

# GERONIMO データソースの作成

[GERONIMO]

ver 1.1.1

Tomcat の場合

まず、GERONIMO のリポジトリに、JDBC ドライバを登録する必要がある。メニューから Common Libs を選択



GERONIMO/repository ディレクトリ以下の構成になって、各項目を設定し、Install

**Add Archive to Repository**

File	<input type="text" value="-INF%lib%ojdbc14.jar"/>	<input data-bbox="694 958 837 1014" type="button" value="参照..."/>
Group:	<input type="text" value="oracle"/>	
Artifact:	<input type="text" value="ojdbc"/>	
Version:	<input type="text" value="14"/>	
Type:	<input type="text" value="jar"/>	

Database pool の作成



Database pool wizard を起動

## Database Pools

This page lists all the available database pools.

For each pool listed, you can click the **usage** link to see

Name	
SystemDataSource	Server-wi

Create a new database pool:

- ◆ [Using the Geronimo database pool wizard](#)
- ◆ [Import from JBoss 4](#)
- ◆ [Import from WebLogic 9.1](#)

Oracle Express Edition の Database pool を作成

## Database Pools

### Create Database Pool -- Step 1: Select Name and Database

**Name of Database Pool:**

A name that is different than the name for in the name please).

**Database Type:**  ▼

The type of database the pool will connect

さっき登録した JDBC 情報を選択し、ユーザ、パスワード等必要な情報を設定

## Database Pools

### Create Database Pool -- Step 2: Select Driver, JAR, Parameters

**JDBC Driver Class:**

See the documentation for your JDBC driver.

**Driver JAR:**

openejb/openejb-core/2.1.1/jar  
openejb/openejb-pkgen-builder/2.1.1/jar  
oracle/jdbc/14/jar  
org.apache.derby/derby/10.1.1.0/jar  
org.apache.derby/derbyclient/10.1.1.0/jar  
org.apache.derby/derbynet/10.1.1.0/jar  
org.apache.derby/derbytools/10.1.1.0/jar  
org.apache.pluto/pluto/1.0.1/jar  
portlet-api/portlet-api/1.0/jar  
scout/jaxr-api/0.5/jar

The JAR(s) required to make a connection to the database. Use CTRL-click multiple jars.

The JAR(s) should already be installed under Geronimo/repository/ (or

**DB User Name:**

The username used to connect to the database

**DB Password:**

The password used to connect to the database

#### Driver Connection Properties

## Database Pools

### Create Database Pool -- Step 3: Final Pool Configuration

**JDBC Connect URL:**

Make sure the generated URL fits the syntax for your JDBC driver.

**Driver Status:** *Loaded Successfully*

#### Connection Pool Parameters

**Pool Min Size:**

The minimum number of connections in the pool. Leave blank for default.

**Pool Max Size:**

The maximum number of connections in the pool. Leave blank for default.

**Blocking Timeout:**

(in milliseconds)

The length of time a caller will wait for a connection. Leave blank for default.

**Idle Timeout:**

(in minutes)

How long a connection can be idle before being closed. Leave blank for default.

Deploy する

## Database Pools

### Create Database Pool -- Step 4: Test Connection

**Test Result:** Connected to Oracle Oracle Database 10g Express Edition Release 10.1.0.4.0

Deploy

Show Plan

[Cancel](#)

新しい Database pool が作成された

## Database Pools

This page lists all the available database pools.

For each pool listed, you can click the **usage** link to see examples of how to use the pool from your application.

Name	Deployed As	State	Actions
Fugitive	Server-wide	running	<a href="#">edit usage</a>
SystemDataSource	Server-wide	running	<a href="#">edit usage</a>

右のほうの usage を選択すると、使用法が書いてある。

from your application.



WEB-INF/web.xml に以下を追記

```
<resource-ref>
  <res-ref-name>jdbc/fugitive</res-ref-name>
  <res-type>javax.sql.DataSource</res-type>
  <res-auth>Container</res-auth>
  <res-sharing-scope>Shareable</res-sharing-scope>
</resource-ref>
```

WEB-INF/geronimo-web.xml を作成し、以下を記述

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app
  xmlns="http://geronimo.apache.org/xml/ns/j2ee/web-1.1">
  <environment>
    <moduleId>
      <artifactId>fugitive</artifactId>
    </moduleId>
    <dependencies>
      <dependency>
        <groupId>console.dbpool</groupId>
        <artifactId>Fugitive</artifactId>
      </dependency>
    </dependencies>
  </environment>
  <context-root>/fugitive</context-root>

  <!-- security settings, if any, go here -->

  <resource-ref>
```

```
<ref-name>jdbc/fugitive</ref-name>
<pattern>
  <groupId>console.dbpool</groupId>
  <artifactId>Fugitive</artifactId>
  <name>Fugitive</name>
</pattern>
</resource-ref>
</web-app>
```

## アプリケーションから利用

```
InitialContext ctx = new InitialContext();
DataSource ds = ctx.lookup("java:comp/env/jdbc/fugitive");
```