



Manual de Instalação JBOSS-EAP-6.3

20/11/2014

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1. Instalação do JBOSS-EAP-6.3

Este documento visa auxiliar na instalação e configuração do Jboss-EAP-6.3

1.1. Instalação do JAVA

- Verificar a versão do Java instalado no servidor:

java -version

Windows via prompt de comando:

```
c:\>java -version
java version "1.6.0_45"
Java(TM) SE Runtime Environment (build 1.6.0_45-b06)
Java HotSpot(TM) 64-Bit Server VM (build 20.45-b01, mixed mode)
c:\>_
```

Linux via terminal:

```
[root@VM ~]# java -version
java version "1.6.0_45"
Java(TM) SE Runtime Environment (build 1.6.0_45-b06)
Java HotSpot(TM) 64-Bit Server VM (build 20.45-b01, mixed mode)
[root@VM ~]#
```

Se apresentar uma versão abaixo de **1.6.0_33**, recomendamos que faça a atualização, para isto será necessário desinstalá-lo no **Adicionar e Remover Programas**, a versão anterior do Java.

Depois de desinstalar, utilize um dos instaladores para instalar a nova versão:

IMPORTANTE: VERIFICAR QUAL É A PLATAFORMA DO SISTEMA OPERACIONAL: 32 BITS OU 64 BITS. E INSTALAR O INSTALADOR CORRESPONDENTE:

Diretório de Instalação:

Windows:

C:\JAVA\jdk-6u-45\ ou D:\JAVA\jdk-6u-45\

Linux:

/opt/java ou /usr/java

2. Instalação do JBOSS

INSTALADOR : Não tem instalador, deve-se somente extrair o pacote no diretório definido de administrador.

