

A vertical stack of several dominoes is positioned on the left side of the slide. The dominoes are of various colors (brown, green, black) and have white dots. They are arranged in a slightly curved, overlapping manner.

MySQL und Lotus Domino

Anbindung von mySQL-Datenbanken
mittels ODBC und LotusScript

Gerald Peters, GS7 GmbH

Gerald Peters

- Diplom-Informatiker
- Erstes Projekt: Einführung Notes 3.3 mit 1500 Usern
- GS7 GmbH EDV-Beratung, www.gs7.de
- Lotus Domino - Full-Service
- DNUG-Regionalmeetings, Expertentreffen
- Das Wichtigste: www.tma99.de

Themen

- 
- **mySQL**
 - Die Datenbank
 - **ODBC**
 - Die Schnittstelle
 - **LS:DO**
 - Die Klassen
 - **Praxis**
 - **Fragen**

MySQL

- Server
- Distributionen
 - Source, Binaries, XAMPP
- Installation
- Konfiguration
 - Benutzer, Rechte

ODBC

- 
- ODBC-Manager
 - ODBC-Treiber
 - Konfiguration
 - DSN, Auswahl, Einstellungen

LS:DO

- 
- Einbindung
 - ODBCConnection Klasse
 - ODBCQuery Klasse
 - ODBCResultset Klasse

Praxis

- 
- ResultSets
 - Datenabgleich
 - RowID

MySQL-Server

- OpenSource vs. Lizenz
- Sourcecode und Binaries für viele Plattformen
- Einfach, Transaktionen, MaxDB
- Distributionen Linux, XAMPP
- Service, Commandline-Tools

