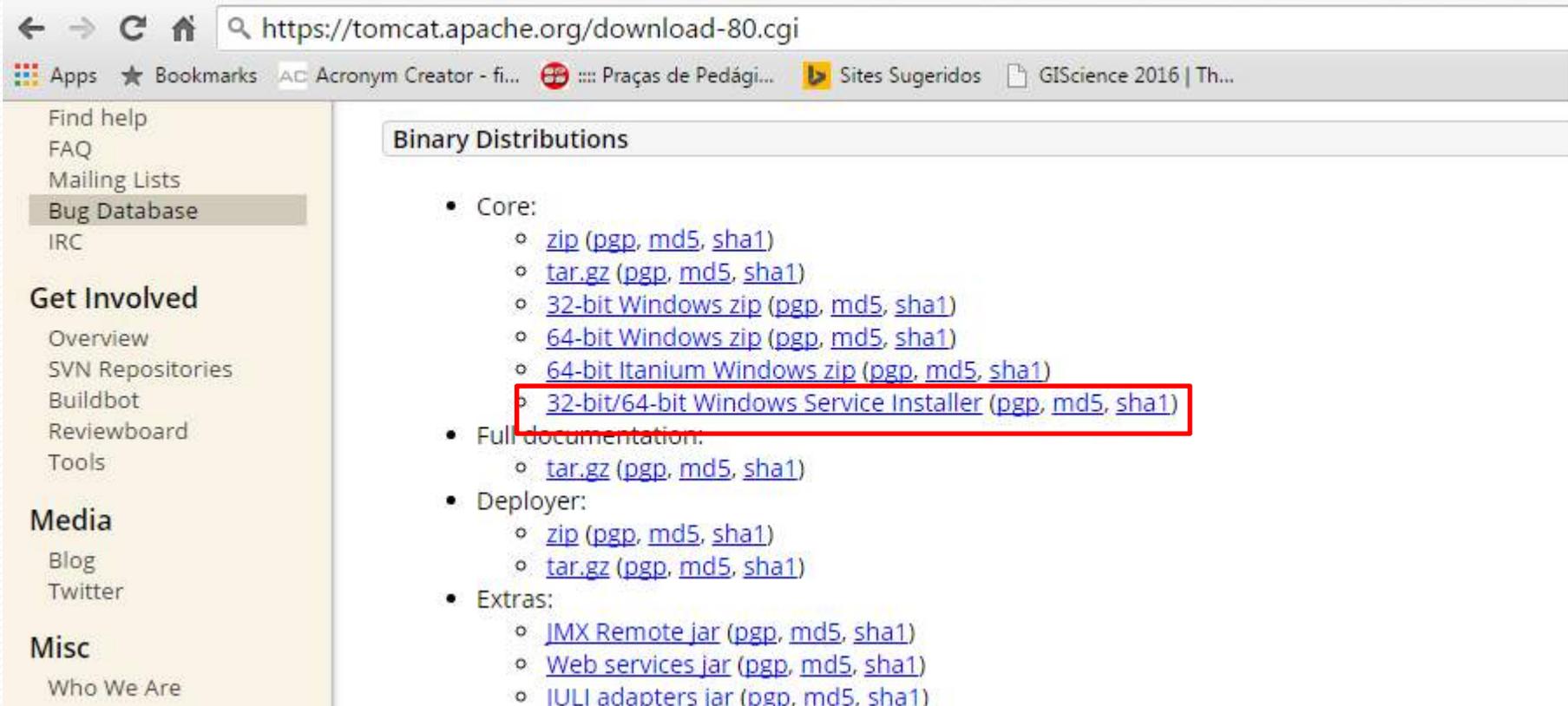


# Mondrian Tutorial Instalação

Anderson Chaves Carniel  
Prof. Dra. Cristina Dutra de Aguiar Ciferri

# Requisitos

- Instalação do Java JDK e JRE mais recentes
- Instalação do Tomcat Apache 8.0
  - <https://tomcat.apache.org/download-80.cgi>



The screenshot shows a web browser window with the address bar containing the URL <https://tomcat.apache.org/download-80.cgi>. The page content is titled "Binary Distributions" and lists several download options. A red box highlights the link for "32-bit/64-bit Windows Service Installer (pgp, md5, sha1)".

Find help  
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Binary Distributions

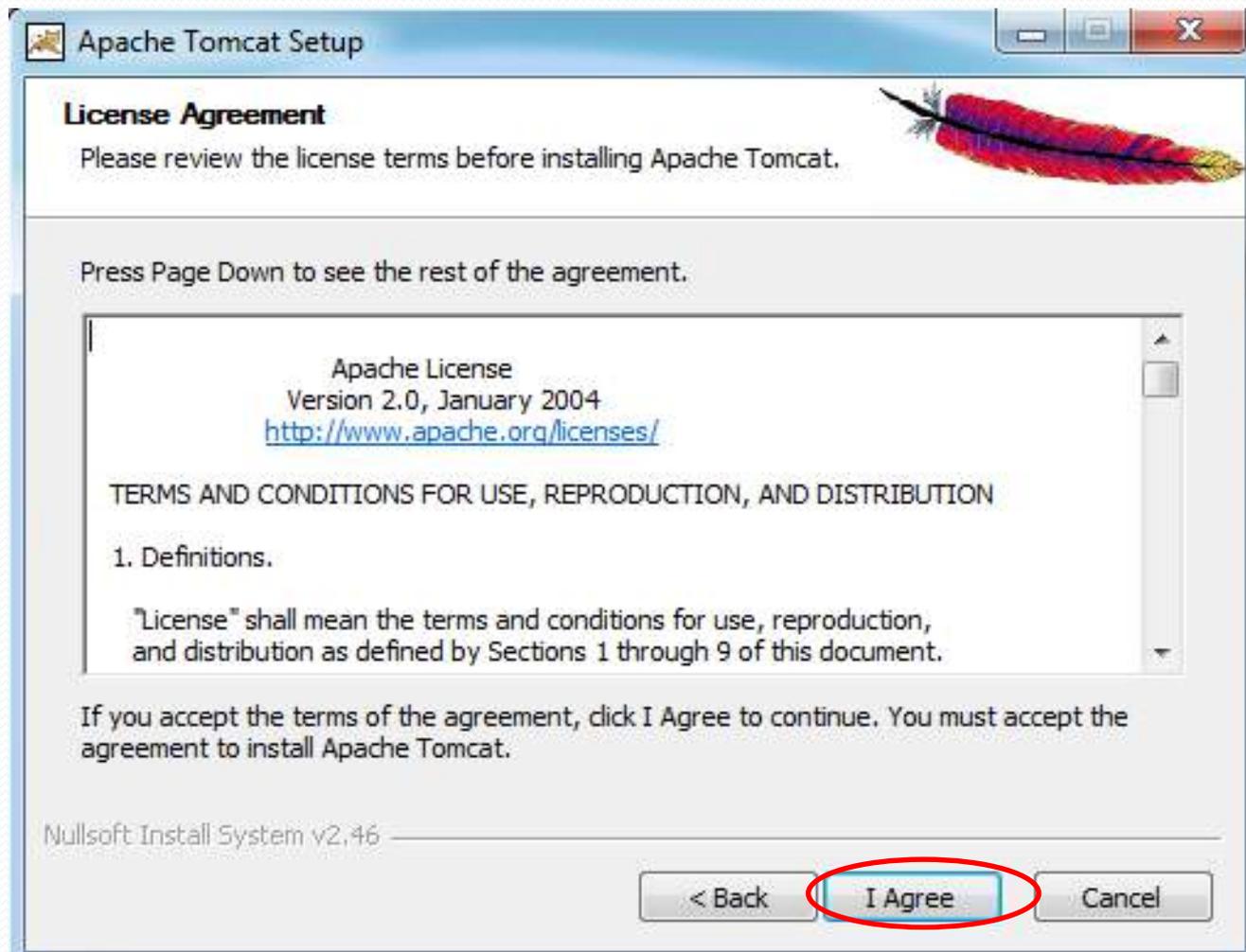
- Core:
  - [zip \(pgp, md5, sha1\)](#)
  - [tar.gz \(pgp, md5, sha1\)](#)
  - [32-bit Windows zip \(pgp, md5, sha1\)](#)
  - [64-bit Windows zip \(pgp, md5, sha1\)](#)
  - [64-bit Itanium Windows zip \(pgp, md5, sha1\)](#)
  - [32-bit/64-bit Windows Service Installer \(pgp, md5, sha1\)](#)
- Full documentation:
  - [tar.gz \(pgp, md5, sha1\)](#)
- Deployer:
  - [zip \(pgp, md5, sha1\)](#)
  - [tar.gz \(pgp, md5, sha1\)](#)
- Extras:
  - [JMX Remote jar \(pgp, md5, sha1\)](#)
  - [Web services jar \(pgp, md5, sha1\)](#)
  - [JULI adapters jar \(pgp, md5, sha1\)](#)

