

## Oracle MapViewer QuickStart Kit auf Oracle Linux 5

### Einleitung

Nachdem ich mir in Oracle Virtual Box eine Oracle 11.2 Datenbank installiert habe, kommt jetzt das Oracle MapViewer QuickStart Kit mit den entsprechenden Demos zum Einsatz.

### Downloads

Es werden folgende Downloads benötigt:

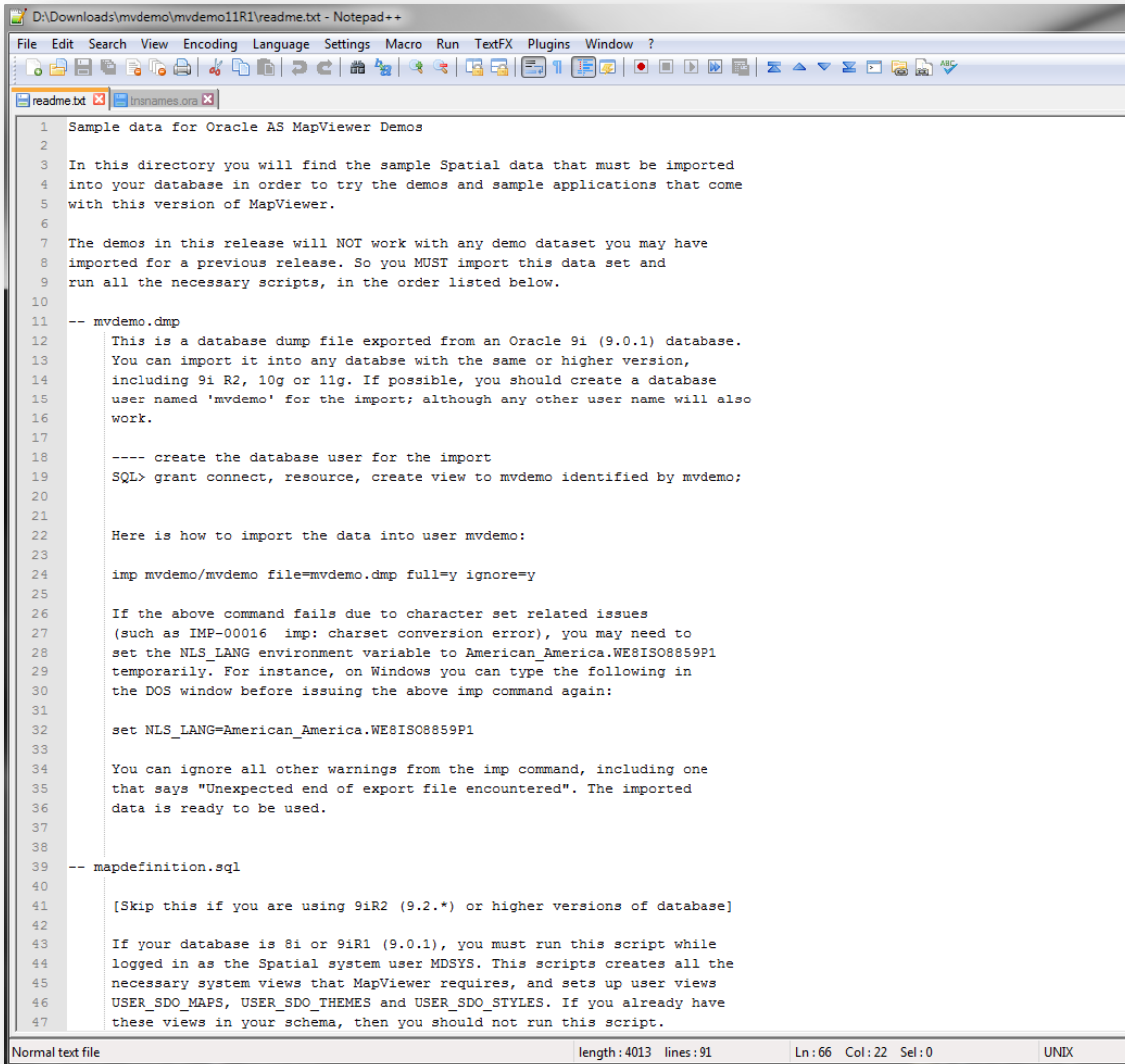
<http://www.oracle.com/technetwork/middleware/mapviewer/downloads/index.html>

