



Autodesk®
Topobase™

Archive – Technical Training

Autodesk Topobase Administrator



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Chapter Overview

- Chapter introduces the Autodesk Topobase 2009 system architecture.
- Shows how to install the TBSYS schema.

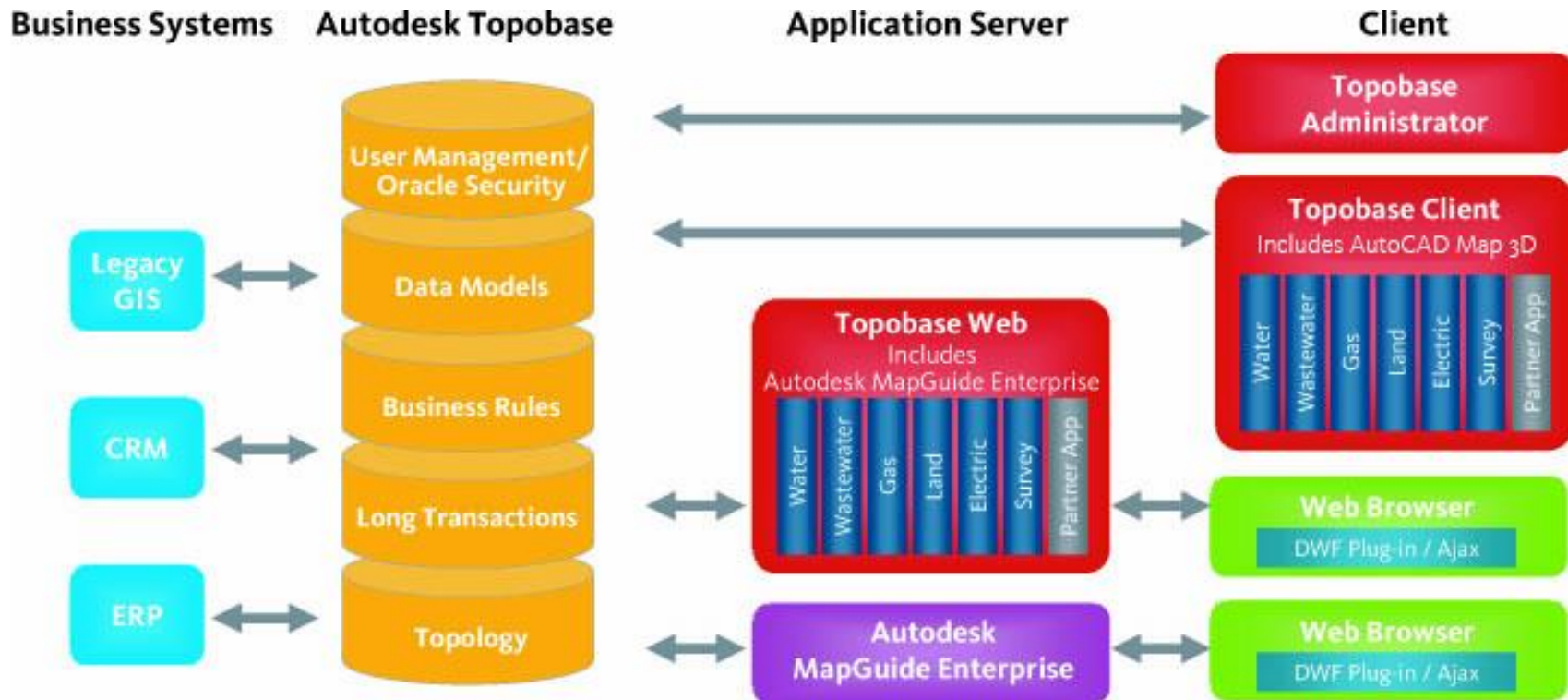
Topobase System Architecture

Chapter Objectives

By the end of this chapter, you will be able to:

- Describe the Autodesk Topobase 2009 components and how they relate to each other.
- Describe Autodesk Topobase 2009 architecture.
- Describe Autodesk Topobase 2009 installation considerations.