Installation, Konfiguration

- Demo
- **mySQL**

Use `mysql;`

Update user set host = ` % `

where user = `root`

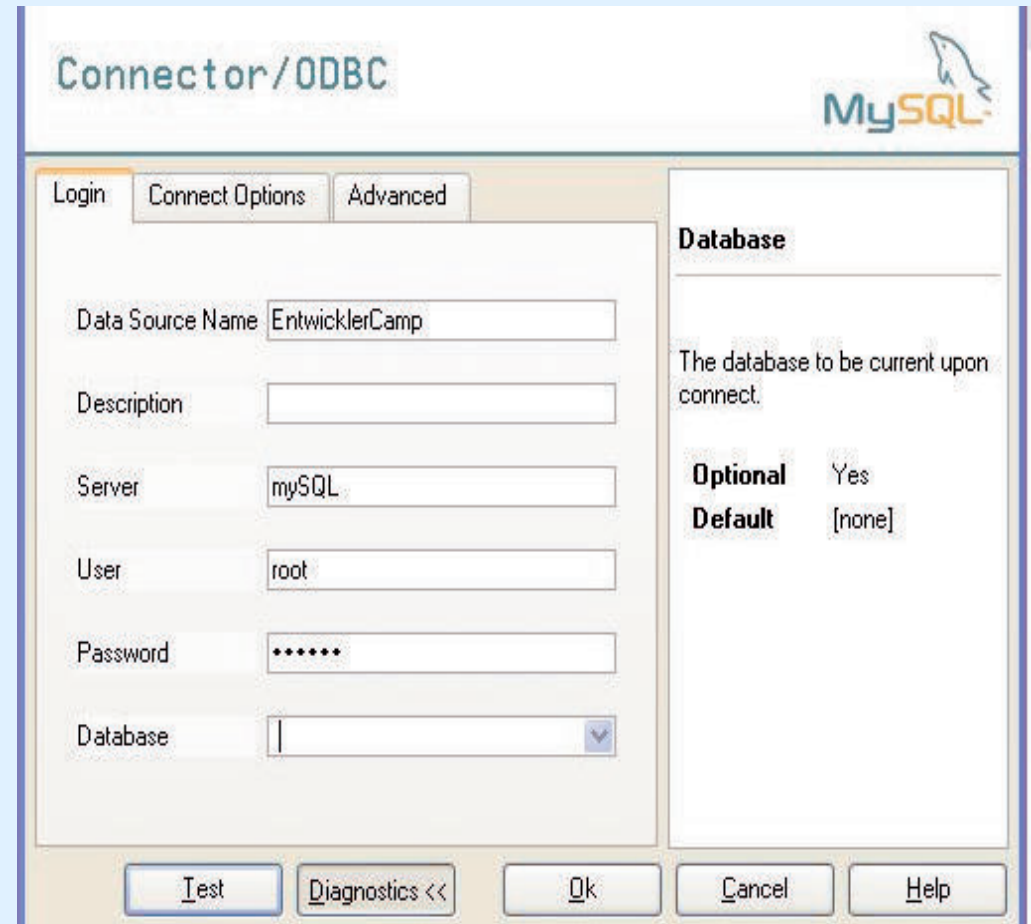
- **mysqladmin**

Flush-privileges -u root -p

- **MySQL Up and Running**

ODBC-Installation

- Aktuelle Version 3.5
- Demo
- Konfiguration



The screenshot shows the 'Connector/ODBC' configuration window for MySQL. It has three tabs: 'Login', 'Connect Options', and 'Advanced'. The 'Login' tab is active. The 'Data Source Name' is set to 'EntwicklerCamp'. The 'Server' is set to 'mySQL'. The 'User' is set to 'root'. The 'Password' is masked with dots. The 'Database' is set to an empty dropdown. On the right, the 'Database' section explains that this is the database to be current upon connect. Below this, there are two options: 'Optional' set to 'Yes' and 'Default' set to '[none]'. At the bottom, there are buttons for 'Test', 'Diagnostics <<', 'Ok', 'Cancel', and 'Help'.

Field	Value
Data Source Name	EntwicklerCamp
Description	
Server	mySQL
User	root
Password	*****
Database	

Database

The database to be current upon connect.

Optional Yes

Default [none]

Buttons: Test, Diagnostics <<, Ok, Cancel, Help

LS:DO

Einbindung

– In (Options): `uselsx "*LSXODBC"`

Dann stehen die Klassen

- ODBCConnection
- ODBCQuery
- ODBCResultset

Zur Verfügung

ODBCConnection



Dim conCamp as New ODBCConnection

*status = conCamp.***ConnectTo**(
 dataSourceName\$
 [, *userID\$*
 [, *password\$*
]))

ODBCConnection

A vertical stack of several dominoes is positioned on the left side of the slide, partially obscuring the text.

*status = conCamp.***Disconnect**

*status = conCamp.***IsConnected**

*conCamp.***SilentMode = status**

ODBCConnection



```
sourceArray = conCamp.
```

```
ListDataSources
```

```
tableArray = conCamp. ListTables(
```

```
    [ dataSourceName$
```

```
    [ , userID$
```

```
    [ , password$ ] ] )
```

```
fieldArray = conCamp.ListFields( [
```

```
    tableName$ ] )
```

ODBCQuery



```
Dim qryCamp As New ODBCQuery
```

```
qryCamp.SQL = statement$
```

```
Set qryCamp.Connection = conCamp
```

ODBCResultSet



```
Dim rsCamp As New ODBCResultSet
```

```
Set rsCamp.Query = qryCamp
```

```
status = rsCamp.Execute
```

```
status = rsCamp.Close
```

ODBCResultSet

flag% = *rsCamp*.**IsResultSetAvailable**

Do

rsCamp.NextRow

vorname

=*rsCamp*.GetValue("VORNAME",*vorname*)

Name1 = *rsCamp*.GetValue("NAME1", *Name1*)

' do something

Loop Until *result*.IsEndOfData

Praxis

- 
- *rsCamp.CacheLimit = limit&*
 - *rsCamp.ReadOnly = flag%*
 - `qryCamp.SQL = "SELECT * FROM person
WHERE Vorname = ?vname? "`

Datenabgleich

A vertical stack of several dominoes, showing different faces with dots, is positioned on the left side of the slide.

NICHT:

Löschen und Neuanlegen

Felder zuweisen, wenn nichts geändert wurde

Problem:

Datentypen und Konvertierung

RowID gibt es in mySQL nicht