- MapViewer QuickStart Kit
- MVDEMO Sample DataSet

### Installation MVDEMO

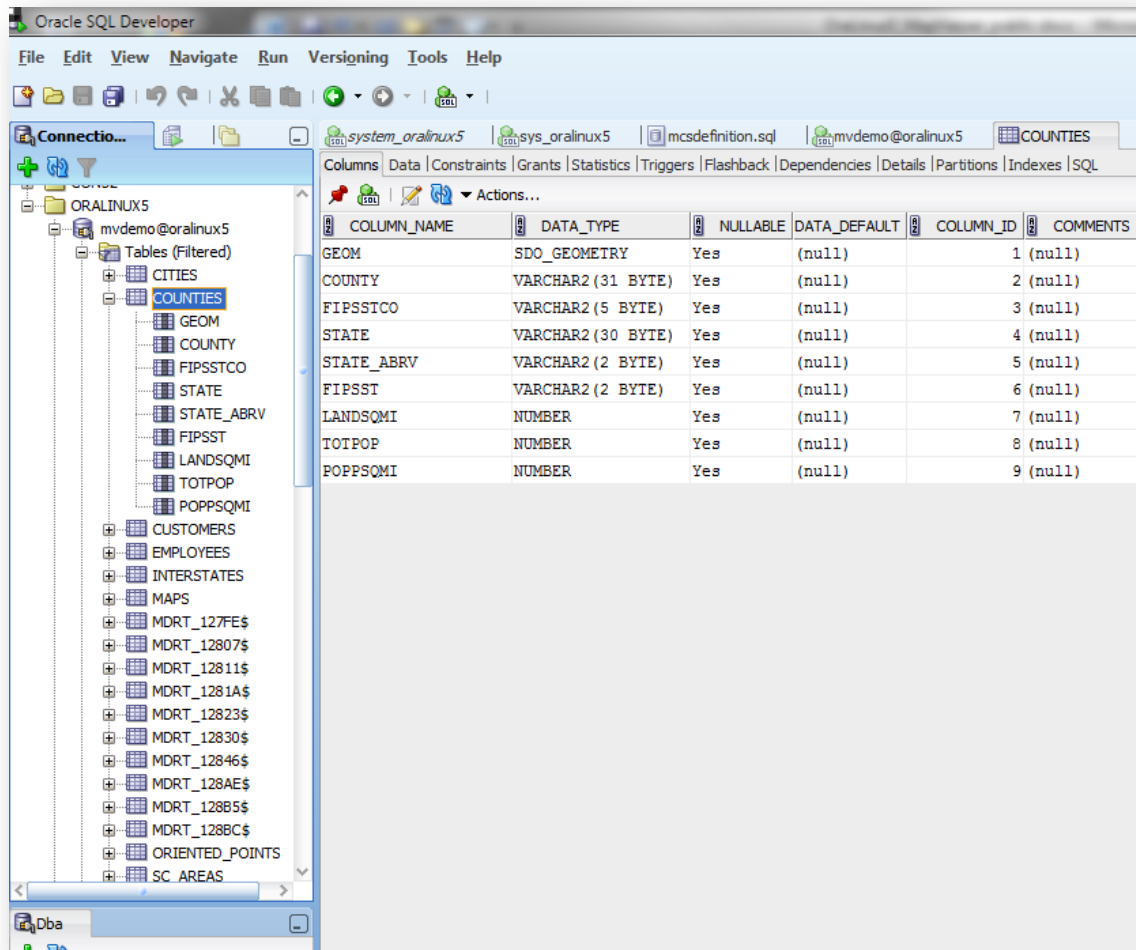
Beide Downloads entpacken. Wir fangen mit der Installation der MVDEMO Daten an.

In der Datei readme.txt stehen alle benötigten Schritte, die einfach der Reihe nach ausgeführt werden müssen. Es ist weiter nichts Besonderes zu beachten.