1.1.1 Architecture Overview



1.1.2 Components

- Oracle RDBMS
- Topobase Client
- Topobase Standalone Client
- Topobase Web
- Topobase Administrator
- Industry-specific modules
- Autodesk MapGuide Enterprise

1.1.3 Functionalities

Some important functional concepts of Topobase 2009:

- Data Model
- Topology
- Jobs
- Business Rules
- Workflows
- Spatial Functions

1.2.1 Database Server

- Topobase 2009 requires an Oracle Database.

Requirements for Topobase Server

- ***Versions (one of the following)***
 - Oracle Database 10g Release 2 (latest version)
 - Oracle Database 11g Release 1 (11.1.0.6.0)
- ***Editions (one of the following)***
 - Personal Edition
 - Standard Edition
 - Standard Edition One
 - Enterprise Edition

1.2.1 Database Server +

Requirements for Topobase Client

- ***Versions (one of the following)***

- Oracle Database 10g Client Release 2 Administrator (Not Instant or Run-time)
- Oracle Database 11g Client Release 1 Administrator (Not Instant or Run-time)

Requirements for Oracle location functionality

- ***Oracle Locator***

- Topobase 2009 and all its verticals (e.g. electricity, water) require Oracle Locator for 2D enabled Documents.

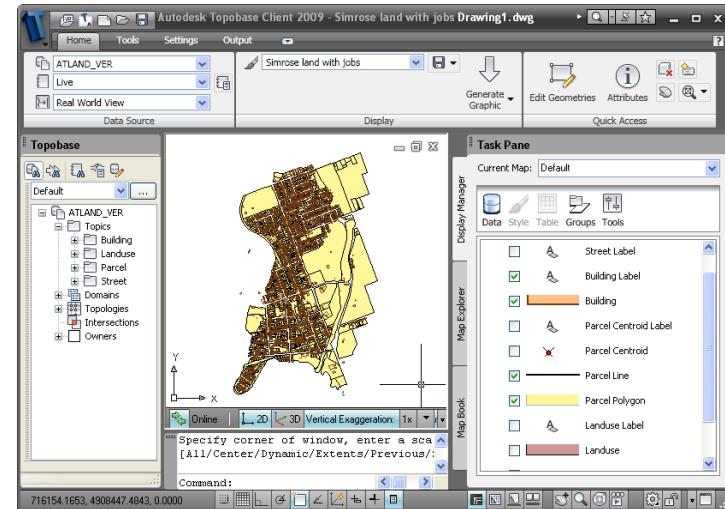
- ***Oracle Spatial Option***

- If you want to use **3D** enabled documents in Topobase, you have to install Oracle 11g.

1.2.2 Topobase Client

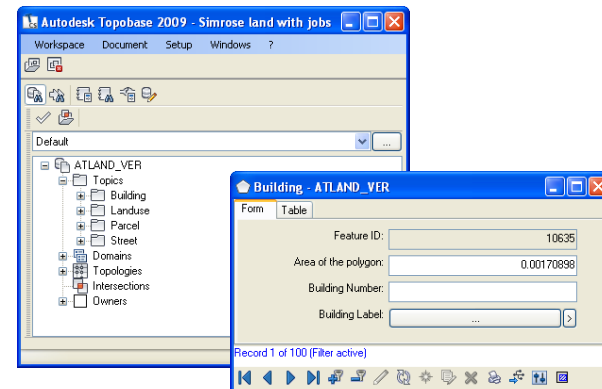
Topobase Desktop Client

- component that manages geometric and attribute data stored in the Oracle database.
- contains the full functionality of Map 3D and AutoCAD.



