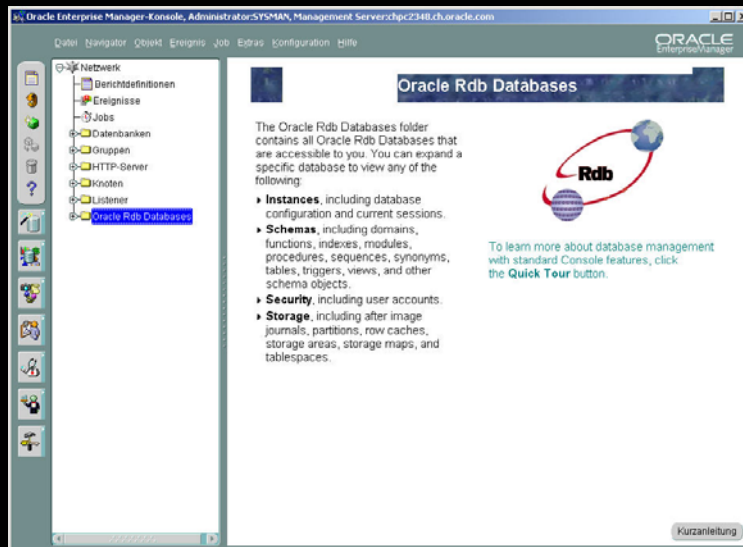


Oracle Enterprise Manager and Oracle Rdb



Dr. Wolfgang Kobarg-Sachsse

Oracle Support Services – Oracle Rdb Support



Use RdbOEM to

- See DB structure
- See DB schema
- See DB storage
- See DB security
- Define events (when special things should happen)
- Define jobs (special tasks executed at predefined times)



4 objects

- Server Manager OEM (OMS) + Rdb Add-On (Windows)
- Repository (RDBMS database, everywhere)
- Intelligent Agent + Rdb Add-On (VMS)
- Console + Rdb Add-On (Windows)

ORACLE
SOFTWARE POWERS THE INTERNET

Installation

- First install complete Oracle OEM
- If no Oracle 9i on VMS then install NETCONFIG,
UTIL, AGENT
- Rdb Add-Ons Server Manager, Console, Agent
- Make your Rdb databases available for IA.

ORACLE
SOFTWARE POWERS THE INTERNET

Add Rdb database

- Entry in
ORA_ROOT:[NETWORK.AGENT.CONFIG]RBCONFIG.DAT
- Portnumber = portnumber dispatcher listener.ora
- Add SQL*Net for Rdb support in each database
- Add INFO_TABLES to each database (therefore Rdb 7.1.x required)
- Create a service in SQL/Services for each database
- Restart Oracle Intelligent Agent (ORA_AGENT_ID identifier is necessary)
- To see if all is ok you can examine the file
ORA_ROOT:[NETWORK.AGENT]SERVICES.ORA

ORACLE
SOFTWARE POWERS THE INTERNET

Test it!

You need an entry in TNSNAMES.ORA like this:

```
MY_OEM.world =  
(DESCRIPTION =  
  (ADDRESS = (COMMUNITY = TCP_COM.world) (PROTOCOL = TCP)  
    (Host = zkudec2) (Port = 1527) )  
  (CONNECT_DATA = (SERVICE = MY_OEM) (GLOBAL_NAME = MY_OEM.world)))
```

Check your LISTENER.ORA that Protocol, Host, Port etc. fit to the entries in TNSNAMES.ORA, and then use SQL*Plus to verify the connection.

ORACLE
SOFTWARE POWERS THE INTERNET

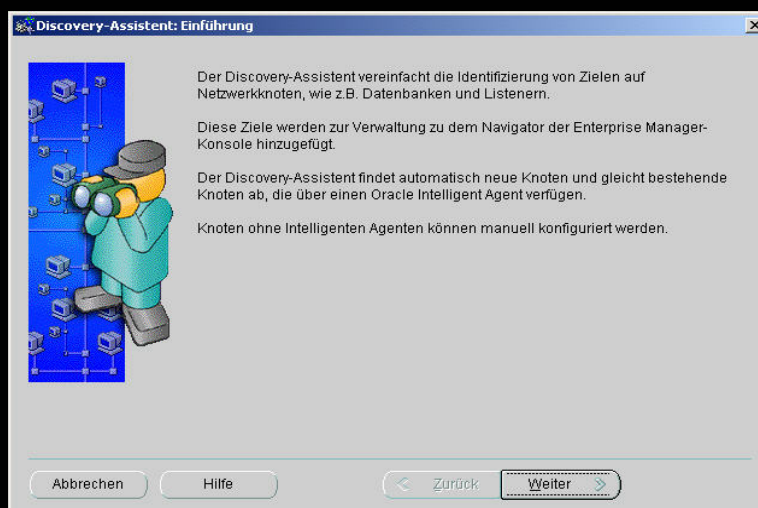
Nodes

In the OEM Console:

- Click on “Nodes”
- Navigator discovers nodes
- Enter address of new node
- Node is being “discovered”
- When discovery ready select node and do refresh (Navigator)
- You see your Rdb databases

ORACLE
SOFTWARE POWERS THE INTERNET

Discover nodes



ORACLE
SOFTWARE POWERS THE INTERNET

Type in nodename

The screenshot shows a dialog box titled "Discovery-Assistent, Schritt 1 von 2: Knoten angeben". The main text reads: "Geben Sie den Namen des bzw. der Knoten ein, die Sie verwalten möchten. Hinweis: Trennen Sie die Knoten durch Leerzeichen, Komma, Tabulatorzeichen oder Zeilenvorschubzeichen." Below this is a text input field containing "zkudec2.de.oracle.com". At the bottom, there are buttons for "Abbrechen", "Hilfe", "Zurück", "Weiter", and "Importieren".