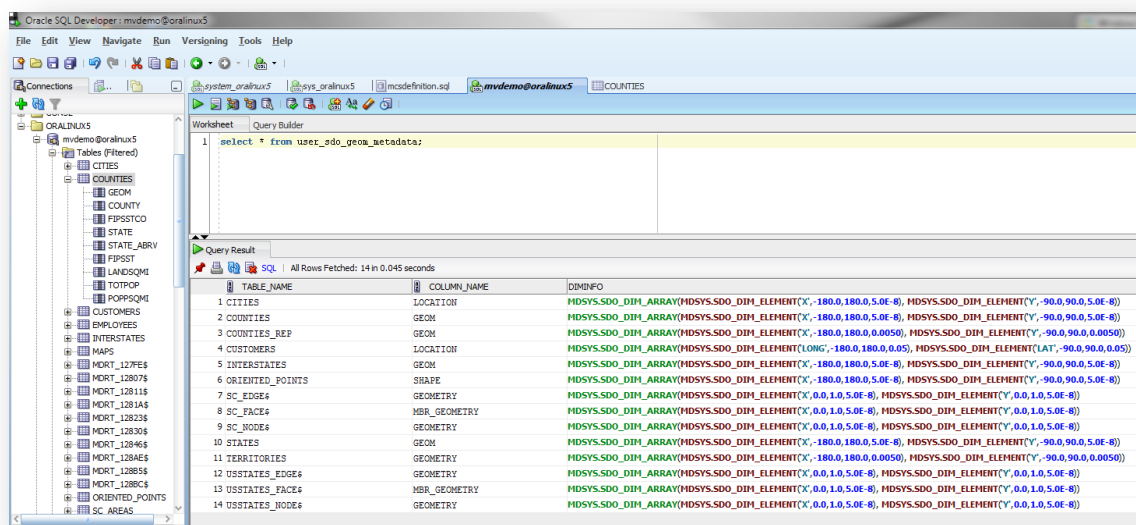


```
D:\Downloads\mvdemo\mvdemo11R1\readme.txt - Notepad++
File Edit Search View Encoding Language Settings Macro Run TextFX Plugins Window ?
readme.txt insnames.ora
1 Sample data for Oracle R5 MapViewer Demos
2
3 In this directory you will find the sample Spatial data that must be imported
4 into your database in order to try the demos and sample applications that come
5 with this version of MapViewer.
6
7 The demos in this release will NOT work with any demo dataset you may have
8 imported for a previous release. So you MUST import this data set and
9 run all the necessary scripts, in the order listed below.
10
11 -- mvdemo.dmp
12 This is a database dump file exported from an Oracle 9i (9.0.1) database.
13 You can import it into any database with the same or higher version,
14 including 9i R2, 10g or 11g. If possible, you should create a database
15 user named 'mvdemo' for the import; although any other user name will also
16 work.
17
18 ---- create the database user for the import
19 SQL> grant connect, resource, create view to mvdemo identified by mvdemo;
20
21
22 Here is how to import the data into user mvdemo:
23
24 imp mvdemo/mvdemo file=mvdemo.dmp full=y ignore=y
25
26 If the above command fails due to character set related issues
27 (such as IMP-00016 imp: charset conversion error), you may need to
28 set the NLS_LANG environment variable to American_America.WE8ISO8859P1
29 temporarily. For instance, on Windows you can type the following in
30 the DOS window before issuing the above imp command again:
31
32 set NLS_LANG=American_America.WE8ISO8859P1
33
34 You can ignore all other warnings from the imp command, including one
35 that says "Unexpected end of export file encountered". The imported
36 data is ready to be used.
37
38
39 -- mapdefinition.sql
40
41 [Skip this if you are using 9iR2 (9.2.*) or higher versions of database]
42
43 If your database is 8i or 9iR1 (9.0.1), you must run this script while
44 logged in as the Spatial system user MDSYS. This script creates all the
45 necessary system views that MapViewer requires, and sets up user views
46 USER_SDO_MAPS, USER_SDO_THEMES and USER_SDO_STYLES. If you already have
47 these views in your schema, then you should not run this script.
Normal text file length:4013 lines:91 Ln:66 Col:22 Sel:0 UNIX
```

Nach der Installation kann z.B. mit dem SQL Developer eine Verbindung zum Server aufgebaut werden.