Topobase Standalone Client

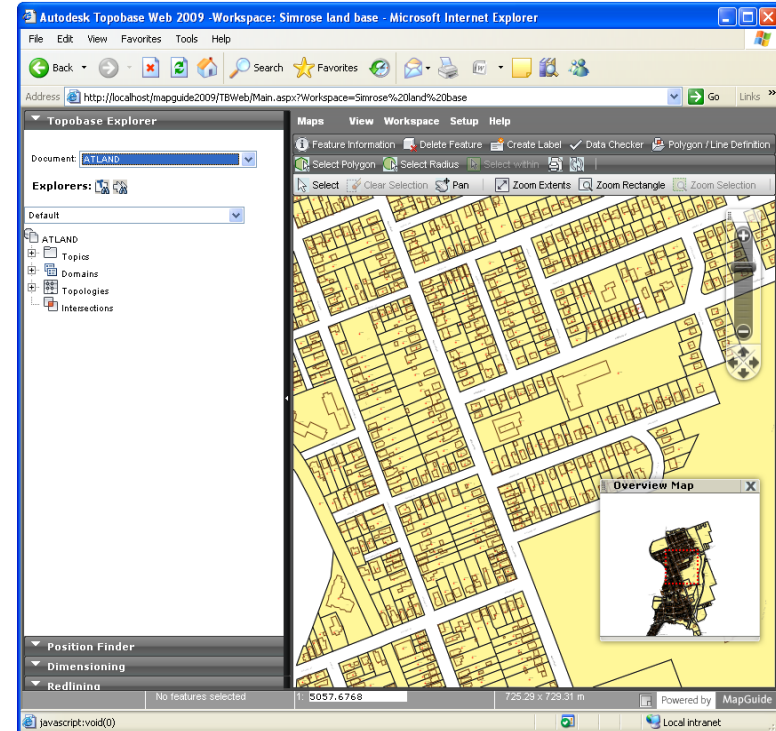
- an application for working on alphanumerical features without Autodesk Map 3D.



1.2.2 Topobase Client +

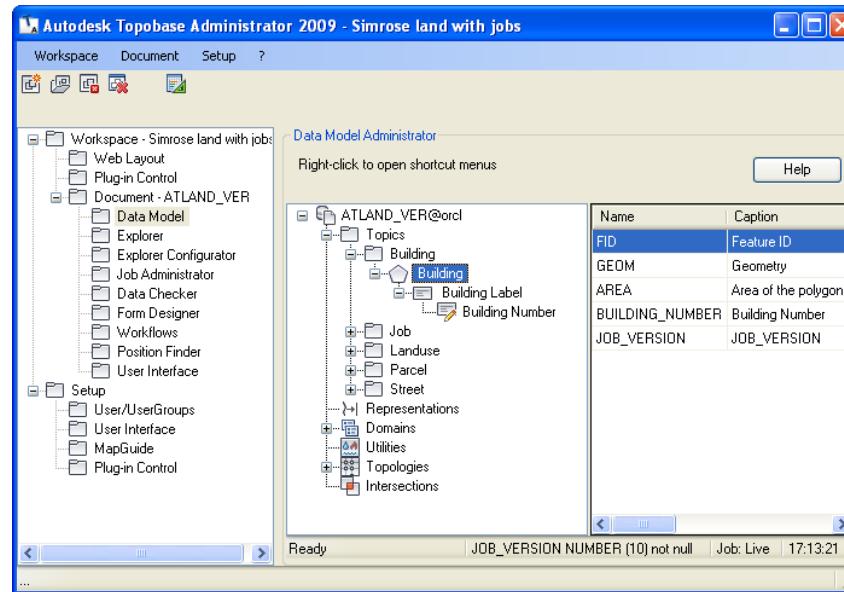
Topobase Web Client

- allows the viewing and editing of data in the Topobase database through a browser-based interface based on Autodesk MapGuide Enterprise.



1.2.3 Topobase Administrator

- The Topobase Administrator 2009 provides functions for a multitude of administrative processes needed to operate the Topobase application.



1.2.4 Industry-Specific Modules

The specialized modules included with Autodesk Topobase 2009 are:

- Topobase Water
- Topobase Wastewater
- Topobase Gas
- Topobase Electric
- Partner Applications

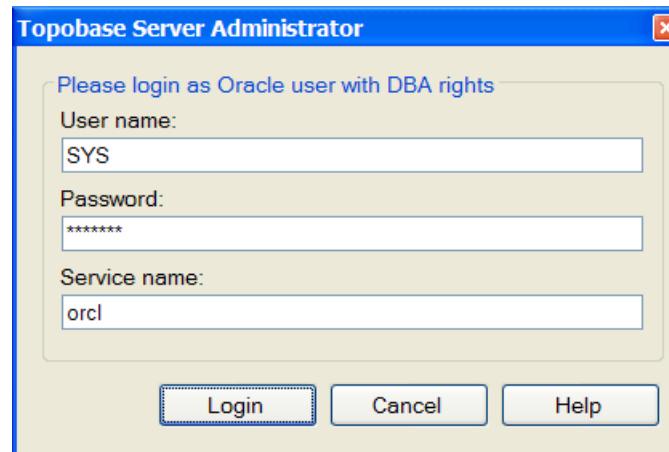
1.3 Installation Considerations

- After Autodesk Topobase 2009 is installed, you can use the Topobase Server Administrator to create the TBSYS Oracle schema in the Oracle database.
- To create the TBSYS schema, perform the following steps:
 - Launch the Topobase Server Administrator.
 - Check the Oracle System (SYS) User.
 - Check the Spatial System (MDSYS) User.
 - Create the Topobase System (TBSYS) User.