# Tutorial Instalação - Tomcat

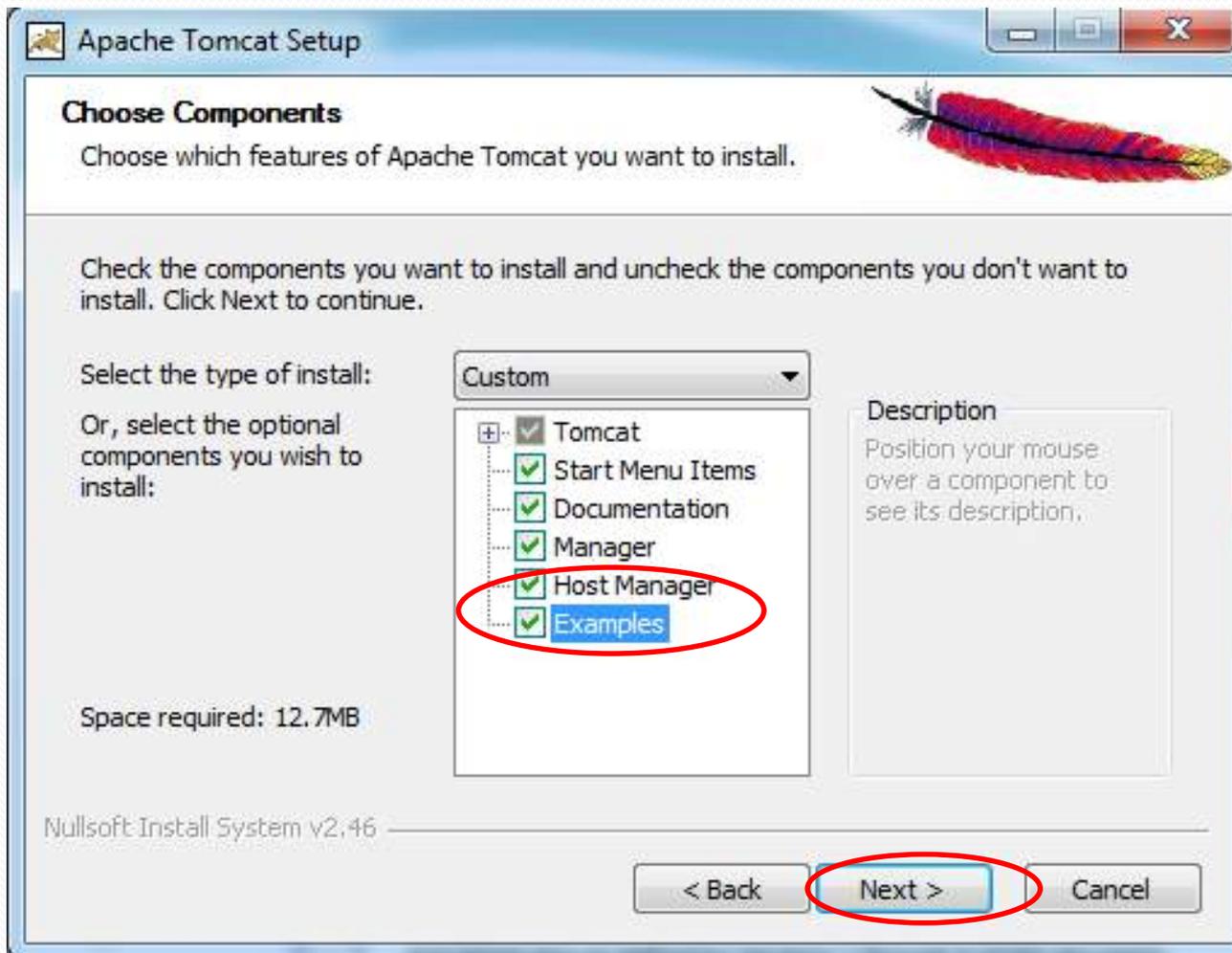
- Execute o arquivo `apache-tomcat-8.0.28.exe`