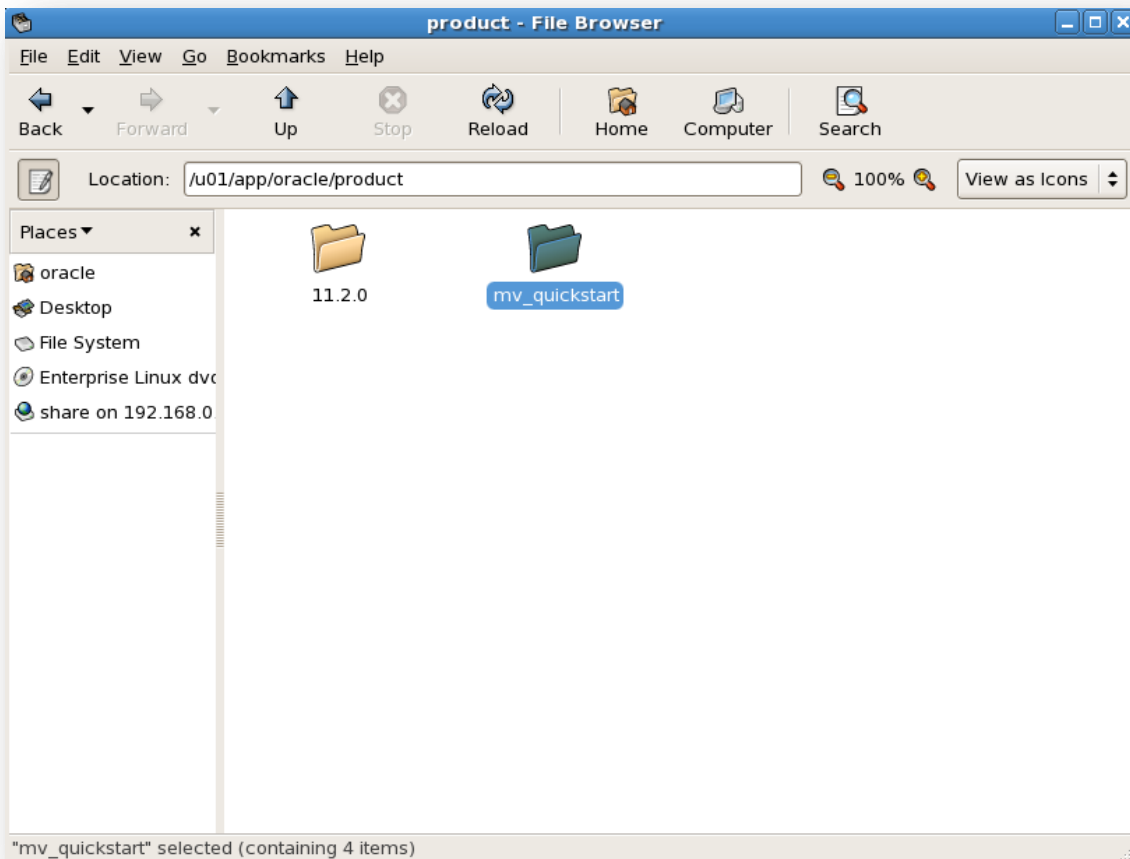


Eine Überprüfung der USER\_SDO\_GEOM\_METADATA sollte erfolgen:

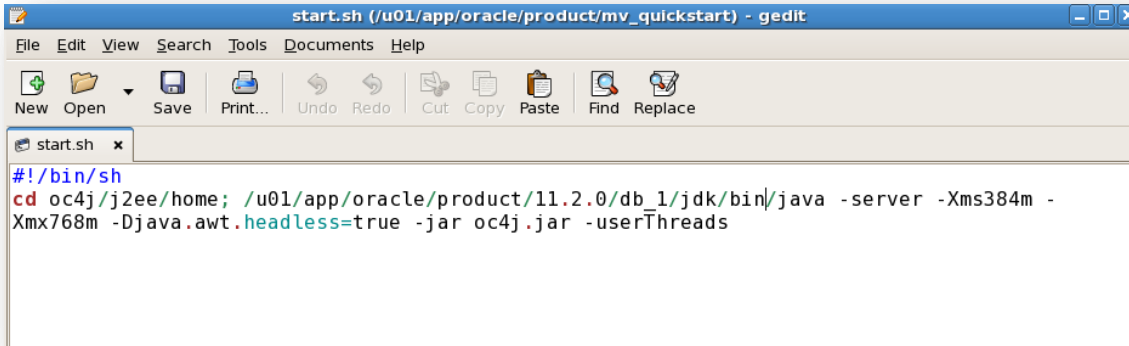


## Installation des QuickStart Kits

Das Quickstart Kit habe ich auf dem Linux Server als Oracle Benutzer in das Verzeichnis /u01/app/oracle/product/mv\_quickstart kopiert.

