

Olá amigos, neste documento está um passo a passo para instalação e configuração do Pentaho, além das ferramentas que vamos utilizar na disciplina de Implementação de Projetos de BI.

Lembrando que vamos utilizar o Windows.

Vamos instalar os seguintes softwares:

POSTGRES (versão 9.6.4) - Banco de dados:

Download em: <https://www.enterprisedb.com/downloads/postgres-postgresql-downloads>

Detalhes da instalação:

usuario: postgres;

senha: uni7

Na instalação manter o padrão (Next para todas as etapas do instalador).

No final desmarcar opção Stack Builder.

DbDesigner - 4.0

Download em: <https://sourceforge.net/projects/dbdesigner-fork/?source=navbar>

Instalar em C:\BI\DbDesigner;

Pentaho - 8.0

Vamos lá: precisamos da suite **Pentaho Community completa (versão 8.0)**.

Assim, temos que deixar disponíveis todos estes módulos:

Servidor

Pentaho Business Analysis Server

Desktop

Pentaho Aggregation Designer (PAD)

Pentaho Data Integration (PDI)

Pentaho Metadata Editor (PME)

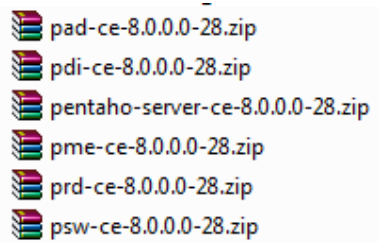
Pentaho Report Designer (PRD)

Pentaho Schema Workbench (PSW)

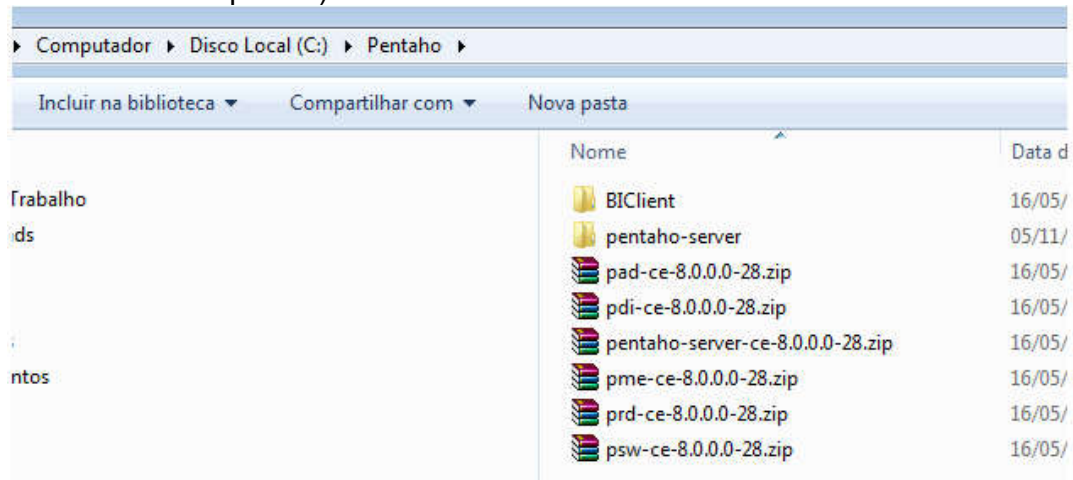
Estes programas estão disponíveis

em: <https://sourceforge.net/projects/pentaho/files/Pentaho%208.0/client-tools/>.

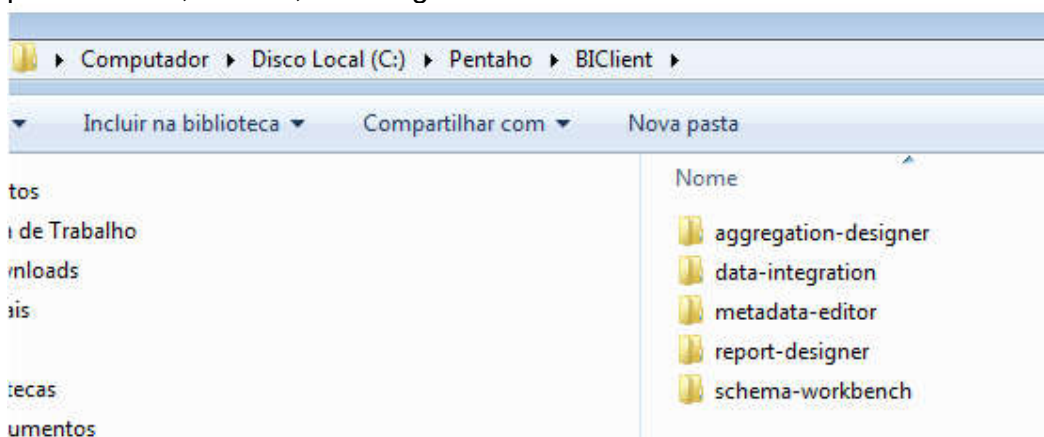
Baixem estes que estão sendo mostrados na figura abaixo



