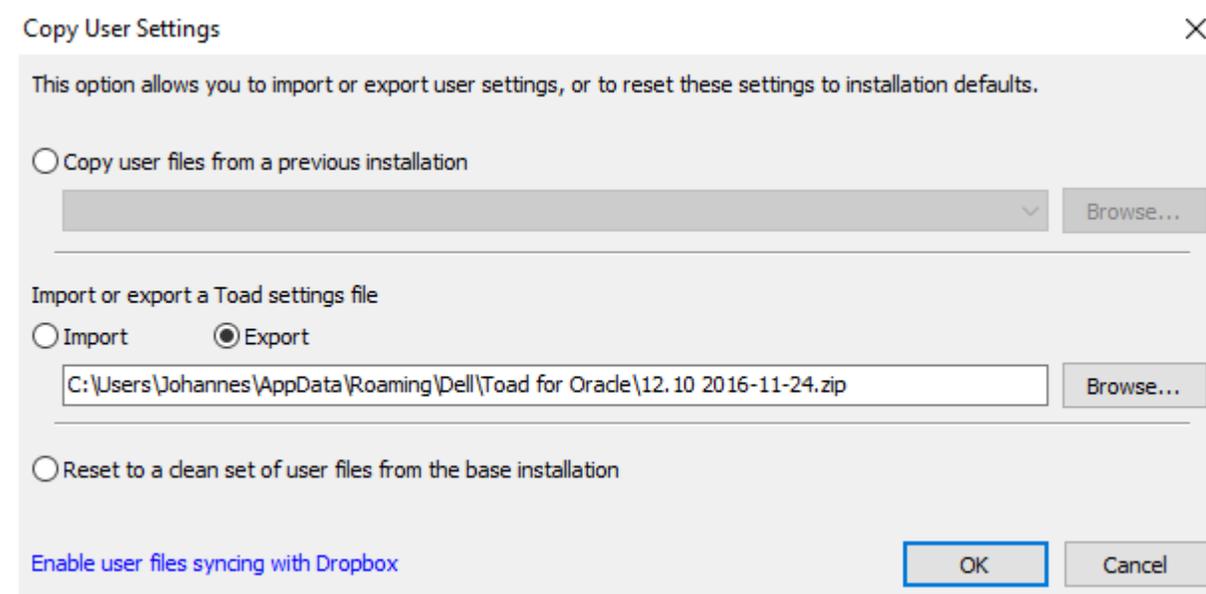  - Import
- **Passworte nur auf dem selben Rechner**

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- ## Utilities
  - ### Copy Use Settings …

# Teilen / Verteilen von Einstellungen

- ## Export / Import User Settings
  - Synchronisation mit Dropbox möglich

**Copy User Settings**                                    ✕

This option allows you to import or export user settings, or to reset these settings to installation defaults.

○ Copy user files from a previous installation

[                                                    ▼ ]  [ Browse... ]

Import or export a Toad settings file

○ Import      ● Export

[ C:\Users\Johannes\AppData\Roaming\Dell\Toad for Oracle\12.10 2016-11-24.zip ]  [ Browse... ]

○ Reset to a clean set of user files from the base installation

Enable user files syncing with Dropbox          [ OK ]   [ Cancel ]

# SharePlex 8.6.5

- **Neue Version seit dem 30. September 2016**
  - Replikation von
    - Oracle (10g, 11g und 12c) inklusive Multitenant
    - SQL Server
    - SAP ASE
    - SAP Hana
    - Postgres
    - Teradata
    - Open Target
  - Inklusive Compare / Repair Funktion
  - Sehr gut für Migrationen / Upgrades mit Near Zero Downtime

# Oracle OpenWorld

# Wichtige Neuigkeiten

- Oracle gibt die Version 12.2 zunächst nur für die Cloud frei (Cloud first)
- Oracle Exadata Express Cloud Service
  - Verfügbar seit 21. September 2016 als 12.2
  - Pluggable Database auf einer Exadata
  - Kleinste Stufe 20 GB Storage und 120 GB Datenvolumen pro Monat für $ 175,00
  - Keine DataPump, SQL*Loader
  - Verschlüsselter SQL*Net Traffic
- 12.2 Dokumentation seit 11. November 2016 verfügbar

# Exadata Express Service

# Database Service

- ## Seit 11. November 2016 12.2 generell für Cloud verfügbar

  - ### Standard Package mit SE 2

# 12.2 Neue Features

- **Erweiterungen im Bereich Multitenant**
  - Local Undo → Flashback Pluggable Database
  - Online Clone auch mit NON-CDB
  - 4096 PDBs pro CDB
  - Multiple Character Sets in einer CDB
  - SGA Parameter für einzelne PDBs
- **Sharding**
  - Neue Architektur – Shared Nothing Prinzip
  - Nur für extrem große Datenbanken
- **Hochverfügbarkeit**
  - Dataguard Database Compare
  - Dataguard Multiple Observers
  - RAC Read Only Nodes

# 12.2 neue Features (2)

- SQL*Plus Command History
- Real Time Materialized Views
  - Zugriff auf MV, auch wenn die MV Stale ist
- Long Identifiers
  - 128 Byte statt 30 Byte für alle „Identifier"
    - Tabellennamen
    - Spaltennamen
    - …
- Umfangreicher JSON Support

# DOAG Konferenz

- **Wichtige Themen:**
  - Oracle Cloud
  - Multitenant Database
  - Security / Datenschutz
  - Upgrade nach Oracle 12c / 12.2
  - Oracle Enterprise Manager 13.2

# Weitere Informationen

- 25. Jan. 16:30 Uhr:      Toad User Forum – „Tuning mit Toad"
- 02. bis 03. Feb. 2017:  DOAG Noon2Noon (Mainz) „Upgrade nach Oracle 12c"
- 30. bis 31. Mai 2017:    DOAG Datenbank Konferenz in Düsseldorf (CfP jetzt offen)

# Hinweis

- Eine kleine Weihnachtsgeschichte
  - 2016: Weihnachten 12.2 (=24)
  - blog.carajandb.com


… lassen Sie sich überraschen ;-)

# Fragen?