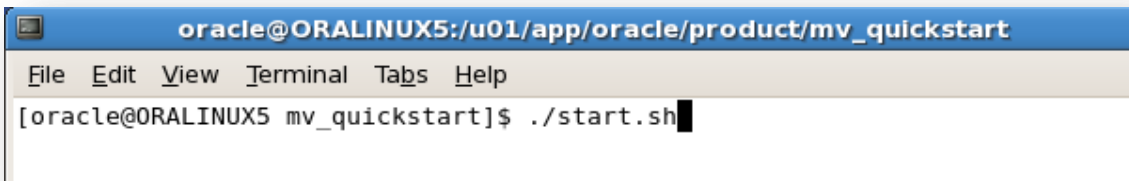


In diesem Verzeichnis muss die start.sh Datei angepasst werden. Es muss eine vorhandene Pfadangabe auf das Java SDK gesetzt werden. Ich habe dabei das JDK aus der Datenbankinstallation genutzt.



```
start.sh (/u01/app/oracle/product/mv_quickstart) - gedit
File Edit View Search Tools Documents Help
New Open Save Print... Undo Redo Cut Copy Paste Find Replace
start.sh x
#!/bin/sh
cd oc4j/j2ee/home; /u01/app/oracle/product/11.2.0/db_1/jdk/bin/java -server -Xms384m -
Xmx768m -Djava.awt.headless=true -jar oc4j.jar -userThreads
```

Danach wird die Datei start.sh als oracle Benutzer ausgeführt (Start in der Konsole). Beim ersten Start muss das Kennwort für den Administrator angegeben werden, das Script wartet dabei auf die Benutzereingabe.