Criem esta estrutura de pastas nas máquinas (alunos precisam ter acesso irrestrito a estas pastas):



O conteúdo de "pentaho-server-ce-8.0.0.0-28.zip" vai ficar na pasta "pentaho-server". O restante dos zip devem ser descompactados na pasta "BIClient". A pasta deverá, ao final, ter a seguinte estrutura:



Depois da descompactação tem que fazer uma alteração nas variáveis de ambiente. Segue procedimento (adequem o procedimento para a JRE 1.8.xx):

Set Windows PENTAH0_JAVA_HOME Variable

1. From the **Start** menu, right-click **Computer**, then select **Properties** from context menu.
2. Click **Advanced System Settings**. The **System Properties** window appears.
3. In the **System Properties** window, click the **Advanced** tab, then click **Environment Variables**.
4. To set the PENTAH0_JAVA_HOME variable do this.
 - a. In the **System Variable** section, click **New**.
 - b. In the window that appears, type PENTAH0_JAVA_HOME in the **name** field.
 - c. In the **value** field, enter the directory where your Oracle JDK or Oracle JRE is stored. For example your Java JRE is in the Program Files\Java\jre7 directory, type this.

```
C:\Program Files\Java\jre7
```
 - d. Click **OK**.
5. Click **Apply Changes**.
6. Log out, then log back in.
7. To verify that the variables have been properly set, open a **Command** window and type this.

```
echo %PENTAH0_JAVA_HOME%
```

Se as máquinas são windows é tem menos de 8GB de memória temos que fazer um ajuste no arquivo C:\Pentaho\pentaho-server\start-pentaho.bat (editem o arquivo em editor notepad++ ou outro editor mais robusto).

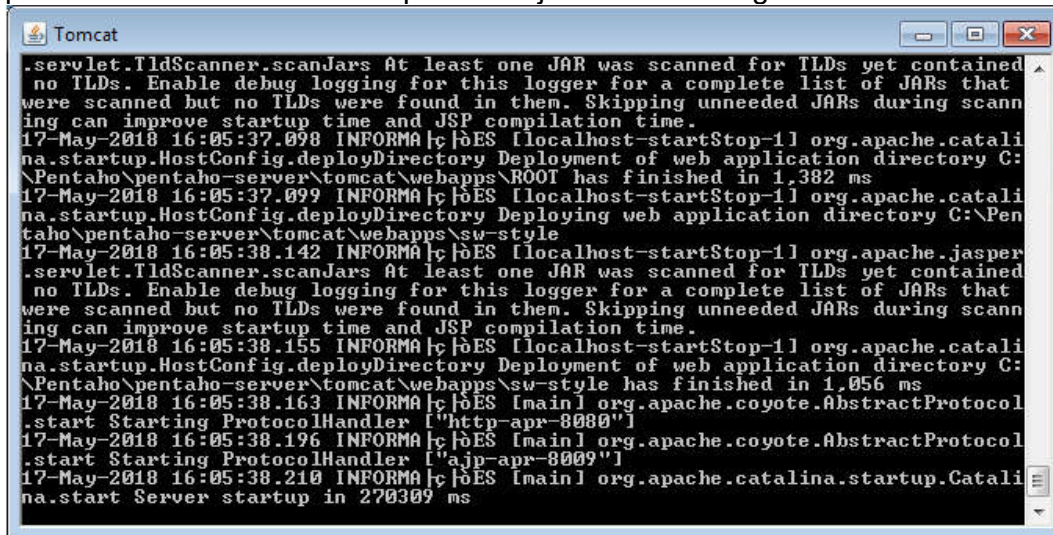
alterar de:

```
set CATALINA_OPTS=-Xms2048m -Xmx4096m -XX:MaxPermSize=256m -  
Dsun.rmi.dgc.client.gcdInterval=3600000 -  
Dsun.rmi.dgc.server.gcdInterval=3600000 -Dfile.encoding=utf8 -  
DDI_HOME=%DI_HOME%
```

para:

```
set CATALINA_OPTS=-Xms2048m -Xmx4096m -XX:MaxPermSize=256m -  
Dsun.rmi.dgc.client.gcdInterval=3600000 -  
Dsun.rmi.dgc.server.gcdInterval=3600000 -Dfile.encoding=utf8 -  
DDI_HOME=%DI_HOME%
```