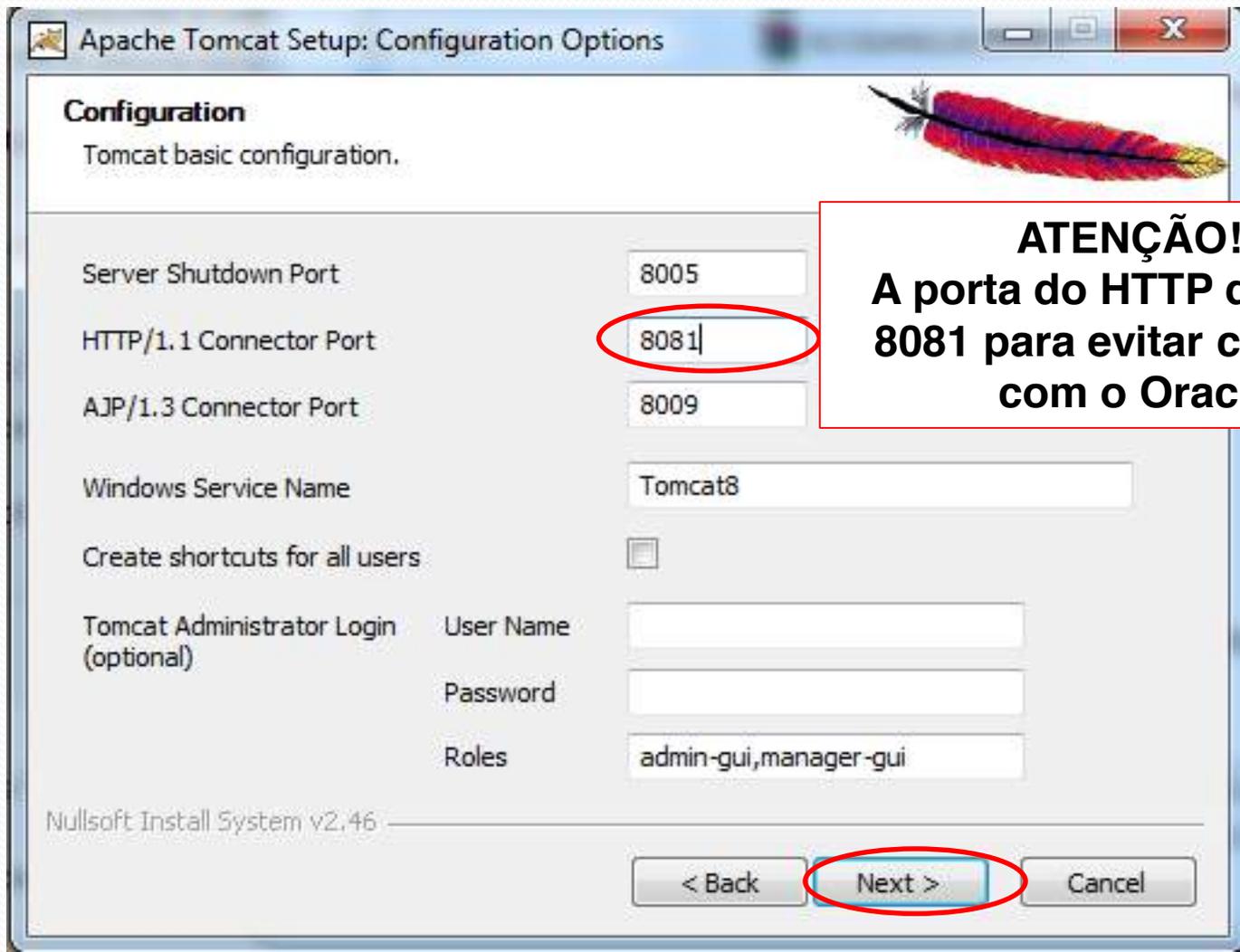
# Tutorial Instalação - Tomcat



# Tutorial Instalação - Tomcat



# Tutorial Instalação - Tomcat



Apache Tomcat Setup: Configuration Options

**Configuration**  
Tomcat basic configuration.

Server Shutdown Port: 8005

HTTP/1.1 Connector Port: 8081

AJP/1.3 Connector Port: 8009

Windows Service Name: Tomcat8

Create shortcuts for all users:

Tomcat Administrator Login (optional)

User Name:

Password:

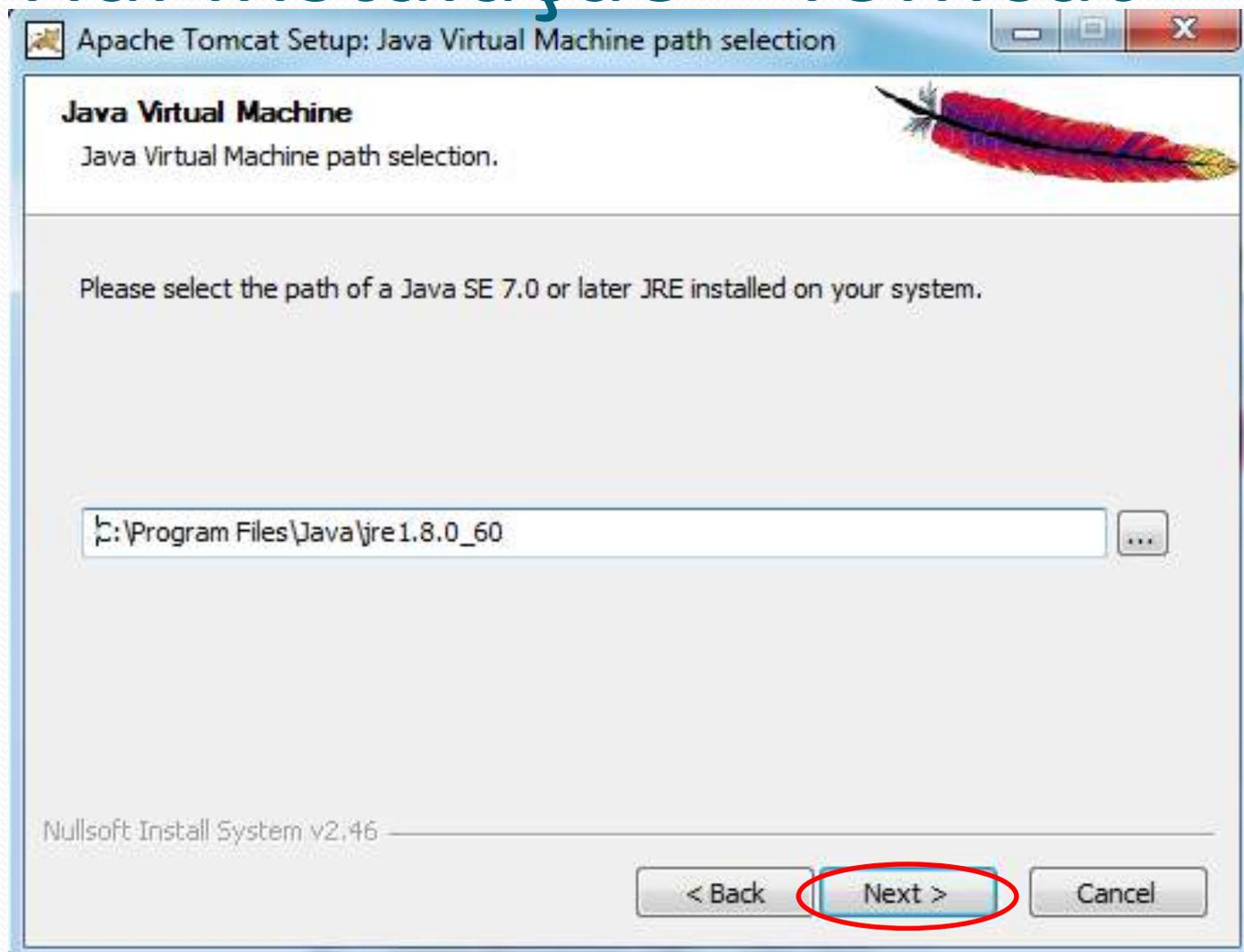
Roles: admin-gui,manager-gui

Nullsoft Install System v2.46

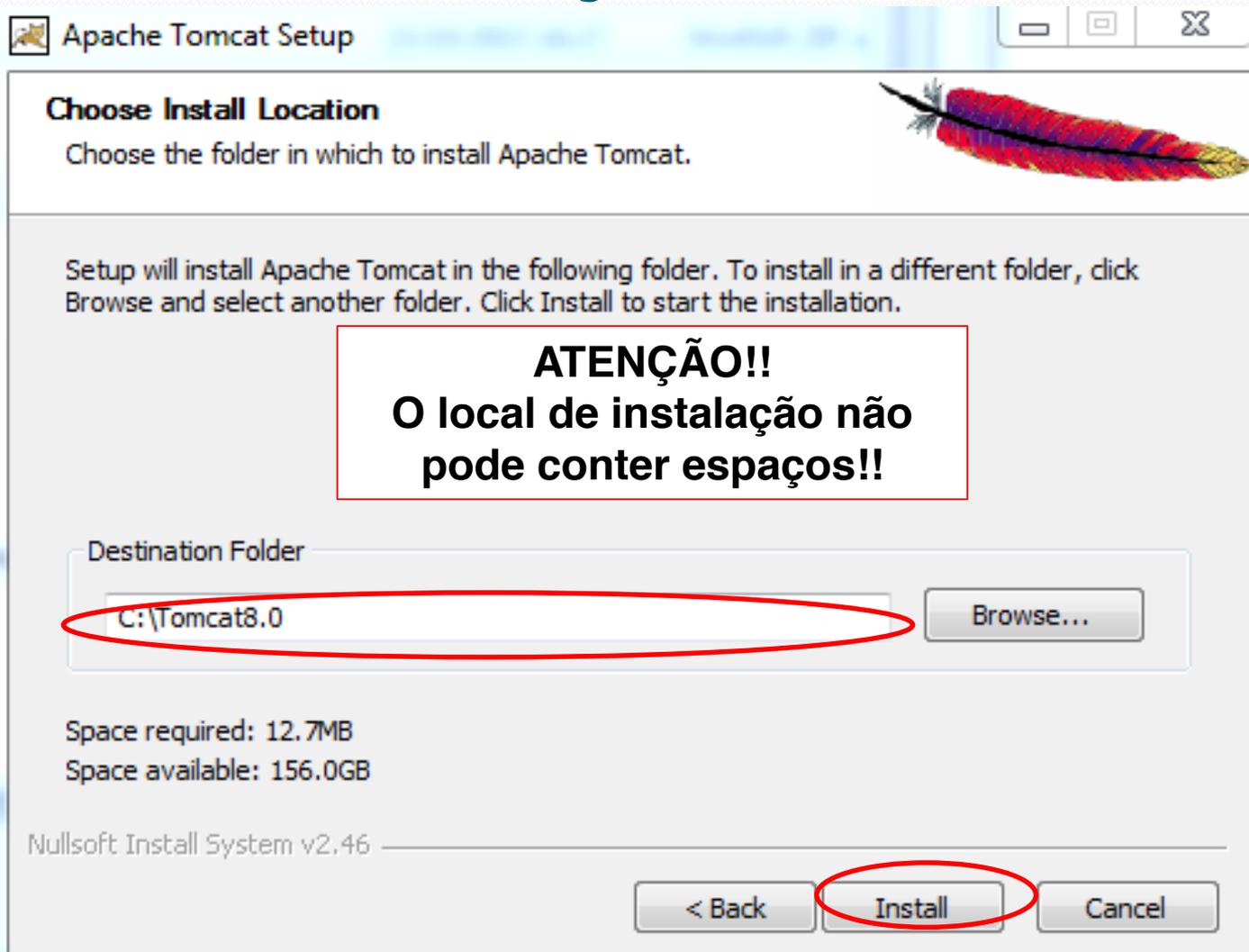
< Back Next > Cancel

**ATENÇÃO!!**  
A porta do HTTP deve ser 8081 para evitar conflitos com o Oracle

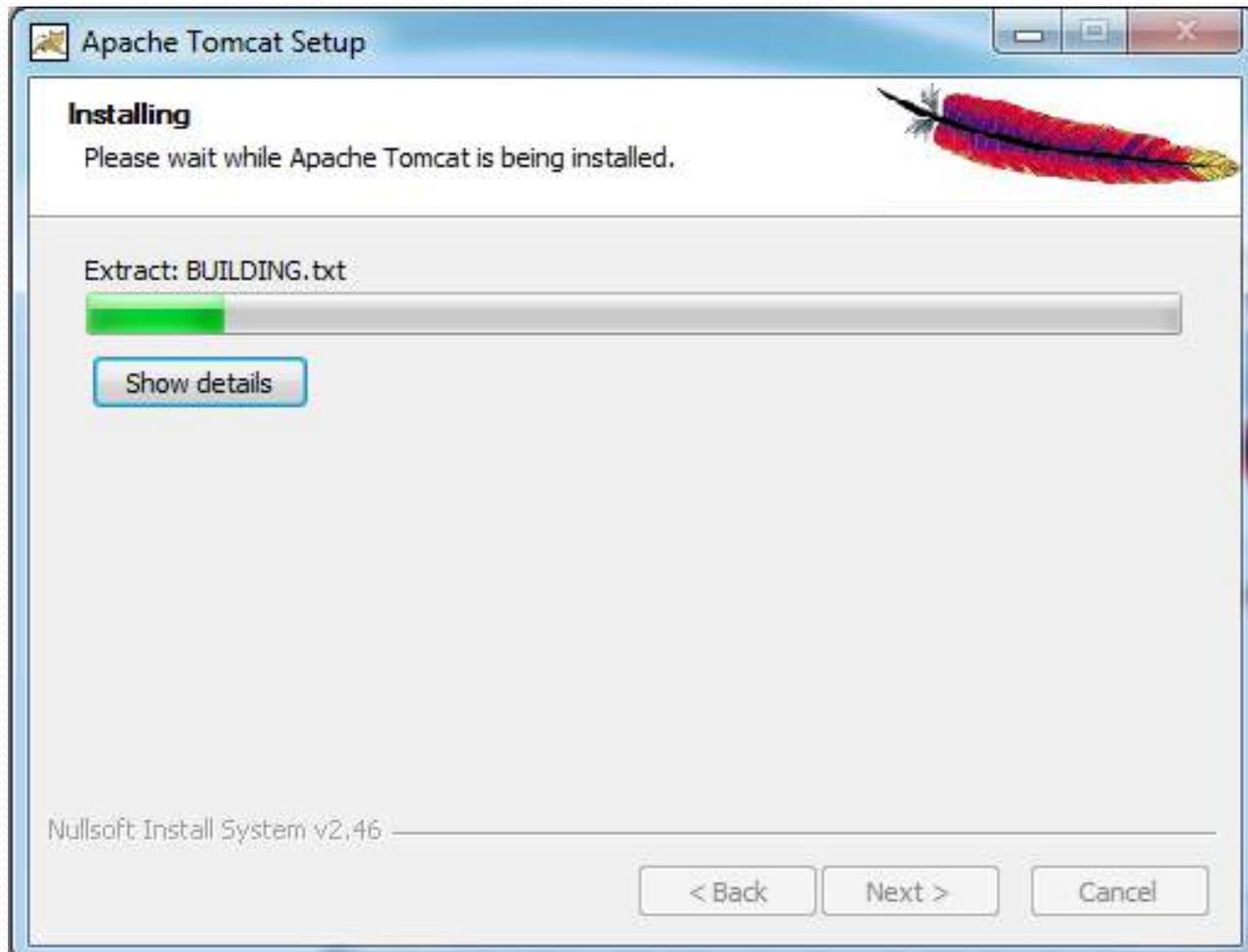
# Tutorial Instalação - Tomcat



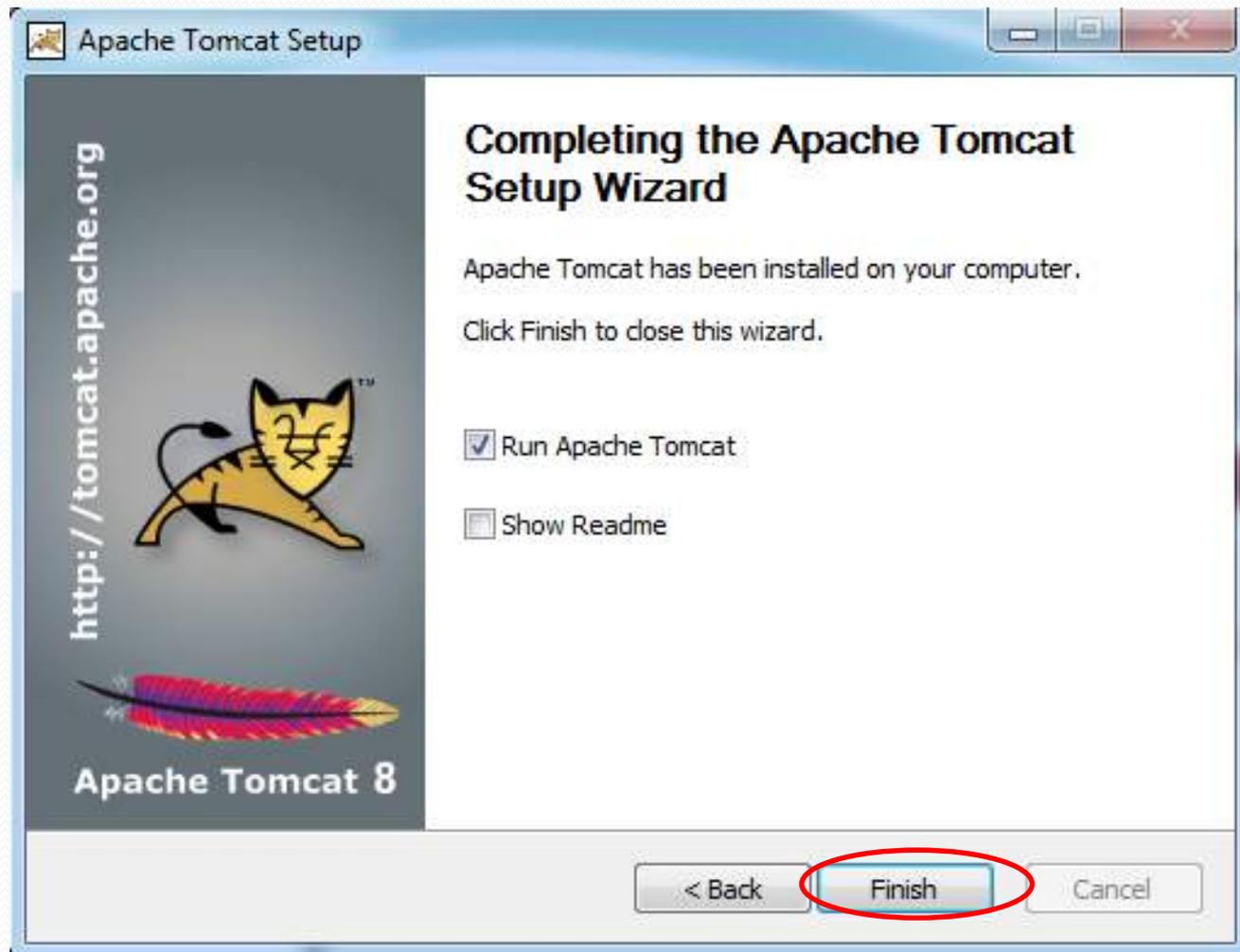
# Tutorial Instalação - Tomcat



# Tutorial Instalação - Tomcat

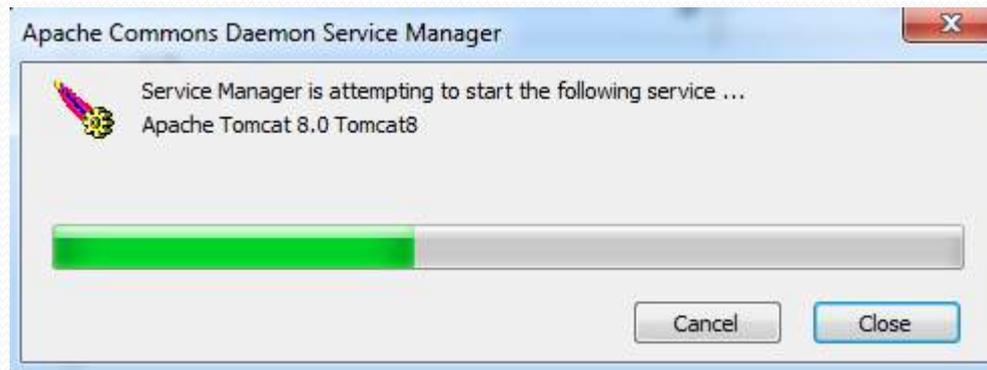


# Tutorial Instalação - Tomcat



# Tutorial Instalação - Tomcat

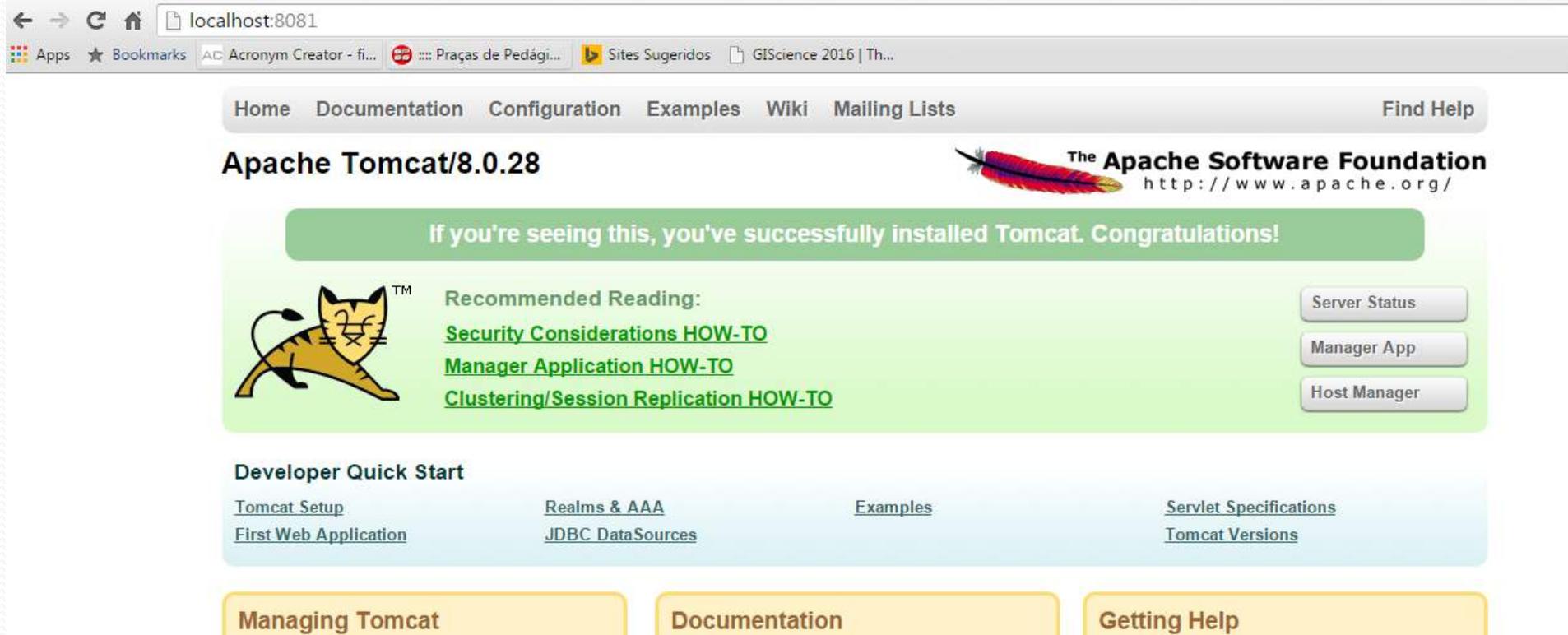
- O serviço do Tomcat iniciará



- Para ver o processo (pausar e iniciar) do omcat, basta abrir o **Monitor Tomcat**

# Tutorial Instalação - Tomcat

- Após o serviço do Tomcat ser iniciado, abra um navegador e digite o endereço: <http://localhost:8081/>



The screenshot shows a web browser window displaying the Apache Tomcat/8.0.28 homepage. The browser's address bar shows 'localhost:8081'. The page features a navigation menu with links for Home, Documentation, Configuration, Examples, Wiki, and Mailing Lists, along with a 'Find Help' button. The main heading is 'Apache Tomcat/8.0.28', accompanied by the Apache Software Foundation logo and URL. A green banner congratulates the user for a successful installation. Below this, there is a 'Recommended Reading' section with links to 'Security Considerations HOW-TO', 'Manager Application HOW-TO', and 'Clustering/Session Replication HOW-TO'. To the right of these links are three buttons: 'Server Status', 'Manager App', and 'Host Manager'. A 'Developer Quick Start' section provides links for 'Tomcat Setup', 'Realms & AAA', 'Examples', and 'Servlet Specifications'. At the bottom, there are three yellow buttons: 'Managing Tomcat', 'Documentation', and 'Getting Help'.