ORACLE
SOFTWARE POWERS THE INTERNET

Automatic discovery

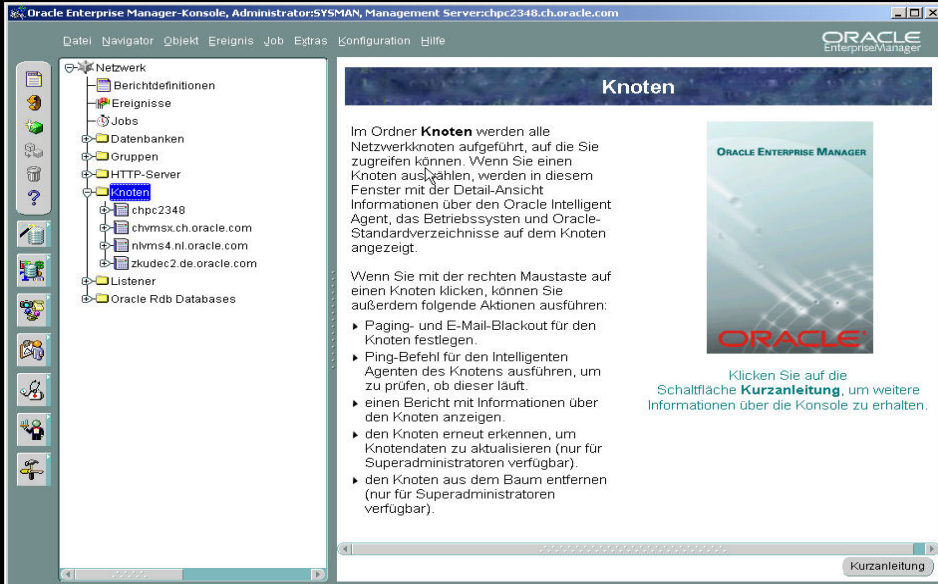
The screenshot shows a dialog box titled "Discovery-Assistent, Schritt 2 von 2: Fortschritt". It features a progress bar at the top labeled "Erkennung abgeschlossen" with a value of "100%" and a "Stoppen" button. Below the progress bar is a table with the following data:

Eingegebener Name	Knotenname	Status
zkudec2.de.oracle.co	zkudec2.de.oracle.co	✓ Erkannt

At the bottom, there are buttons for "Abbrechen", "Hilfe", "Zurück", "Weiter", and "Beenden".

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Nodes discovered



The screenshot shows the Oracle Enterprise Manager console interface. The left-hand pane displays a tree view under 'Netzwerk' (Network) with the following structure:

- Netzwerk
 - Berichtdefinitionen
 - Ereignisse
 - Jobs
 - Datenbanken
 - Gruppen
 - HTTP-Server
 - Knoten** (highlighted)
 - chpc2348
 - chvmsx.ch.oracle.com
 - nlvms4.nl.oracle.com
 - zkudec2.de.oracle.com
 - Listener
 - Oracle Rdb Databases

The right-hand pane is titled 'Knoten' and contains the following text:

Im Ordner **Knoten** werden alle Netzwerknoten aufgeführt, auf die Sie zugreifen können. Wenn Sie einen Knoten auswählen, werden in diesem Fenster mit der Detail-Ansicht Informationen über den Oracle Intelligent Agent, das Betriebssystem und Oracle-Standardverzeichnisse auf dem Knoten angezeigt.

Wenn Sie mit der rechten Maustaste auf einen Knoten klicken, können Sie außerdem folgende Aktionen ausführen:

- ▶ Paging- und E-Mail-Blackout für den Knoten festlegen.
- ▶ Ping-Befehl für den Intelligenten Agenten des Knotens ausführen, um zu prüfen, ob dieser läuft.
- ▶ einen Bericht mit Informationen über den Knoten anzeigen.
- ▶ den Knoten erneut erkennen, um Knotendaten zu aktualisieren (nur für Superadministratoren verfügbar).
- ▶ den Knoten aus dem Baum entfernen (nur für Superadministratoren verfügbar).

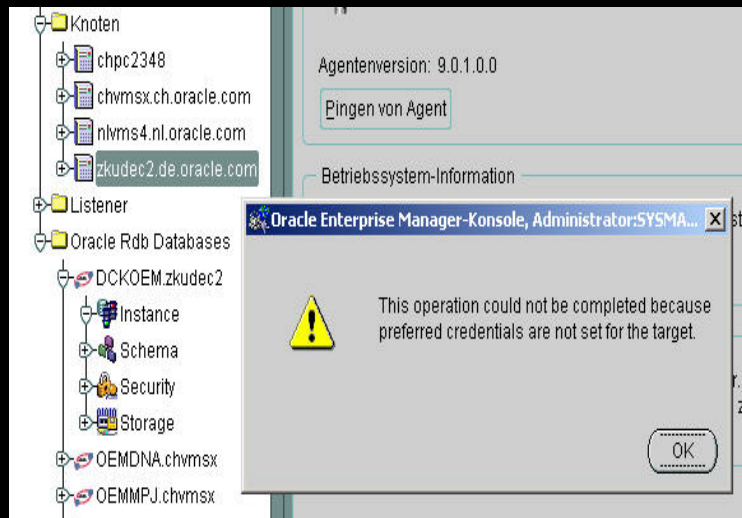
Below the text is a small graphic with the Oracle logo and the text: 'Klicken Sie auf die Schaltfläche **Kurzanleitung**, um weitere Informationen über die Konsole zu erhalten.'