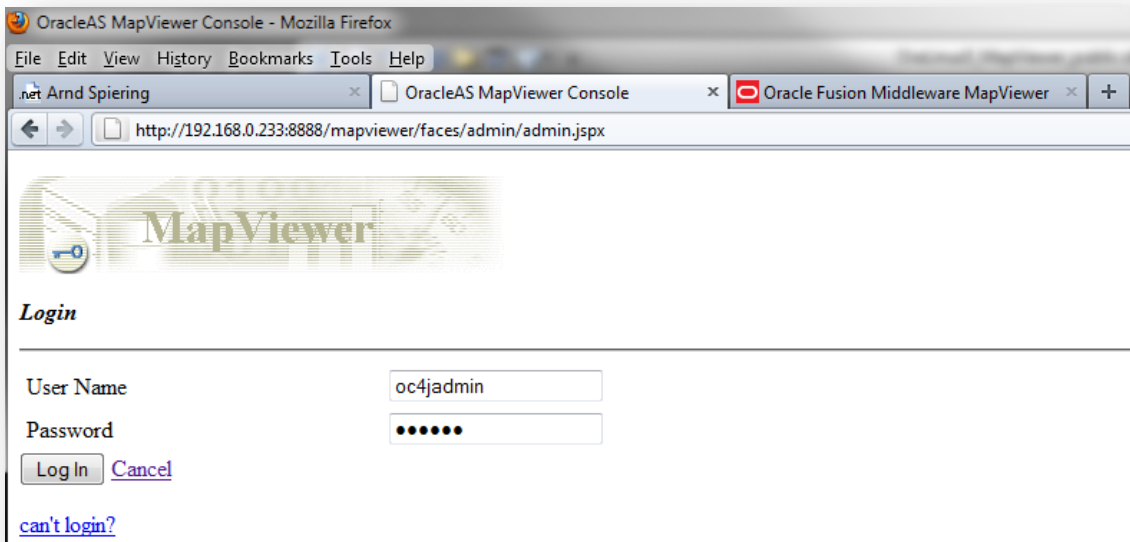


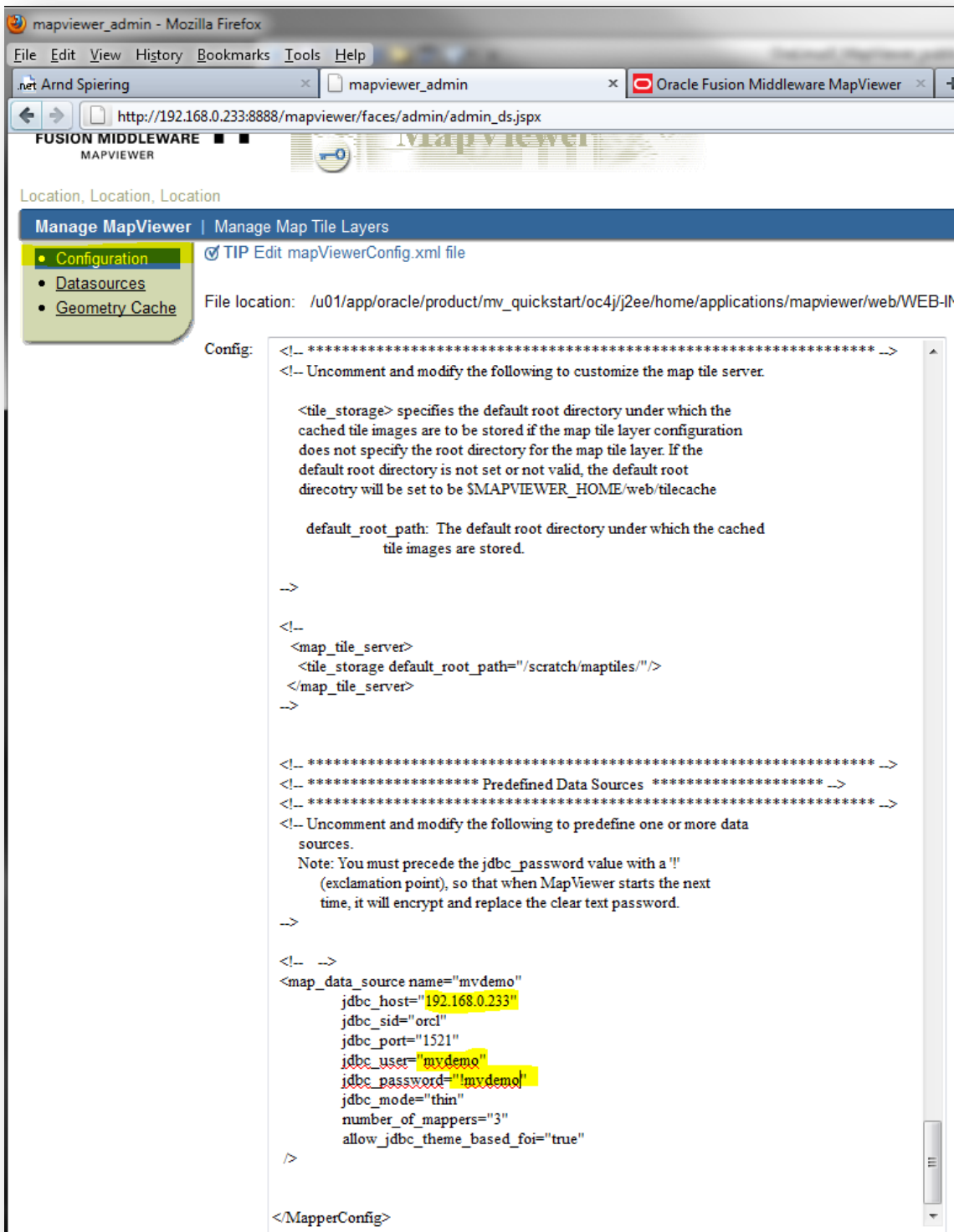
```
oracle@ORALINUX5:/u01/app/oracle/product/mv_quickstart
File Edit View Terminal Tabs Help
[oracle@ORALINUX5 mv_quickstart]$ ./start.sh
```

Die Ausgabe stoppt mit dem Hinweis **\*\*\* Oracle MapTileServer startet \*\*\***.

```
oracle@ORALINUX5:/u01/app/oracle/product/mv_quickstart
File Edit View Terminal Tabs Help
2011-03-29 12:45:11.437 NOTIFICATION added a mapper instance to the pool [data s
rc=mvdemo]
2011-03-29 12:45:11.440 NOTIFICATION added a mapper instance to the pool [data s
rc=mvdemo]
2011-03-29 12:45:11.441 NOTIFICATION added a mapper instance to the pool [data s
rc=mvdemo]
2011-03-29 12:45:11.442 NOTIFICATION Map Recycling thread started.
2011-03-29 12:45:11.452 NOTIFICATION *** Oracle MapViewer started. ***
2011-03-29 12:45:12.320 NOTIFICATION *** Oracle Feature of Interest (FOI) Server
started. ***
2011-03-29 12:45:12.814 WARNING Invalid cache root directory:/scrtach/mvdemomaps
/. Cache root directory will be set to default root directory.
2011-03-29 12:45:12.874 WARNING Invalid cache root directory:/scrtach/mvdemomaps
/. Cache root directory will be set to default root directory.
2011-03-29 12:45:12.936 NOTIFICATION Initialize tile layer MVDEMO.CUSTOMER_MAP
2011-03-29 12:45:12.939 WARNING Invalid cache root directory:/scrtach/mvdemomaps
/. Cache root directory will be set to default root directory.
2011-03-29 12:45:12.946 NOTIFICATION Tile layer initialized.
2011-03-29 12:45:12.948 NOTIFICATION Initialize tile layer MVDEMO.DEMO_MAP
2011-03-29 12:45:12.949 WARNING Invalid cache root directory:/scrtach/mvdemomaps
/. Cache root directory will be set to default root directory.
2011-03-29 12:45:12.955 NOTIFICATION Tile layer initialized.
2011-03-29 12:45:13.119 NOTIFICATION *** Oracle MapTileServer started. ***
```