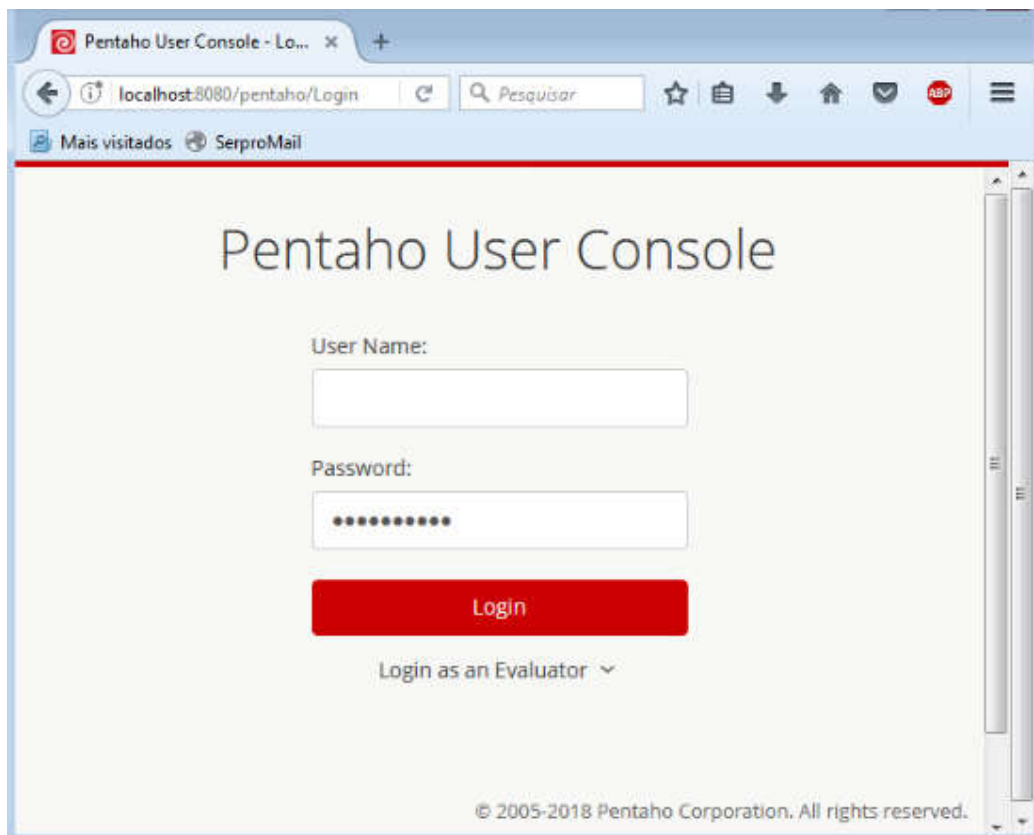
Após fazer as alterações executar como administrador o arquivo start-pentaho.bat. Vai demorar um pouco. Vejam se ocorre algum erro.

A screenshot of a Windows command prompt window titled "Tomcat". The window displays a series of log messages from the Apache Tomcat server. The messages include information about JAR scanning, deployment of web applications, and the start of the server. The log shows the deployment of two web applications: "ROOT" and "sw-style". The messages are timestamped and include the name of the logging class. The final message indicates that the server startup is complete.

```
.servlet.TldScanner.scanJars At least one JAR was scanned for TLDs yet contained
no TLDs. Enable debug logging for this logger for a complete list of JARs that
were scanned but no TLDs were found in them. Skipping unneeded JARs during scann
ing can improve startup time and JSP compilation time.
17-May-2018 16:05:37.098 INFO [localhost-startStop-1] org.apache.catali
na.startup.HostConfig.deployDirectory Deployment of web application directory C:
\Pentaho\pentaho-server\tomcat\webapps\ROOT has finished in 1,382 ms
17-May-2018 16:05:37.099 INFO [localhost-startStop-1] org.apache.catali
na.startup.HostConfig.deployDirectory Deploying web application directory C:\Pen
taho\pentaho-server\tomcat\webapps\sw-style
17-May-2018 16:05:38.142 INFO [localhost-startStop-1] org.apache.jasper
.servlet.TldScanner.scanJars At least one JAR was scanned for TLDs yet contained
no TLDs. Enable debug logging for this logger for a complete list of JARs that
were scanned but no TLDs were found in them. Skipping unneeded JARs during scann
ing can improve startup time and JSP compilation time.
17-May-2018 16:05:38.155 INFO [localhost-startStop-1] org.apache.catali
na.startup.HostConfig.deployDirectory Deployment of web application directory C:
\Pentaho\pentaho-server\tomcat\webapps\sw-style has finished in 1,056 ms
17-May-2018 16:05:38.163 INFO [main] org.apache.coyote.AbstractProtocol
.start Starting ProtocolHandler ["http-apr-8080"]
17-May-2018 16:05:38.196 INFO [main] org.apache.coyote.AbstractProtocol
.start Starting ProtocolHandler ["ajp-apr-8009"]
17-May-2018 16:05:38.210 INFO [main] org.apache.catalina.startup.Catali
na.start Server startup in 270309 ms
```

Se tudo der certo vai aparecer esta mensagem ao final: Server startup.

Para confirmar que conseguimos instalar corretamente vamos chamar a Suite Pentaho no navegador (browser). Digitem "localhost:8080". Deve apresentar o seguinte resultado:



Qualquer dúvida é só entrar em contato pelo e-mail abaixo.

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