At the bottom right of the right-hand pane is a button labeled 'Kurzanleitung'.

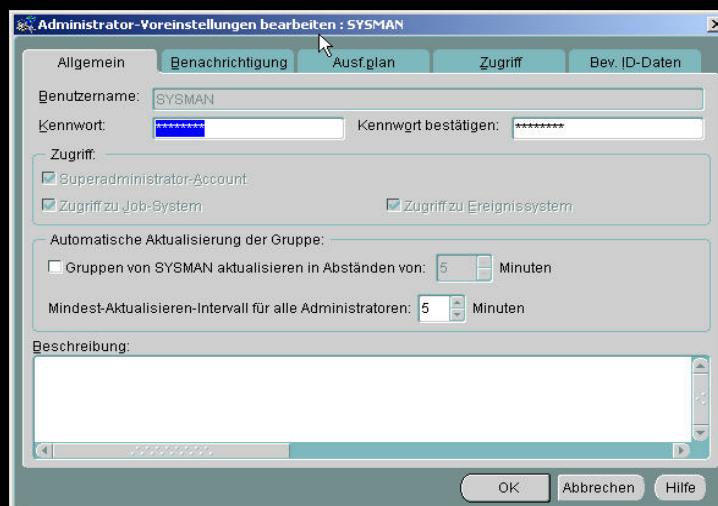
Authorization entries

- Node: use account under which the Agent has been started
- Database: use service owner SQL/Services service
- Configuration -> Preferences -> Preferred Credentials

No Authorization set



General Credentials



Credentials for database

Zielname	Zieltyp	ID-Daten
<DEFAULT>	Oracle Rdb Database	
MYOEM.zkudec2	Oracle Rdb Database	
OEMDNA.chvmsx	Oracle Rdb Database	
OEMMPJ.chvmsx	Oracle Rdb Database	
OEMTST.chvmsx	Oracle Rdb Database	✓
TREIN.nlvms4	Oracle Rdb Database	✓

Oracle Rdb Database MYOEM.zkudec2 ID-Daten:

Username:

Kennwort:

Kennwgrt bestätigen:

OK Abbrechen Hilfe

ORACLE
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For each Database

- Instance
- Schema
- Security (users, roles, profiles)
- Storage

ORACLE
SOFTWARE POWERS THE INTERNET

Instance

- Configuration
 - General parameters (e.g. Version)
 - Database parameters (e.g. Default storage area)
 - Root parameters (e.g. Buffersize)
- Session
 - All attached processes

ORACLE
SOFTWARE POWERS THE INTERNET

Instance, Configuration, General

The screenshot displays the Oracle Enterprise Manager console interface. The left-hand pane shows a tree view of the database environment, with the 'Configuration' folder under the 'Instance' folder for 'MYOEM.zkudec2' selected. The main pane shows the 'General' configuration page for this instance. The 'Instance State' section indicates a green traffic light and the status 'Database connection successful'. The 'Database and Instance Information' section provides the following details:

Property	Value
Host	zkudec2.de.oracle.com
Database Name	MYOEM.zkudec2
Root File	OSSRDB:\WKOBARGS.TEST\MF_PERSONNEL.RDB.1
Major Version	71
Minor Version	0
Creation Date	2003-03-20 11:09:01.0
Creator	WKOBARGS
Last Backup Date	1858-11-17 00:00:00.0

Instance, Configuration, Root Parameters

Oracle Enterprise Manager-Konsole, Administrator:SYSMAN, Management Server:chpc2348.ch.oracle.com

Datei Navigator Objekt Ereignis Job Extras Konfiguration Hilfe

ORACLE Enterprise Manager

Netzwerk

- Berichtdefinitionen
- Ereignisse
- Jobs
- Datenbanken
- Gruppen
- HTTP-Server
- Knoten
- Listener
- Oracle Rdb Databases
 - MYOEM.zkudec2
 - Instance
 - Configurator**
 - Sessions
 - Schema
 - Security
 - Storage
 - OEMDNA.chvmsx
 - OEMMPJ.chvmsx
 - OEMTST.chvmsx
 - TREIN.nlvms4

General Database Parameters Root Parameters

Database Root Attributes

Date of database creation:	2003-03-20 11:08:57.0
Date of last complete full backup:	2003-03-20 12:21:00.0
Major software version:	71
Minor software version:	0
Flags:	70072420
Max number of users:	50
Max number of cluster nodes:	16
Default number of buffers:	20
Number of recovery buffers:	20
Buffer size:	6
Number of global buffers:	250
Adjustable lock granularity count:	3
Lock timeout interval in seconds:	0
Checkpoint block interval:	0
Checkpoint time interval:	0
Commit transaction interval:	256
Close mode:	0
Close interval:	0
Async prefetch depth:	5
Detected async prefetch depth:	4
Detected async prefetch threshold:	4
Clean buffer count:	5
Maximum buffer count:	4
Minimum area page block count:	2
Maximum area page block count:	6
Transaction mode:	255
Adjustable locking granularity factor 0:	10

Instance, Configuration, Root Flags

Oracle Enterprise Manager-Konsole, Administrator:SYSMAN, Management Server:chpc2348.ch.oracle.com