Das war es auch schon. Jetzt wird der MapViewer über das Browserinterface konfiguriert.





```
<!-- ***** -->
<!-- Uncomment and modify the following to customize the map tile server.

<tile_storage> specifies the default root directory under which the
cached tile images are to be stored if the map tile layer configuration
does not specify the root directory for the map tile layer. If the
default root directory is not set or not valid, the default root
direcotry will be set to be $MAPVIEWER_HOME/web/tilecache

default_root_path: The default root directory under which the cached
tile images are stored.

-->
<!--
<map_tile_server>
<tile_storage default_root_path="/scratch/maptiles"/>
</map_tile_server>
-->

<!-- ***** -->
<!-- ***** Predefined Data Sources ***** -->
<!-- ***** -->
<!-- Uncomment and modify the following to predefine one or more data
sources.
Note: You must precede the jdbc_password value with a '!'
(exclamation point), so that when MapViewer starts the next
time, it will encrypt and replace the clear text password.
-->
<!-- -->
<map_data_source name="mvdemo"
  jdbc_host="192.168.0.233"
  jdbc_sid="orcl"
  jdbc_port="1521"
  jdbc_user="mydemo"
  jdbc_password="!mydemo!"
  jdbc_mode="thin"
  number_of_mappers="3"
  allow_jdbc_theme_based_foi="true"
/>

</MapperConfig>
```

Die DataSource MVDEMO wird angelegt. Nach dem Neustart des MapViewers steht die Verbindung zur Verfügung.

Jetzt können die mitgelieferten Demos gestartet werden.

Tutorial: Learning Oracle Maps by Example - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Arnd Spiering OracleAS MapViewer Home Tutorial: Learning Oracle Maps by Exa... Tutorial: Learning Oracle Maps by Exa... Oracle Fusion Middleware MapViewer

http://192.168.0.233:8888/mapviewer/fsmc/tutorial/demos.html oracle linux GLIBCXX\_3.4.9

## Tutorial: Learning Oracle Maps by Example

Introduction  
Getting started  
What's in a map  
Demo setup  
Running the demos

Clicking on a demo link will open a new browser window where the demo map will be displayed.

Make sure you have performed all the setup tasks listed [here first!](#)

### Oracle Maps demos

Id	Demo	Description
1	<a href="#">Display Map</a>	This example shows how to display a map.
2	<a href="#">Zoom In/Out</a>	This example shows how to add zoom control outside the map area.
3	<a href="#">Navigation Panel</a>	This example shows how to add the in-map navigation panel.
4	<a href="#">Theme Based FOI layer</a>	This example shows how to add/remove a Theme Based FOI layer to the map. Note that this particular FOI layer is associated with the theme 'customers' in the datasource 'invdemo'.
5	<a href="#">Theme Based FOI layer visibility</a>	This example shows how to show/hide an existing Theme Based FOI layer.
6	<a href="#">Custom Marker for a Theme Based FOI layer</a>	This example shows how to set a custom marker for a Theme Based FOI layer.
7	<a href="#">Event Listeners for a Theme Based FOI layer</a>	This example shows how to setup custom event listeners for a Theme Based FOI layer.
8	<a href="#">Get FOI attributes from a Theme Based FOI layer</a>	This example shows how to get the attributes that are retained from query results for specific FOI objects in a Theme Based FOI layer.
9	<a href="#">Refresh a Theme Based FOI layer</a>	This example shows how to refresh a Theme Based FOI layer.
10	<a href="#">Templated Theme Based FOI layer</a>	This example shows how to use a templated Theme Based FOI layer. A templated Theme Based FOI layer is associated with a MapViewer theme whose query condition contains binding variables. You can supply actual values for these binding variables at run-time in the client API, so that MapViewer only fetches features that satisfy these conditions based on the supplied values.
11	<a href="#">Add Remove, Show/Hide FOI</a>	This example shows how to add/remove, show/hide individual FOI. Note that Mapviewer will automatically transform the FOI geometry coordinates if the srid of FOI geometry is different from that of the base map.
12	<a href="#">FOI Utilities</a>	This example shows some other utility methods to customize various aspects of FOI interaction.
13	<a href="#">Marker FOIs</a>	This example shows how to create and display custom marker features on the map.
14	<a href="#">Custom content FOIs</a>	This example shows how to create FOIs with custom HTML contents.