Linux: **/opt** ou **/usr**

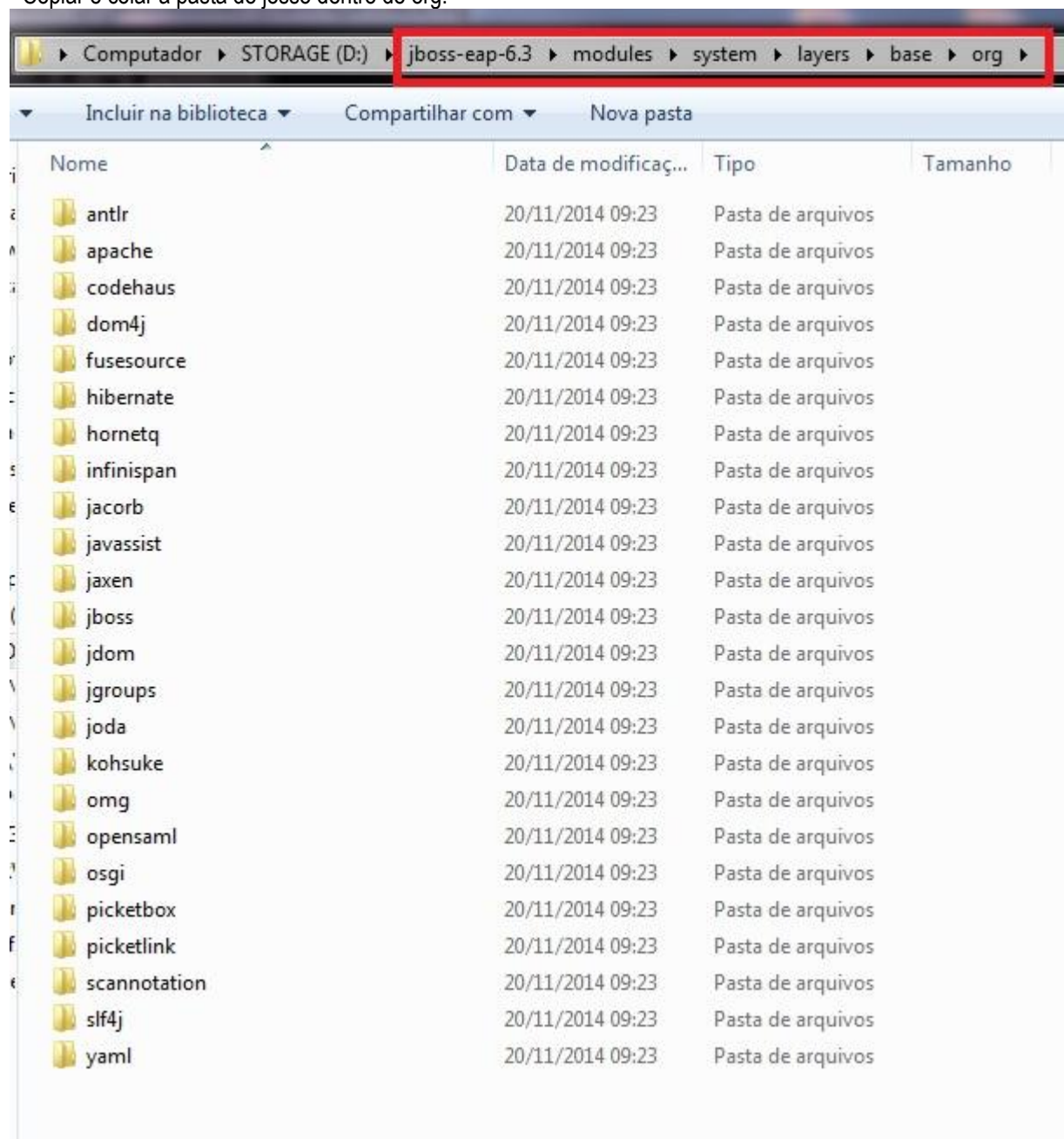
Windows: **C:** ou **D:**

2.1. Configurando o JBOSS

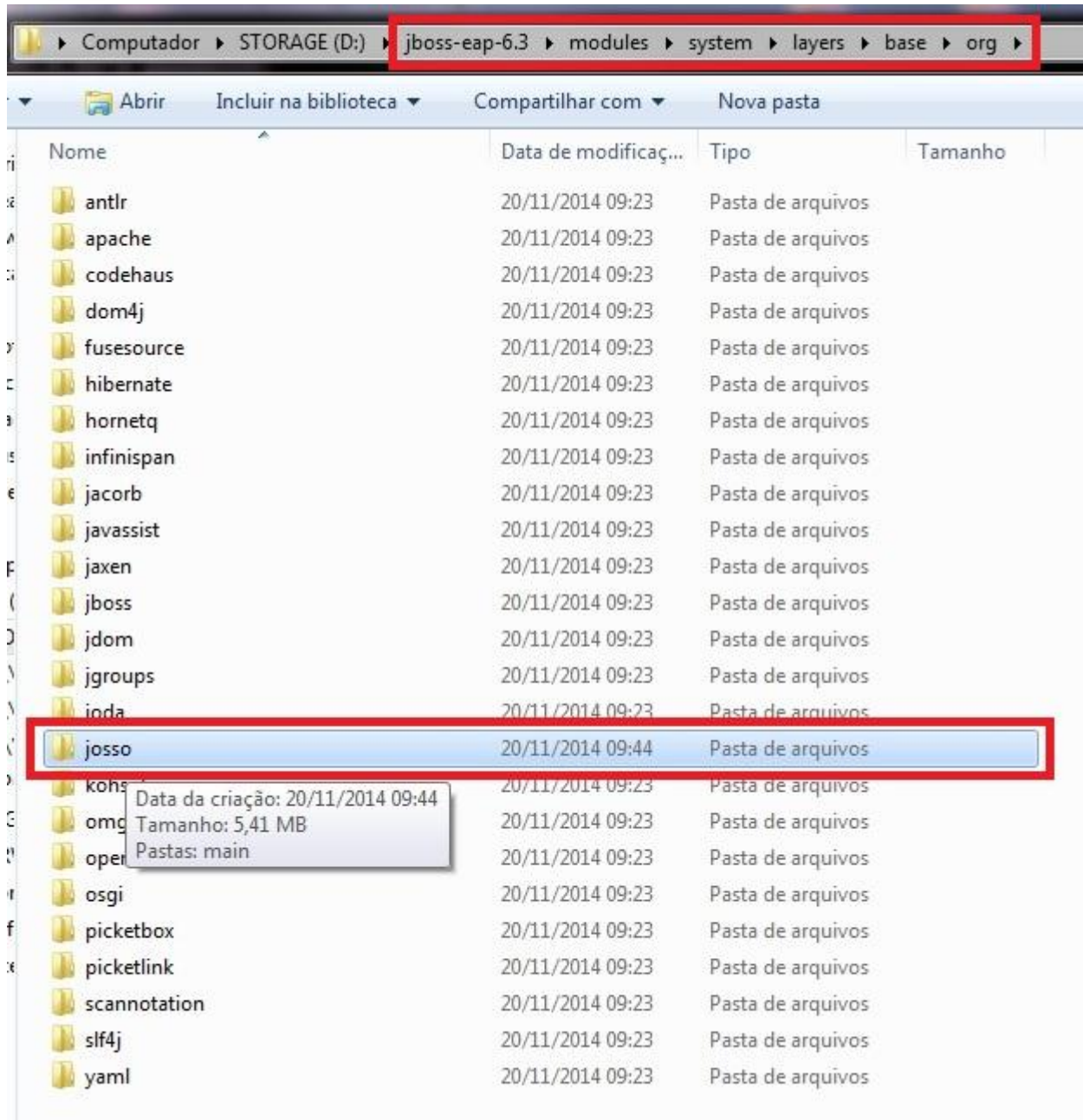
- **INSTALAR O MÓDULO JOSSO**

- `${jboss.home}/modules/system/layers/base/org/`

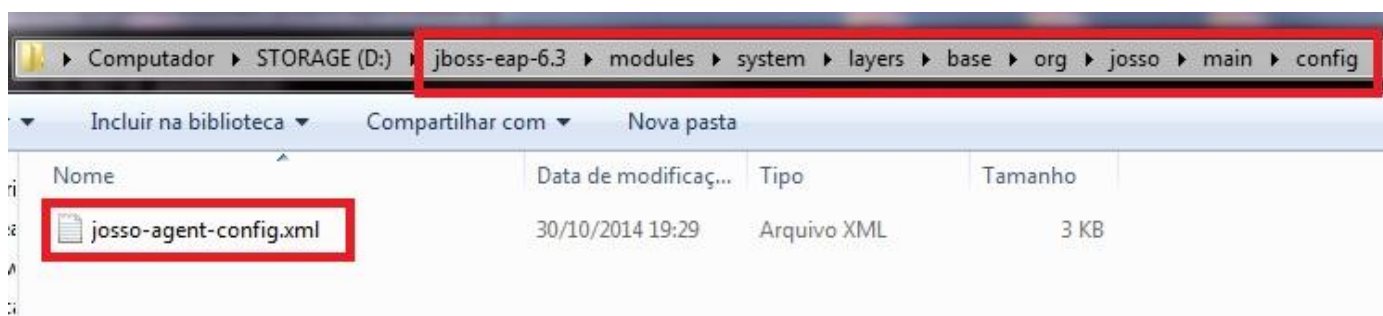
- Copiar e colar a pasta do josso dentro de org.



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- Configurar o JOSSO dentro de:
- `${jboss.home}/modules/system/layers/base/org/josso/main/config/`



- Configurar o IP ou FQDN do servidor e a porta (Default 8080):