1.3.2 Topobase Server Administrator

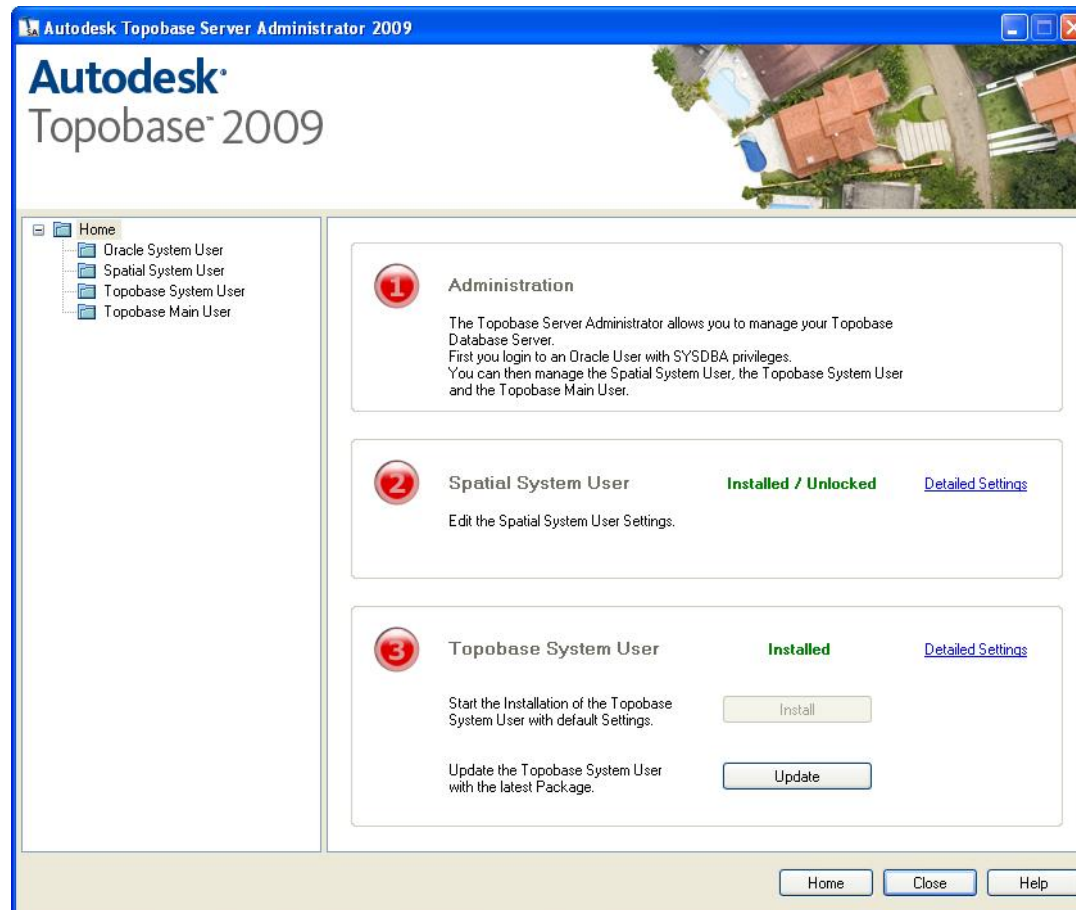
Launch the Topobase Server Administrator

- Launch **Start menu > All Programs > Autodesk > Autodesk Topobase Administrator 2009 > Autodesk Topobase Server Administrator 2009.**
- Log on as Oracle system (SYS) user:



1.3.2 Topobase Server Administrator +

Launch the Topobase Server Administrator



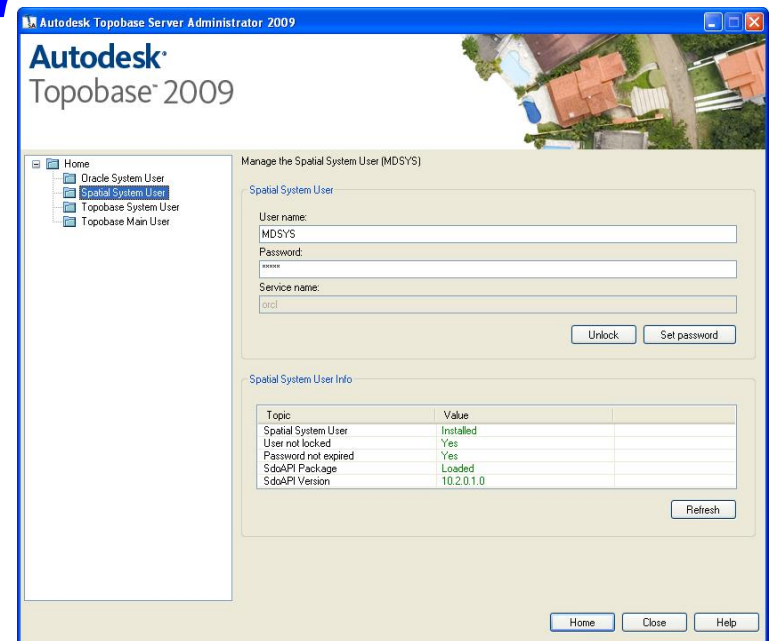
1.3.2 Topobase Server Administrator ++

Check the Oracle System (SYS) User

- Click **Oracle System User**.
- Verify that the service name is correct for this user.

Check the Oracle System (SYS) User

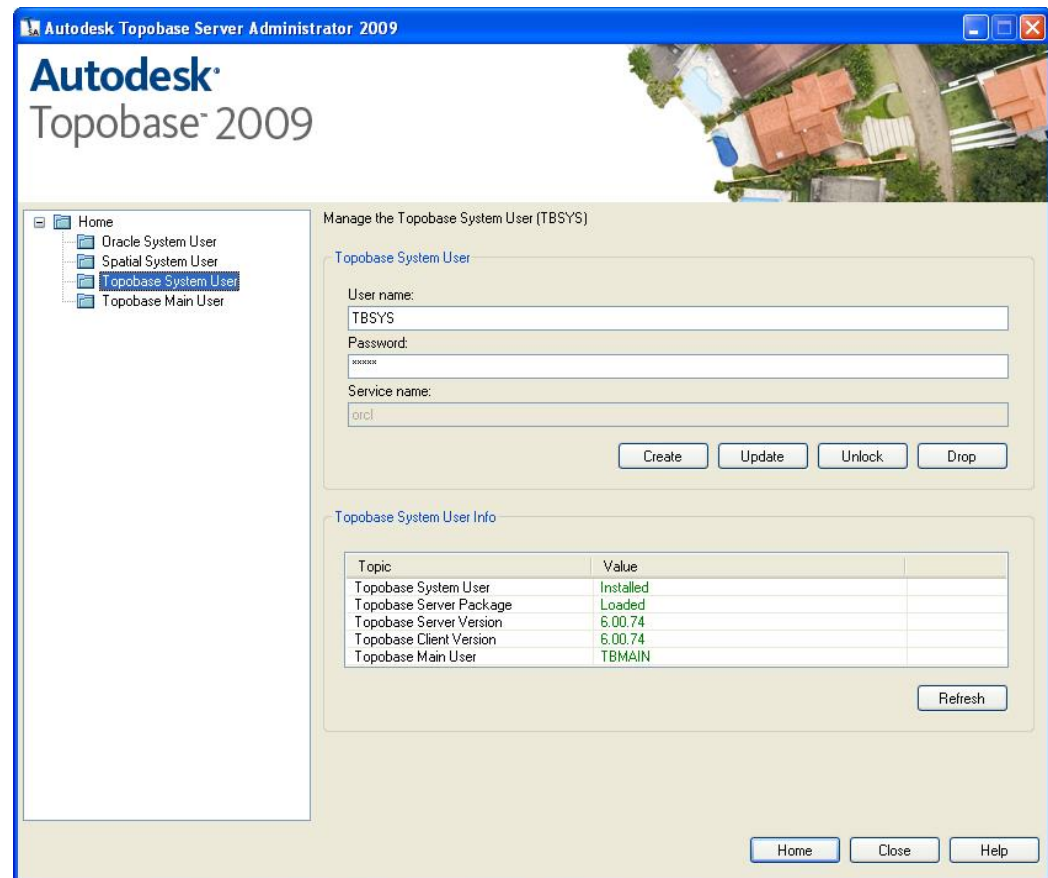
- Click **Spatial System User**.
- Verify that the Oracle MDSYS user was properly loaded, the user is unlocked, and the password is not expired.