← → ↻ 🏠 localhost:8081

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Home Documentation Configuration Examples Wiki Mailing Lists Find Help

## Apache Tomcat/8.0.28

The Apache Software Foundation  
<http://www.apache.org/>

If you're seeing this, you've successfully installed Tomcat. Congratulations!



Recommended Reading:

- [Security Considerations HOW-TO](#)
- [Manager Application HOW-TO](#)
- [Clustering/Session Replication HOW-TO](#)

Server Status  
Manager App  
Host Manager

### Developer Quick Start

- [Tomcat Setup](#)
- [Realms & AAA](#)
- [Examples](#)
- [Servlet Specifications](#)
- [First Web Application](#)
- [JDBC DataSources](#)
- [Tomcat Versions](#)

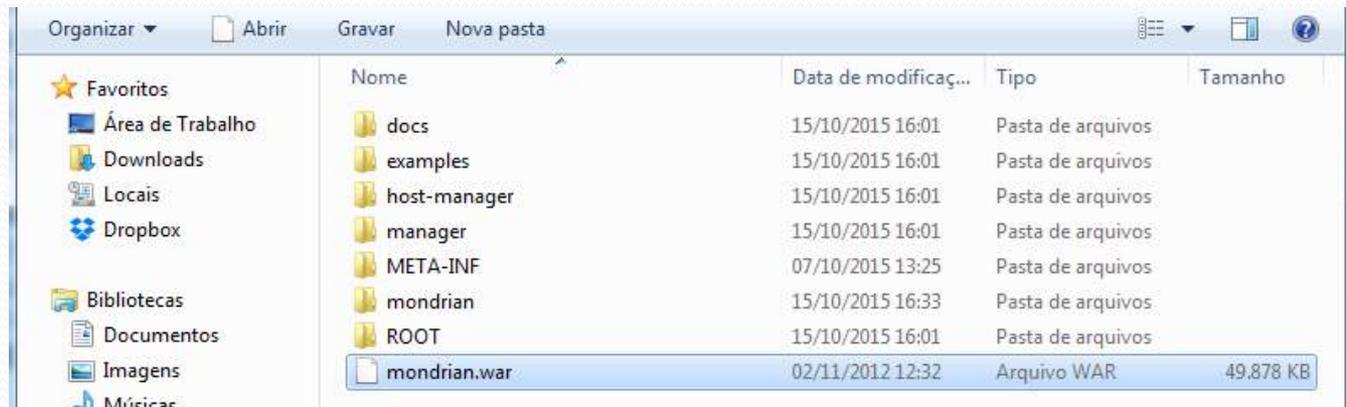
Managing Tomcat Documentation Getting Help

# Tutorial Instalação – Mondrian

- A partir da versão 3.5 do Mondrian, foi retirado a ferramenta de visualização JPivot, e por isso, os desenvolvedores somente disponibilizaram o Mondrian como uma biblioteca
- Devido a isso, efetue o download da versão 3.5.0 do Mondrian
  - <http://sourceforge.net/projects/mondrian/files/mondrian/mondrian-3.5.0/mondrian-3.5.0.zip/download>

# Tutorial Instalação – Mondrian

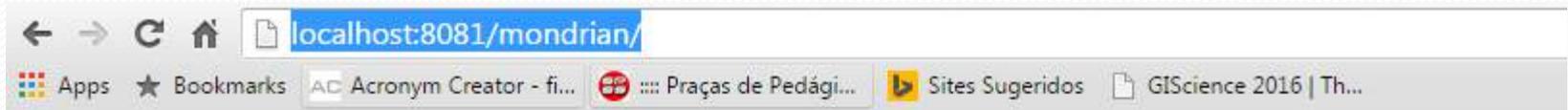
- Descompacte o arquivo *mondrian-3.5.0.zip*
- Acesse a pasta *mondrian-3.5.0/lib* e copie o arquivo *mondrian.war* para a pasta *webapps* do Tomcat (C:\Tomcat8.0\webapps)
- Como resultado, o servidor Tomcat irá automaticamente criar uma pasta chamada *mondrian*



# Tutorial Instalação – Mondrian

- Para verificar se o mondrian foi corretamente instalado, acesse no navegador:

<http://localhost:8081/mondrian/>



Mondrian examples:

- [JPivot pivot table](#)
- [JPivot pivot table by XMLA](#)
- [JPivot with 4 hierarchies](#)
- [JPivot with role 'California Manager' set](#)
- [JPivot with arrows](#)
- [JPivot with colors](#)
- [Various queries formatted using the Mondrian tag-library](#)
- [Basic interface for ad hoc queries](#)
- [XML for Analysis tester](#)

Other links:

- [Mondrian home page](#)
- [Mondrian project page](#)
- [JPivot home page](#)
- [JPivot project page](#)

# Configuração do Mondrian

- Efetue o download do Oracle JDBC (ojdbc6.jar)
  - <http://www.oracle.com/technetwork/apps-tech/jdbc-112010-090769.html>

www.oracle.com/technetwork/apps-tech/jdbc-112010-090769.html

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## Oracle Database 11g Release 2 (11.2.0.4) JDBC Drivers

**SimpleFAN**  
simplefan.jar (20,365 bytes) - (SHA1 Checksum: 307a7e203d7e141964158d181ca849d512d7e710)  
Classes for subscribing to RAC events via ONS; simplefan policy and javadoc

**JDBC Thin for All Platforms**  
JavaDoc (6,415,512 bytes)  
README

**ojdbc6.jar** (2,739,670 bytes) - (SHA1 Checksum: a483a0463ee2f404d864a6ff5b09dc0e1be3fe6c)  
**Certified with JDK 8, JDK 7 and JDK 6:** It contains the JDBC driver classes except classes for NLS support in Oracle Object and Collection types.