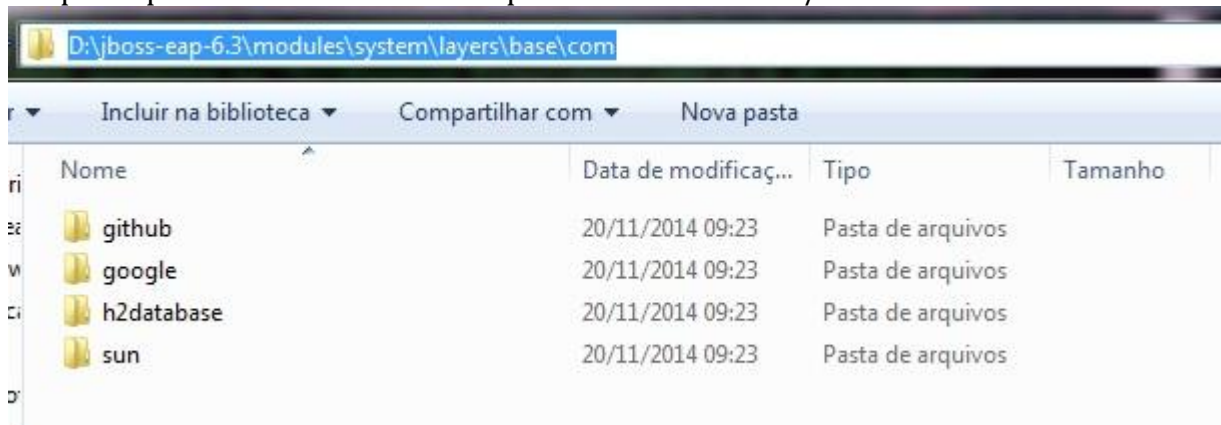
```

3      xmlns:agent="urn:org:josso:agent:core"
4      xmlns:protocol="urn:org:josso:protocol:client"
5
6      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
7      xsi:schemaLocation="http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans-2.5.xsd
8      urn:org:josso:agent:core http://www.josso.org/schema/josso-agent.xsd
9      urn:org:josso:protocol:client http://www.josso.org/schema/josso-protocol-client.xsd">
10
11      <agent:agent name="josso-jaspi-agent" sessionAccessMinInterval="1000" >
12
13      <!-- Gateway LOGIN and LOGOUT URLs -->
14      <gatewayLoginUrl>/jsp_login/signon/login.do</gatewayLoginUrl>
15      <gatewayLogoutUrl>/jsp_login/signon/logout.do</gatewayLogoutUrl>
16
17      <!-- Gateway service locator -->
18      <gatewayServiceLocator>
19      <!-- Other properties for ws-service-locator : username, password, servicesWebContext, transportSecurity -->
20      <protocol:ws-service-locator endpoint="10.51.0.113:8080" servicesWebContext="jsp_login"/>
21      </gatewayServiceLocator>
22
23      <configuration>
24      <agent:agent-configuration>
25
26      <agent:partner-apps>
27      <agent:partner-app id="BASICO" context="/jsp_basico"/>
28      <agent:partner-app id="CF" context="/jsp_cf"/>
29      <agent:partner-app id="GRISCO" context="/jsp_grisco"/>
30      <agent:partner-app id="CF" context="/jsp_cf"/>
31      </agent:partner-apps>
32
33      </agent:agent-configuration>
34      </configuration>
35
36      <parametersBuilders>
37      <agent:appid-parameters-builder/>
38      </parametersBuilders>
39
40      <automaticLoginStrategies>
41      <agent:default-automaticlogin-strategy mode="OPTIONAL">
42      <property name="ignoredReferrers">
43      <list>
44      <value>http://10.51.0.113:8080/IDBUS</value>
45      </list>
46      </property>
47      </agent:default-automaticlogin-strategy>
48      </automaticLoginStrategies>
49
50      </agent:agent>
51
52      </s:beans>

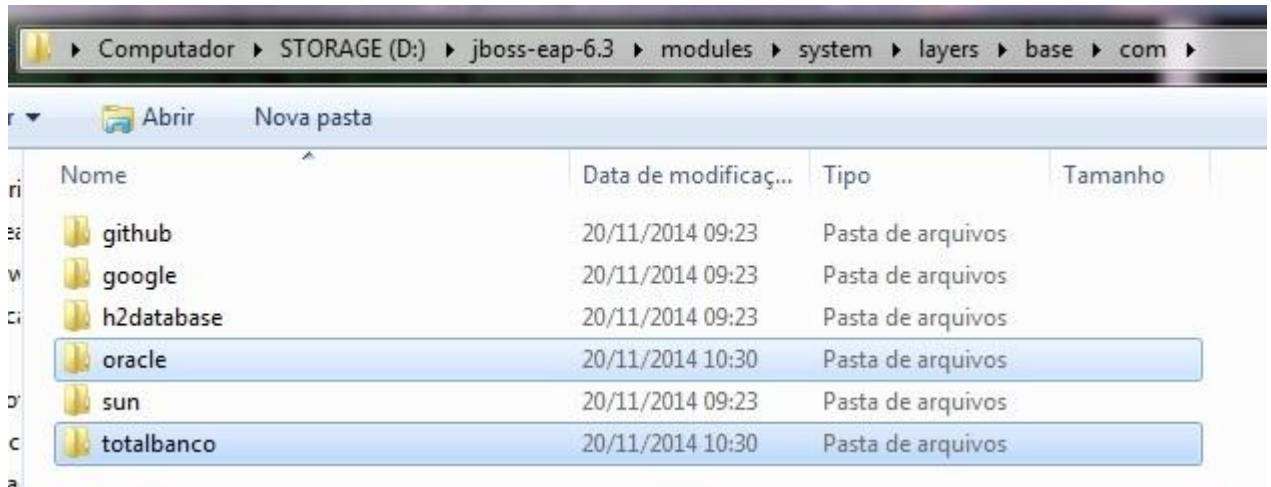
```