Datei Navigator Objekt Ereignis Job Extras Konfiguration Hilfe

ORACLE Enterprise Manager

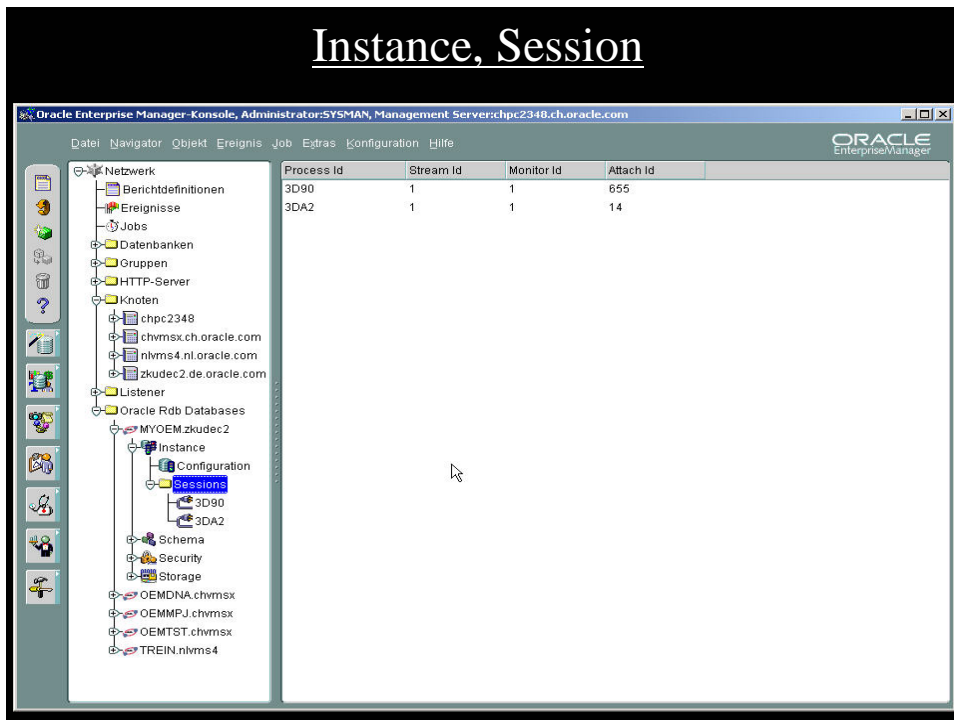
Netzwerk

- Berichtdefinitionen
- Ereignisse
- Jobs
- Datenbanken
- Gruppen
- HTTP-Server
- Knoten
- Listener
- Oracle Rdb Databases
 - MYOEM.zkudec2
 - Instance
 - Configurator**
 - Sessions
 - Schema
 - Security
 - Storage
 - OEMDNA.chvmsx
 - OEMMPJ.chvmsx
 - OEMTST.chvmsx
 - TREIN.nlvms4

Flags (70072420)

- Single file database
- Open mode
- Log server mode
- Snapshots are deferred
- Global buffers are enabled
- Carryover locks are enabled
- Statistics collection is enabled
- Fast commit is enabled
- A/J commit optimization is enabled
- RUJ is corrupt
- Database is corrupt
- Fast incremental backup is enabled
- Async prefetch is enabled
- Async batch writes are enabled
- Lock partitioning is enabled
- Page transfer via memory
- Detected async prefetch is enabled
- Shared memory is system
- Database has been modified (TSN allocated)
- Database conversion has been committed
- Row cache server (RCS) checkpoints to database, by default
- RCS checkpoints to backing store files, by default
- RCS checkpoints marked and unmarked to RDC
- Global buffers should be in VLM
- Row cache RUJ global buffers are disabled
- LogMiner feature is enabled
- Prestarted transactions are enabled
- VMS Galaxy shared memory is enabled

Instance, Session



Schema

- Domains
- Functions
- Indexes
- Modules
- Procedures
- Sequences
- Synonyms
- Tables
- Triggers
- Views

Tables

The screenshot shows the Oracle Enterprise Manager console interface. On the left, a tree view displays the database structure, with 'Tables' highlighted under the 'Schema' folder. The main window displays a table with the following columns: Table, Table Type, Storage Map, and Created By. The table lists various system and user tables, including RDB\$* tables and user-defined tables like CANDIDATES_MAP, COLLEGES, and EMPLOYEES.

Table	Table Type	Storage Map	Created By
CANDIDATES_MAP	User	CANDIDATES_MAP	WKOBARGS
COLLEGES	User	COLLEGES_MAP	WKOBARGS
DEGREES	User	DEGREES_MAP	WKOBARGS
DEPARTMENTS	User	DEPARTMENTS_MAP	WKOBARGS
DUAL	User		WKOBARGS
EMPLOYEES	User	EMPLOYEES_MAP	WKOBARGS
GLOBAL_NAME	User		WKOBARGS
JOBS	User	JOBS_MAP	WKOBARGS
JOB_HISTORY	User	JOB_HISTORY_MAP	WKOBARGS
ORA_ALL_USERS	User		WKOBARGS
ORA_COMM_TRANS	User		WKOBARGS
ORA_DBMS_OUTPUT	User		WKOBARGS
ORA_OBJECTS	User		WKOBARGS
ORA_SESSION	User		WKOBARGS
PRODUCT_PROFILE	User		WKOBARGS
RDB\$CACHES	System		WKOBARGS
RDB\$CHARACTER_SETS	System		WKOBARGS
RDB\$COLLATIONS	System		WKOBARGS
RDB\$CONSTRAINTS	System		WKOBARGS
RDB\$CONSTRAINT_RELATIONS	System		WKOBARGS
RDB\$DATABASE	System		WKOBARGS
RDB\$DATABASE_JOURNAL	System		WKOBARGS
RDB\$DATABASE_ROOT	System		WKOBARGS
RDB\$DATABASE_USERS	System		WKOBARGS
RDB\$FIELDS	System		WKOBARGS
RDB\$FIELD_VERSIONS	System		WKOBARGS
RDB\$GRANTED_PROFILES	System		WKOBARGS
RDB\$INDEX_SEGMENTS	System		WKOBARGS