Map Cache Server/Map Client - Mozilla Firefox

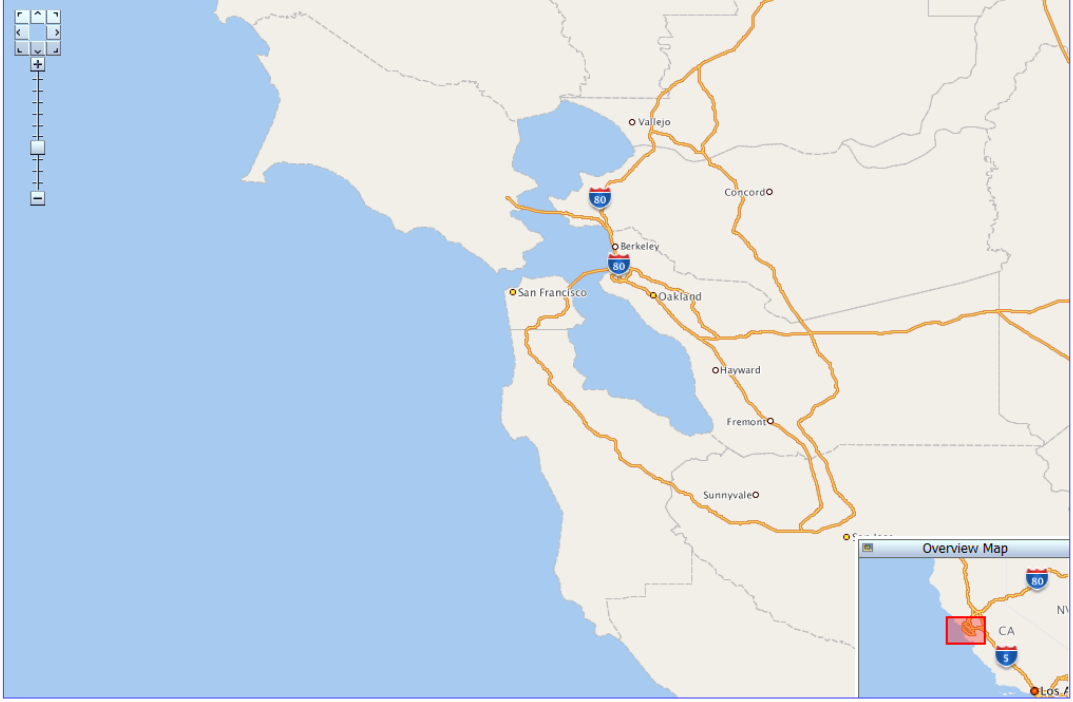
File Edit View History Bookmarks Tools Help

Arnd Spiering OracleAS MapViewer ... Tutorial: Learning Ora... Map Cache Server/M... Tutorial: Learning Ora... Oracle Fusion Middle...

http://192.168.0.233:8888/mapviewer/fsmc/tutorial/samples/doc1 oracle linux GLIBCXX\_3.4.9

### Oracle Maps example - collapsible overview map

[Toggle overview map](#)



**Instructions**

This example shows how to add an overview map as a collapsible element inside the main map. You can drag the small red rectangle within the overview map to recenter the main map.

Note that when you collapse the overview map, its minimized icon will automatically disappear into the bottom edge of the map after a few seconds. If you mouse over the bottom area of the map where the minimized icon disappeared, it will reemerge so that you can un-collapse the overview map.

Weitere Informationen sind im MapViewer Tutorial und in der API Beschreibung zu finden.