• INSTALAR O MÓDULO DO DRIVER JDBC ORACLE

- \${jboss.home}/modules/system/layers/base/com/
- Copiar a pasta Oracle o Totalbanco para do diretório com/

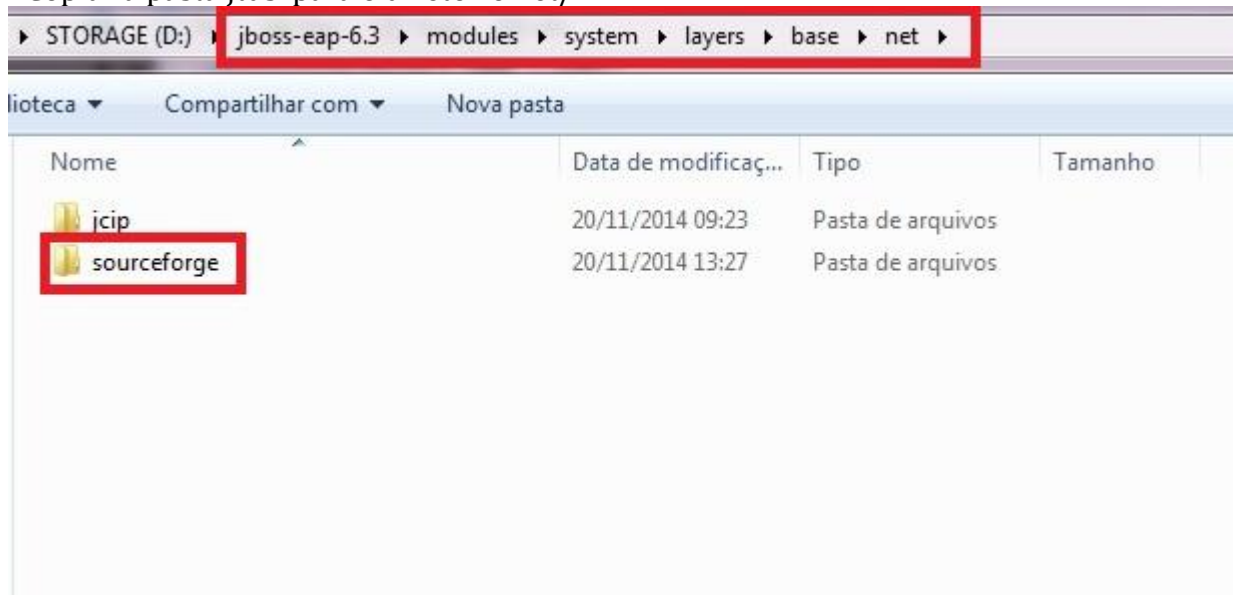


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- **INSTALAR O MÓDULO DO DRIVER JDBC JTDS (SQLSERVER)**

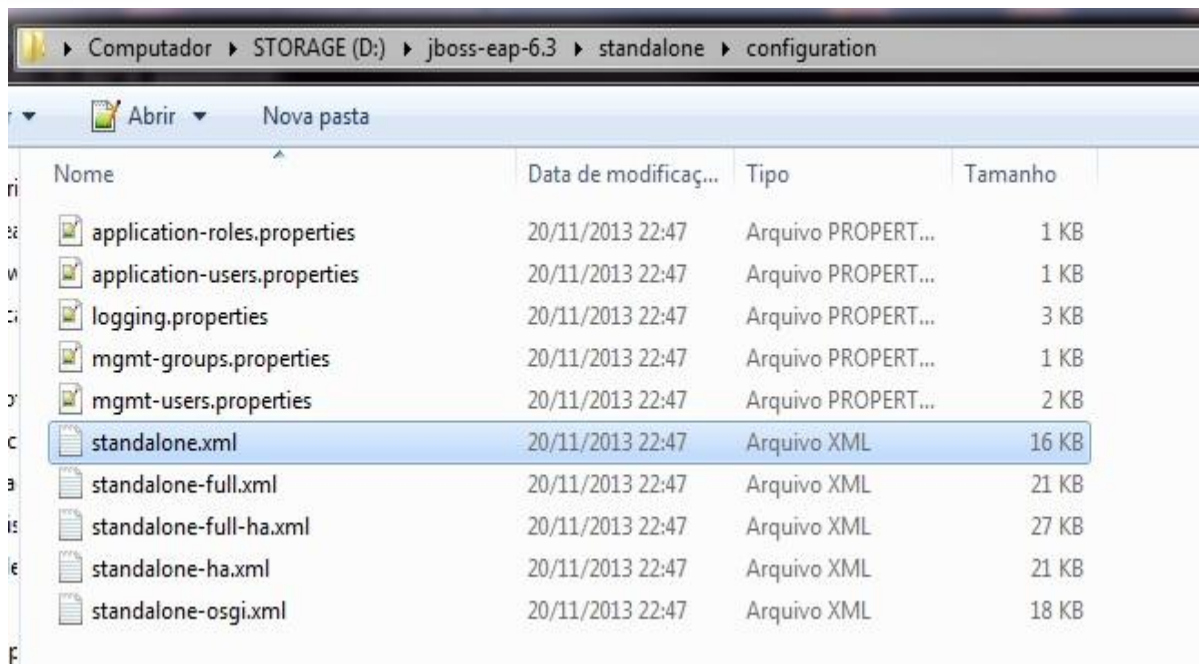
- \${jboss.home}/modules/system/layers/base/net/sourceforge/
- Copiar a pasta jtids para o diretório net/



- **OBS:** Sempre fazer a instalação de ambos os drivers jdbc, pois os projetos têm dependência implícita de ambos por ficar dentro de um XML na WAR e como não temos uma distribuição para cada banco de dados é necessário ter ambos os drivers instalados no JBoss.

- **CONFIGURAR O DATASOURCE NO ARQUIVO STANDALONE.XML**

- \${jboss.home}/standalone/configuration/



Nome	Data de modificaç...	Tipo	Tamanho
application-roles.properties	20/11/2013 22:47	Arquivo PROPERT...	1 KB
application-users.properties	20/11/2013 22:47	Arquivo PROPERT...	1 KB