Storage

- Storage areas
- Storage maps
- Row Cache
- Partitions
- After Image Journaling

Storage Maps

Oracle Enterprise Manager-Konsole, Administrator:SYSMAN, Management Server:chp2348.ch.oracle.com

Netzwerk
Berichtdefinitionen
Ereignisse
Jobs
Datenbanken
Gruppen
HTTP-Server
Knoten
Listener
Oracle Rdb Databases
MYOEM.zkudec2
Instance
Schema
Security
Profiles
Roles
Users
Storage
After Image Jo
Partitions
Row Caches
Storage Areas
Storage Maps
OEMDNA.chvmsx
OEMMPJ.chvmsx
OEMTST.chvmsx
TREIN.nvms4

Map Name	Relation Name	Placement Via Index
CANDIDATES_MAP	CANDIDATES	
COLLEGES_MAP	COLLEGES	
DEGREES_MAP	DEGREES	
DEPARTMENTS_INDEX	DEPARTMENTS	DEPARTMENTS_INDE
EMPLOYEES_HASH	EMPLOYEES	EMPLOYEES_HASH
JOB_HISTORY_HASH	JOB_HISTORY	JOB_HISTORY_HASH
LISTS_MAP	RDB\$SEGMENTED_STRINGS	
RESUMES_MAP	RESUMES	
SALARY_HISTORY_MAP	SALARY_HISTORY	
WORK_STATUS_MAP	WORK_STATUS	

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Storage Areas

Oracle Enterprise Manager-Konsole, Administrator:SYSMAN, Management Server:chp2348.ch.oracle.com

Netzwerk
Berichtdefinitionen
Ereignisse
Jobs
Datenbanken
Gruppen
HTTP-Server
Knoten
Listener
Oracle Rdb Databases
MYOEM.zkudec2
Instance
Schema
Security
Profiles
Roles
Users
Storage
After Image Jo
Partitions
Row Caches
Storage Areas
Storage Maps
OEMDNA.chvmsx
OEMMPJ.chvmsx
OEMTST.chvmsx
TREIN.nvms4

Area File Name	Area Id	Area Name	Page Size
OSSRDB:[MKOBARGS.TEST]DEPARTMENTS.RDA;1	5	DEPARTMENTS	2
OSSRDB:[MKOBARGS.TEST]DEPARTMENTS.SNP;1	25		
OSSRDB:[MKOBARGS.TEST]EMPIDS_LOW.RDA;1	2	EMPIDS_LOW	2
OSSRDB:[MKOBARGS.TEST]EMPIDS_LOW.SNP;1	22		
OSSRDB:[MKOBARGS.TEST]EMPIDS_MID.RDA;1	3	EMPIDS_MID	2
OSSRDB:[MKOBARGS.TEST]EMPIDS_MID.SNP;1	23		
OSSRDB:[MKOBARGS.TEST]EMPIDS_OVER.RDA;1	4	EMPIDS_OVER	2
OSSRDB:[MKOBARGS.TEST]EMPIDS_OVER.SNP;1	24		
OSSRDB:[MKOBARGS.TEST]EMP_INFO.RDA;1	8	EMP_INFO	2
OSSRDB:[MKOBARGS.TEST]EMP_INFO.SNP;1	28		
OSSRDB:[MKOBARGS.TEST]JOBS.RDA;1	7	JOBS	2
OSSRDB:[MKOBARGS.TEST]JOBS.SNP;1	27		
OSSRDB:[MKOBARGS.TEST]MF_PERS_DEFAULT.RDA;1	1	RDB\$SYSTEM	2
OSSRDB:[MKOBARGS.TEST]MF_PERS_DEFAULT.SNP;1	21		
OSSRDB:[MKOBARGS.TEST]RESUMES.RDA;1	10	RESUMES	2
OSSRDB:[MKOBARGS.TEST]RESUMES.SNP;1	30		
OSSRDB:[MKOBARGS.TEST]RESUME_LISTS.RDA;1	9	RESUME_LISTS	6
OSSRDB:[MKOBARGS.TEST]RESUME_LISTS.SNP;1	29		
OSSRDB:[MKOBARGS.TEST]SALARY_HISTORY.RDA;1	6	SALARY_HISTORY	2
OSSRDB:[MKOBARGS.TEST]SALARY_HISTORY.SNP;1	26		

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Partitions

Oracle Enterprise Manager-Konsole, Administrator:SYSMAN, Management Server:chpc2348.ch.oracle.com