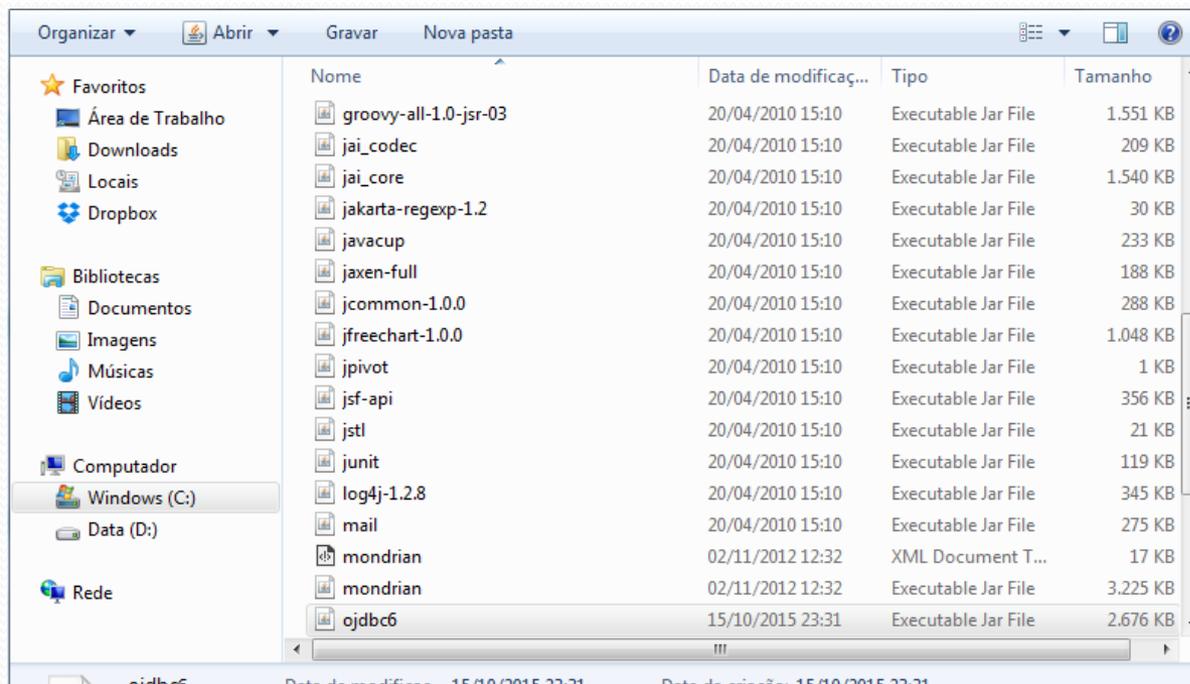
ojdbc6\_g.jar (4,494,956 bytes) - (SHA1 Checksum: bf50af31967911af63058a6e1e5249c2dae34823)  
Same as ojdbc6.jar except compiled with "javac -g" and contains tracing code.

ojdbc6dms.jar (3,350,769 bytes) - (SHA1 Checksum: d268a890a9a681cf498a9fe9c47e92ca06ac26f0)

Enterprise Pac  
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JDeveloper an  
Oracle Linux a  
MySQL  
NetBeans IDE  
NoSQL Datab  
Solaris  
SQL Develop  
VirtualBox  
WebLogic Ser

# Configuração do Mondrian

- Copie o arquivo ojdbc6.jar na pasta  
C:\Tomcat8.0\webapps\mondrian\WEB-INF\lib



# Configuração do Mondrian

- O *data warehouse* que será usado em aula já está carregado para cada aluno da disciplina de OLAP
- Para maiores informações, acesse seu usuário e senha do Servidor Oracle Cloud ICMC
  - Para isso baixem e instalem o SQL Developer
    - <http://www.oracle.com/technetwork/developer-tools/sql-developer/downloads/index.html>
  - Maiores informações de acesso
    - [http://www.icmc.usp.br/CMS/Arquivos/arquivos\\_enviados/STI\\_23\\_ACE\\_SSO%20AO%20SERVIDOR%20ORACLE.pdf](http://www.icmc.usp.br/CMS/Arquivos/arquivos_enviados/STI_23_ACE_SSO%20AO%20SERVIDOR%20ORACLE.pdf)
- Informações importantes:
  - Seu Usuário é: a letra o seguido pelo número USP
  - Sua Senha é: a letra o seguido pelo número USP
  - Exemplo: se meu número USP é 123, meu usuário e senha são: o123

# Configuração do Mondrian

- Abra com um editor de texto (por exemplo, o NotePad++) o arquivo C:\Tomcat8.0\webapps\mondrian\WEB-INF\queries\mondrian.jsp
- Altere seu conteúdo para

```
<%@ page session="true" contentType="text/html; charset=ISO-8859-1" %>
<%@ taglib uri="http://www.tonbeller.com/jpivot" prefix="jp" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>
```

```
<jp:mondrianQuery id="query01" jdbcDriver="oracle.jdbc.OracleDriver"
jdbcUrl="jdbc:oracle:thin:@grad.icmc.usp.br:15215:orcl"
catalogUri="/WEB-INF/queries/cubessb.xml"
jdbcUser="SEU_USUARIO_ORACLE" jdbcPassword="SUA_SENHA"
connectionPooling="false">
```

```
select {[Measures].[Revenue]} on columns, {[Supplier].Children} on
rowsfrom CubeSSB
```

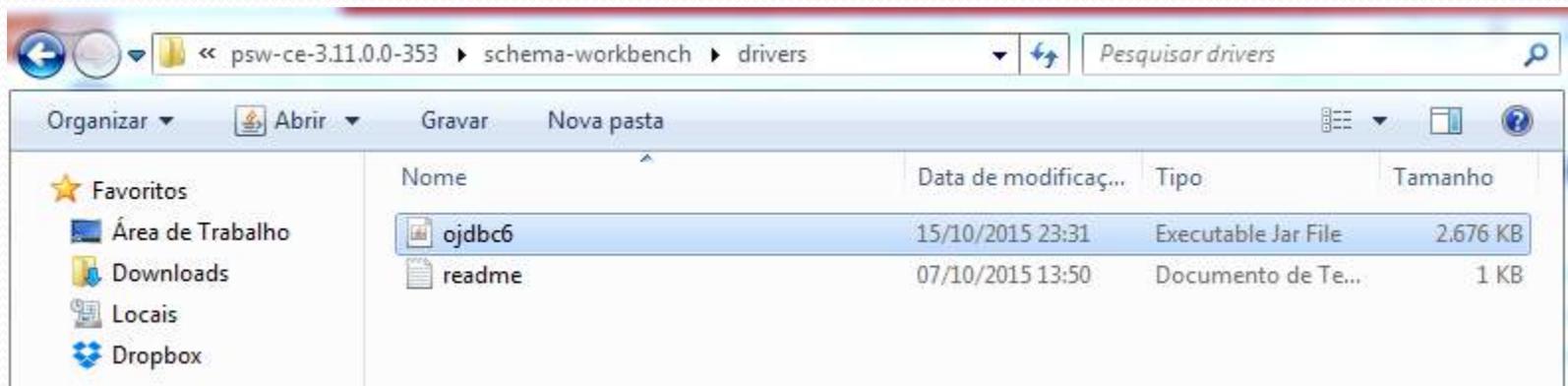
```
</jp:mondrianQuery>
```

```
<c:set var="title01" scope="session">Test Query uses Mondrian
OLAP</c:set>
```

Modifique **SEU\_USUARIO\_ORACLE** e **SUA\_SENHA** para os campos correspondentes

