

Create a JNDI Database Connection in Tomcat

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How can I create a JNDI database connection in Tomcat for use in voice applications?

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Introduction

This document explains how to create a new Java naming and directory interface (JNDI) database connection in Tomcat. These instructions help utilize the built-in database element or create custom code that accesses database functionality through JNDI.

Prerequisites

Components Used

The information in this document is based on Cisco Unified Call Services, Universal Edition, and Cisco Unified Call Studio, Universal Edition.

Conventions

Refer to Cisco Technical Tips Conventions for more information on document conventions.

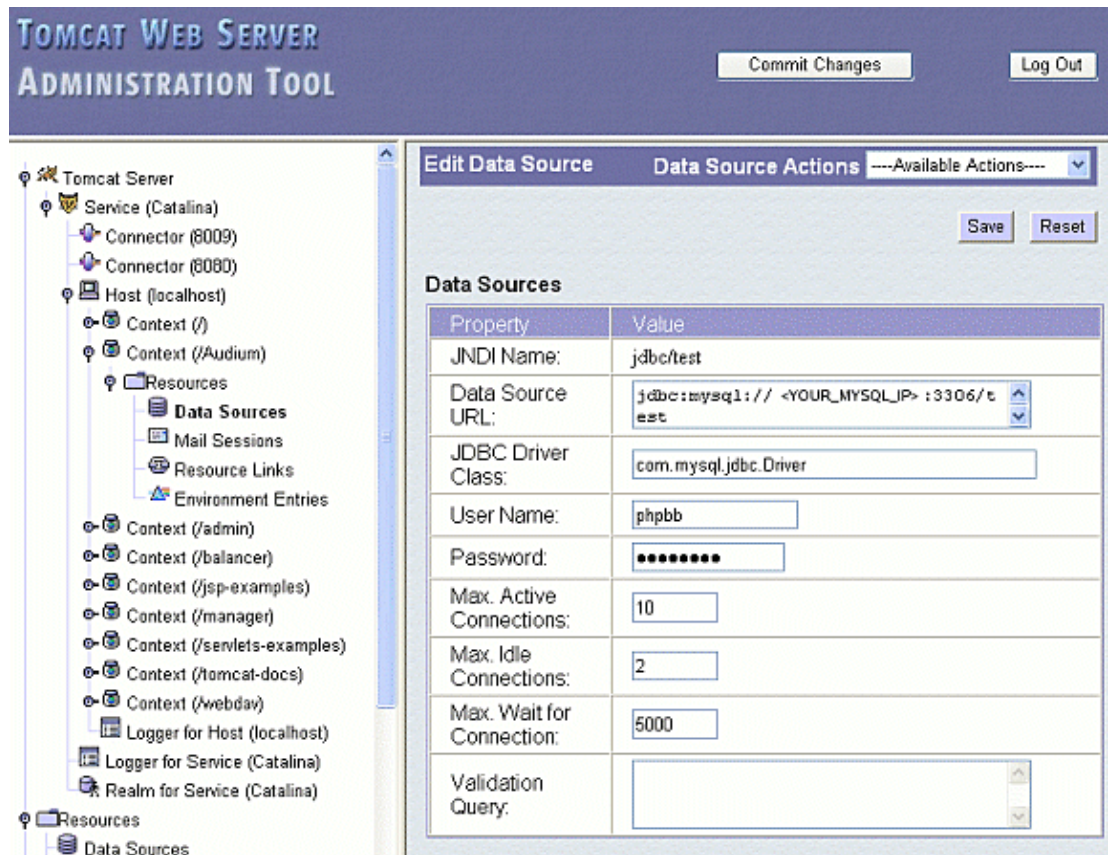
How can I create a JNDI database connection in Tomcat for use in voice applications?

Symptoms: The developer wants to create a new JNDI database connection in Tomcat.

Resolution: Follow these instructions to create a new JNDI database connection in Tomcat:

1. Download and install the `com.mysql.jdbc.Driver` class.
 - a. You can download it from mysql.com.
 - b. We highly recommend Version 3.1.11 (or higher) since Version 3.1.10 has compatibility problems.
 - c. The recommended location for the JAR file that includes this class is `TOMCAT/common/lib`, but you can place the JAR file anywhere in your classpath if this is not an appropriate location for your setup.
2. Add a Data Source under the `/Audium` context in Tomcat. It is highly recommended that the web-based interface be used for this since several text fields need to be filled out, rather than an XML file.

- a. Access the web interface.
- b. Expand the Host (hostname) branch and then the Context (/Audium) branch.
- c. Click **Data Sources** and add the data source.



3. The data source must be named **jdbc/ANY_NAME_YOU_CHOOSE**. For example, you can choose **jdbc/DBConnection**.
4. Enter the URL of the database in **Data Source URL** field.
5. Enter the username and password of the database user that has the rights to access the database listed in Step 4.
6. Click the **Commit Changes** button to save this new data source after it has been added.
7. In the voice application, edit the configuration of the database element in question.
 - a. Set the JNDI name to the **ANY_NAME_YOU_CHOOSE** portion of the information you entered in the Tomcat settings.
 - b. For example, you can enter **DBConnection**.

Note: You must not include the **jdbc/** portion here.

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