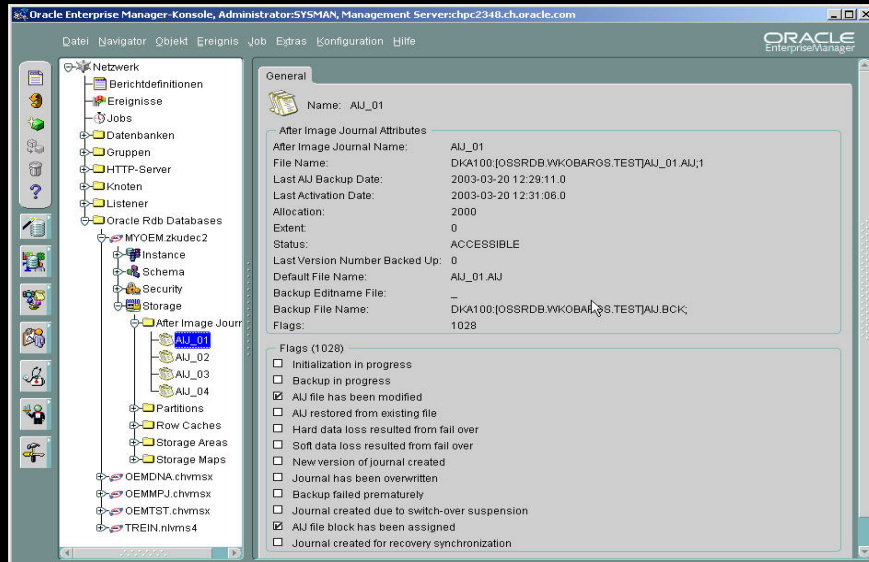
Partition Name	Map Name	Area Name
SYS_P00001	LISTS_MAP	RDB\$SYSTEM
SYS_P00075	EMPLOYEES_HASH	EMPIDS_LOW
SYS_P00076	EMPLOYEES_HASH	EMPIDS_MID
SYS_P00077	EMPLOYEES_HASH	EMPIDS_OVER
SYS_P00078	EMPLOYEES_MAP	EMPIDS_LOW
SYS_P00079	EMPLOYEES_MAP	EMPIDS_MID
SYS_P00080	EMPLOYEES_MAP	EMPIDS_OVER
SYS_P00081	JOB_HISTORY_HASH	EMPIDS_LOW
SYS_P00082	JOB_HISTORY_HASH	EMPIDS_MID
SYS_P00083	JOB_HISTORY_HASH	EMPIDS_OVER
SYS_P00084	JOB_HISTORY_MAP	EMPIDS_LOW
SYS_P00085	JOB_HISTORY_MAP	EMPIDS_MID
SYS_P00086	JOB_HISTORY_MAP	EMPIDS_OVER
SYS_P00087	DEPARTMENTS_INDEX	DEPARTMENTS
SYS_P00088	DEPARTMENTS_MAP	DEPARTMENTS
SYS_P00089	CANDIDATES_MAP	RDB\$SYSTEM
SYS_P00090	SALARY_HISTORY_MAP	SALARY_HISTORY
SYS_P00091	COLLEGES_MAP	EMP_INFO
SYS_P00092	DEGREES_MAP	EMP_INFO
SYS_P00093	WORK_STATUS_MAP	EMP_INFO
SYS_P00094	JOBS_MAP	JOBS
SYS_P00095	LISTS_MAP	RESUME_LISTS
SYS_P00096	RESUMES_MAP	RESUMES

Defined AIJ's

Oracle Enterprise Manager-Konsole, Administrator:SYSMAN, Management Server:chpc2348.ch.oracle.com

Journal Name	Journal Filename	Status	Last Activated	Last Backup
AIJ_01	DKA100:J06SRDB:WKOBARGS.TESTIAJ_01	ACCESSIBLE	2003-03-20 12:31:06.0	2003-03-20 12:29:11.0
AIJ_02	DKA100:J06SRDB:WKOBARGS.TESTIAJ_02	ACCESSIBLE	2003-03-20 12:23:36.0	2003-03-20 12:29:11.0
AIJ_03	DKA100:J06SRDB:WKOBARGS.TESTIAJ_03	ACCESSIBLE	2003-03-20 12:23:51.0	2003-03-20 12:29:11.0
AIJ_04	DKA100:J06SRDB:WKOBARGS.TESTIAJ_04	ACCESSIBLE	2003-03-20 12:27:35.0	2003-03-20 12:29:11.0

AIJ Definitions



Events and Jobs

- Event: Special situations in database or Rdb that need to be checked at certain times. E.g. AIJ n% full.
- Job: Tasks that need to be executed at certain times or when certain events need something to be done. E.g. make AIJ backup when AIJ file n% full.

Events

- Create: Object -> Create Event
- General Tab
- Test Tab
- Parameters Tab
- Schedule Tab
- Access Tab
- Fixit Tab
- Example: Fullness AIJ