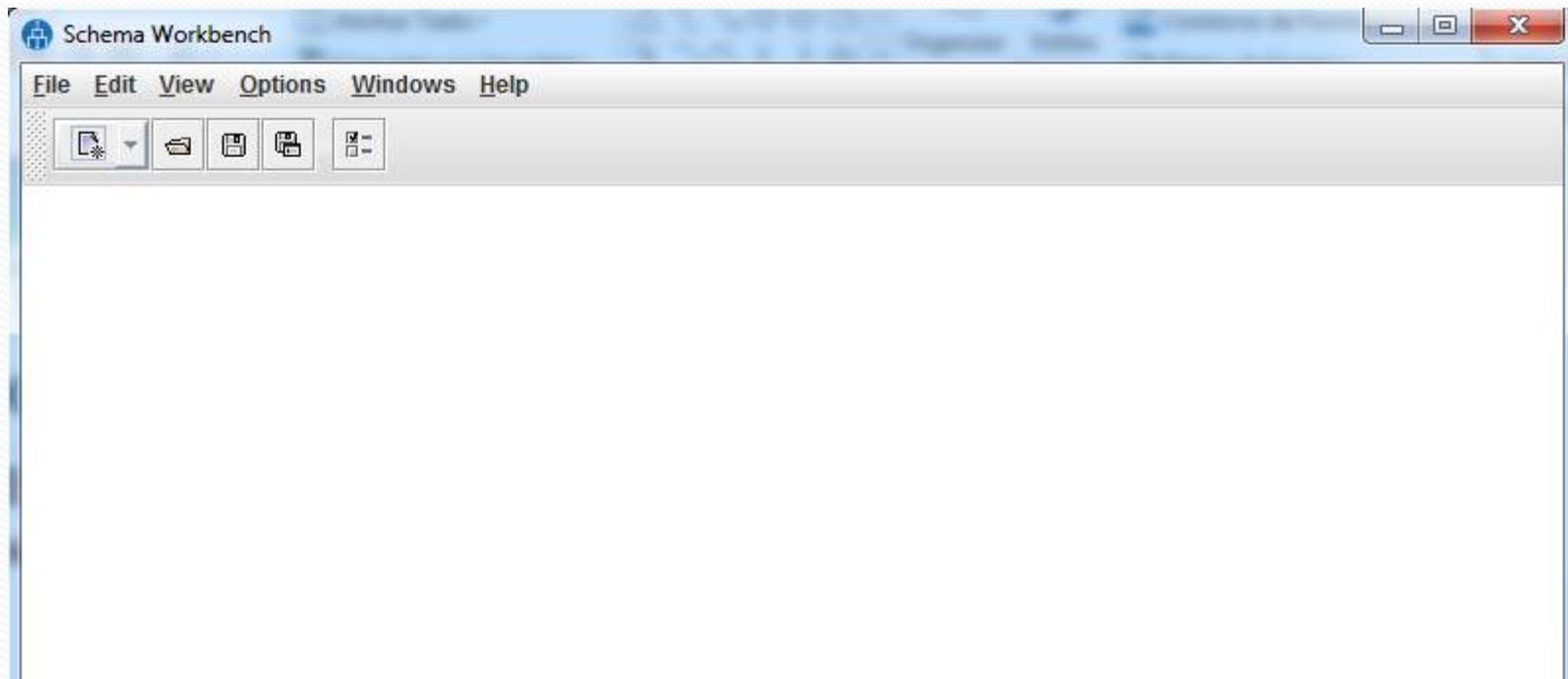
# Download do Schema Workbench

- Efetue o download da versão 3.11.0 do Mondrian Schema Workbench
  - <http://sourceforge.net/projects/mondrian/files/schema%20workbench/3.11.0/psw-ce-3.11.0.0-353.zip/download>
- Descompacte o arquivo psw-ce-3.11.0.0-353.zip
- Copie o arquivo ojdbc6.jar na pasta psw-ce-3.11.0.0-353\schema-workbench\drivers\



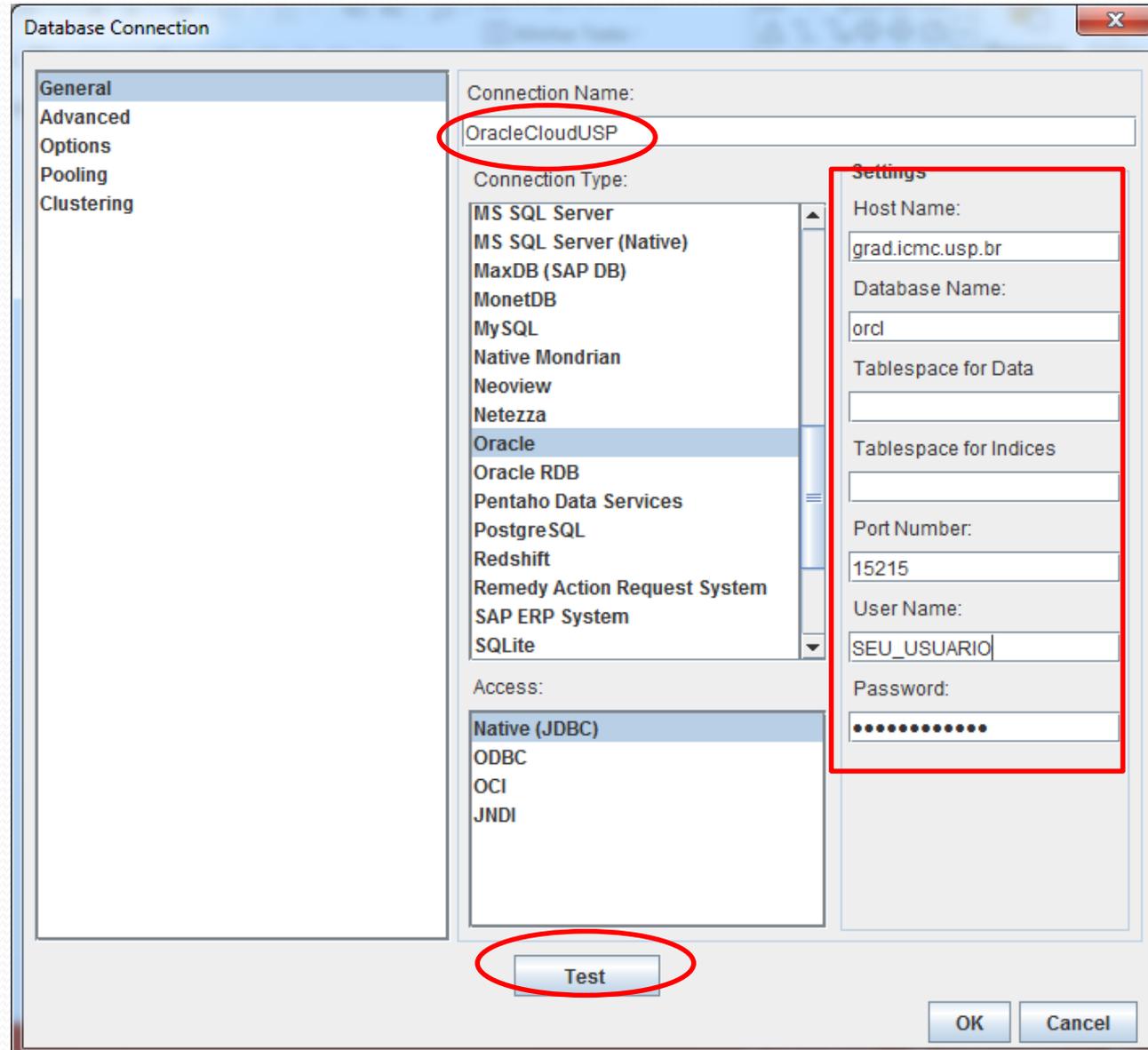
# Execução do Schema Workbench

- Execute o arquivo workbench.bat localizado na pasta schema-workbench



# Configuração do Schema Workbench

- Acesse Options->Connection e preencha os campos para a conexão com o banco de dados
- Adapte o campo com **SEU\_USUARIO** de acordo com o seu acesso (slide 18) e informe sua senha no campo Password
- Clique em Test



# Configuração do Schema Workbench

- Acesse a aba Options e insira o seguinte parâmetro
- Adapte o campo com **SEU\_USUARIO** de acordo com o seu acesso (slide 18)
- Clique em Test
- Este passo é importantíssimo! Se seu Schema Workbench travar, por favor, reveja este passo