1.3.2 Topobase Server Administrator +++

Create the Topobase System (TBSYS) User

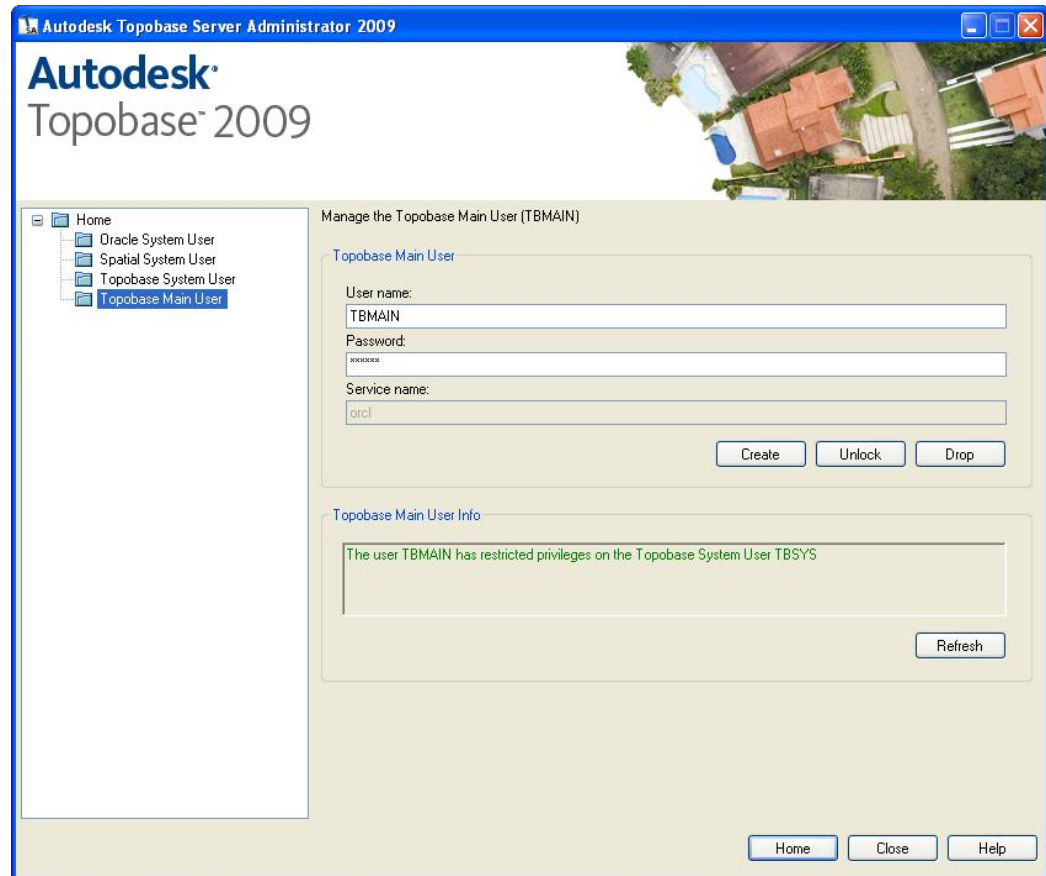
- Click **Topobase System User**.
- Click **Create** to create the TBSYS database schema.



1.3.2 Topobase Server Administrator ++++

Create the Topobase Main (TBMAIN) User

- If you do not want to provide TBSYS credentials to all Topobase users, you can create a Topobase Main User.



1.4 Chapter Summary

- You should now be able to:
 - Describe the Autodesk Topobase 2009 components and how they relate to each other.
 - Describe Autodesk Topobase 2009 architecture.
 - Describe Autodesk Topobase 2009 installation considerations.

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