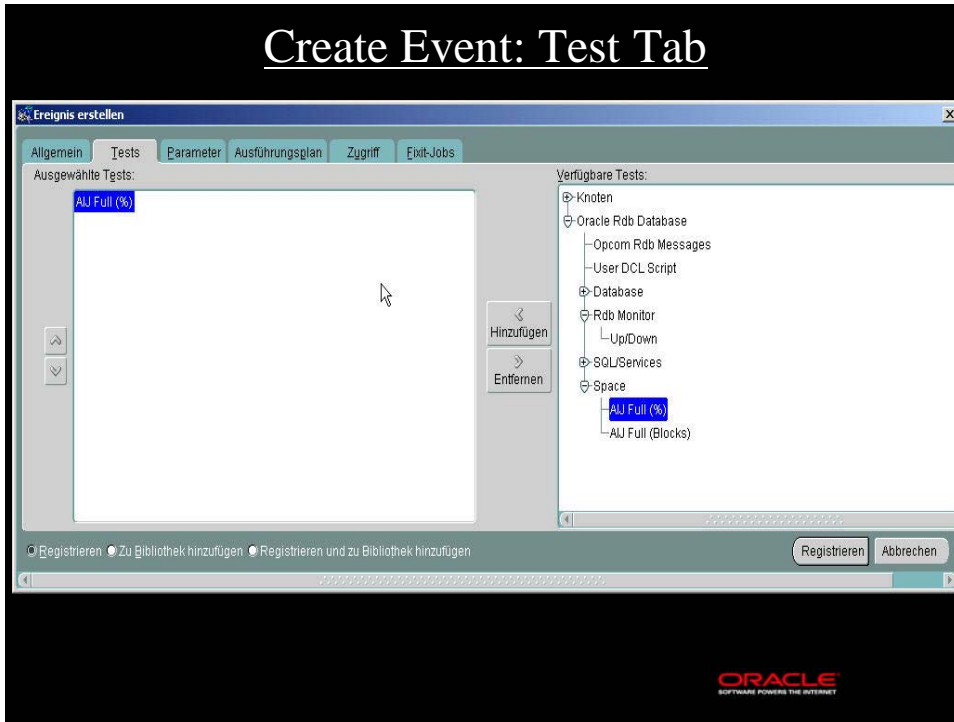
ORACLE
SOFTWARE POWERS THE INTERNET

Create Event: General Tab

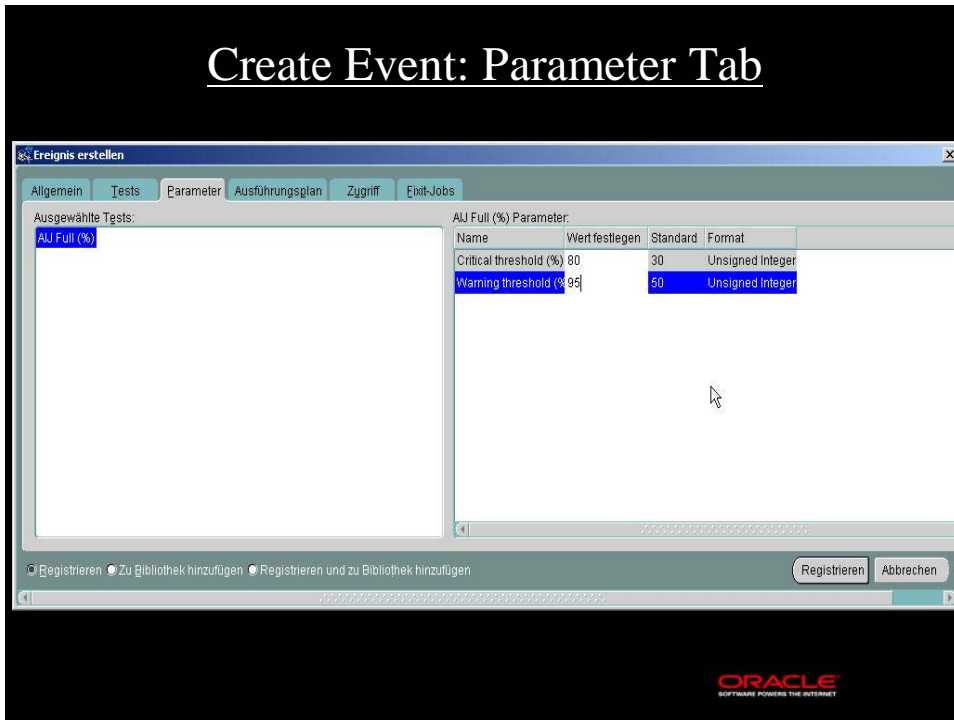
The screenshot shows the 'Ereignis erstellen' (Create Event) dialog box in the Oracle Event Manager. The 'Allgemein' (General) tab is selected. The 'Ereignisname' (Event Name) field contains 'MyEvent'. The 'Zieltyp' (Target Type) dropdown is set to 'Oracle Rdb Database'. The 'Beschreibung' (Description) field is empty. The 'Überwachte Ziele' (Monitored Targets) list contains 'MYOEMzkudec2'. The 'Verfügbare Ziele' (Available Targets) list contains 'OEMDNA.chwmsx', 'OEMMPJ.chwmsx', 'OEMTST.chwmsx', and 'TREIN.nhms4'. The 'OEMDNA.chwmsx' target is selected. The 'Hinzufügen' (Add) and 'Entfernen' (Remove) buttons are visible between the target lists. At the bottom, there are radio buttons for 'Registrieren' (Register), 'Zu Bibliothek hinzufügen' (Add to Library), and 'Registrieren und zu Bibliothek hinzufügen' (Register and Add to Library), along with 'Registrieren' and 'Abbrechen' (Cancel) buttons.

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SOFTWARE POWERS THE INTERNET

Create Event: Test Tab



Create Event: Parameter Tab



Create Event: Schedule Tab

Ereignis erstellen

Algemein Tests Parameter **Ausführungsplan** Zugriff Fixit-Jobs

Bei Intervall
 An Wochentag
 An Tag des Monats

Auswertung von Ereignistest:

Sofort nach Abschluss der Registrierung

Zu einer bestimmten Zeit: Tag: 3/20/2003 Zeit: 2:39 PM

Zeitzone: Agent

jede 0 Stunden und 10 Minuten
 jede 0 Tage

Registrieren Zu Bibliothek hinzufügen Registrieren und zu Bibliothek hinzufügen

Registrieren Abbrechen

ORACLE
SOFTWARE POWERS THE INTERNET

Create Event: Fixit Job

Ereignis erstellen

Algemein Tests Parameter Ausführungsplan Zugriff **Fixit-Jobs**

Wenn EINER der Tests ausgelöst wird, führen Sie einen Fixit-Job aus

Fixit-Job: SYSMAN/AU Backup Bearbeiten... Erstellen...

Ausgewählte Tests:

AU Full (%)

Registrieren Zu Bibliothek hinzufügen Registrieren und zu Bibliothek hinzufügen

Registrieren Abbrechen

ORACLE
SOFTWARE POWERS THE INTERNET

Jobs

- Create: Object -> Create Job -> Target type: Rdb Database
- General Tab
- Tasks Tab
- Parameters Tab
- Schedule Tab
- Access Tab (who is owner of Job)

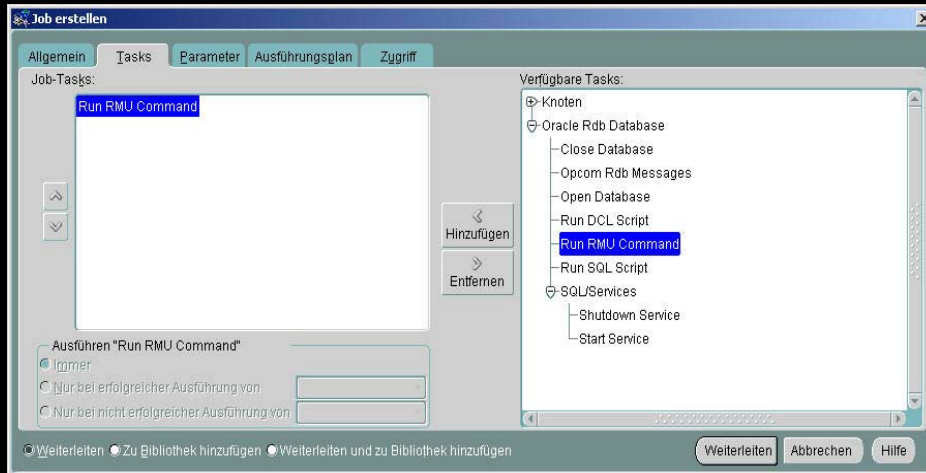
ORACLE
SOFTWARE POWERS THE INTERNET

Create Job: General Tab

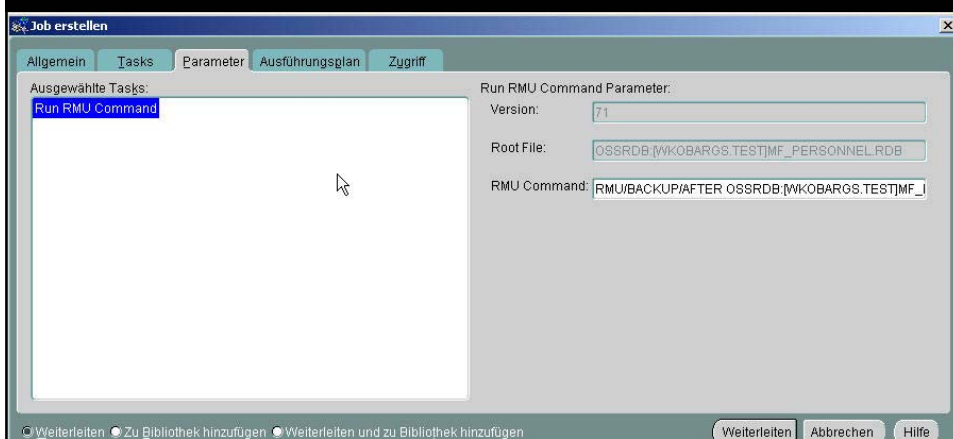
The screenshot shows the 'Job erstellen' (Create Job) wizard in Oracle Enterprise Manager. The 'Allgemein' (General) tab is active. The 'Job-Name' field contains 'AJ Backup'. The 'Zieltyp' (Target Type) is set to 'Oracle Rdb Database'. There is a checkbox for 'Bevorzugte ID-Daten des Knotens für ganzen Job außer Kraft setzen.' (Prefer node ID data for the entire job except for the following). Below this are fields for 'Benutzername' (Username) and 'Kennwort' (Password). The 'Ausgewählte Ziele' (Selected Targets) list contains 'MYOEM.zkudec2'. The 'Verfügbare Ziele' (Available Targets) list contains 'OEMDNA.chvmsx', 'OEMMPJ.chvmsx', 'OEMTST.chvmsx', and 'TREIN.nlvms4'. There are 'Hinzufügen' (Add) and 'Entfernen' (Remove) buttons between the two lists. At the bottom, there are radio buttons for 'Weiterleiten' (Next), 'Zu Bibliothek hinzufügen' (Add to Library), and 'Weiterleiten und zu Bibliothek hinzufügen' (Next and Add to Library), along with 'Weiterleiten', 'Abbrechen' (Cancel), and 'Hilfe' (Help) buttons.

ORACLE
SOFTWARE POWERS THE INTERNET

Create Job: Tasks Tab



Create Job: Parameters Tab



Create Job: Schedule Tab

Job erstellen

Allgemein | Tasks | Parameter | Ausführungsplan | **Zugriff**

Sofort
 Einmal
 Bei Intervall
 An Wochentag
 An Tag des Monats
 Als Fixit-Job

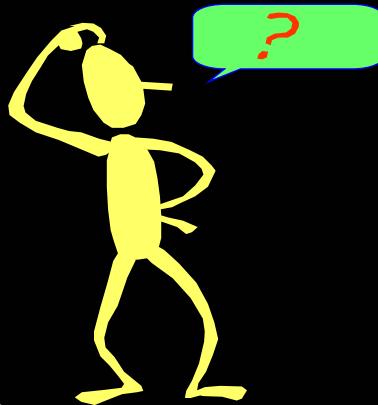
Ein Fixit-Job wird ausgeführt, wenn eine Ereignisbedingung auftritt. Sie können den Fixit-Job weiterleiten und dann mit einem Ereignis verknüpfen. Der Intelligente Agent führt den Fixit-Job immer dann aus, wenn das mit ihm verknüpfte Ereignis ausgelöst wird.

Weiterleiten Zu Bibliothek hinzufügen Weiterleiten und zu Bibliothek hinzufügen

Weiterleiten & Hinzufügen | Abbrechen | Hilfe

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Questions ?



E-mail:
Reinhold.Dicke@oracle.com
Marcel.Willems@oracle.com
Dr.Wolfgang.Kobarg-Sachsse@oracle.com

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