logging.properties	20/11/2013 22:47	Arquivo PROPERT...	3 KB
mgmt-groups.properties	20/11/2013 22:47	Arquivo PROPERT...	1 KB
mgmt-users.properties	20/11/2013 22:47	Arquivo PROPERT...	2 KB
standalone.xml	20/11/2013 22:47	Arquivo XML	16 KB
standalone-full.xml	20/11/2013 22:47	Arquivo XML	21 KB
standalone-full-ha.xml	20/11/2013 22:47	Arquivo XML	27 KB
standalone-ha.xml	20/11/2013 22:47	Arquivo XML	21 KB
standalone-osi.xml	20/11/2013 22:47	Arquivo XML	18 KB

- Exemplo de conexão com o banco de dados ORACLE:

```
<datasources>
  <datasource jta="true" jndi-name="java:jboss/datasources/totvsDS" pool-name="TotvsDS" enabled="true" use-
java-context="true">
    <connection-url>jdbc:oracle:thin:@//192.168.0.1:1521/ORA</connection-url>
    <driver>oracle</driver>
    <pool>
      <min-pool-size>5</min-pool-size>
      <max-pool-size>20</max-pool-size>
      <prefill>true</prefill>
    </pool>
    <security>
      <user-name>APP_HML</user-name>
      <password>APP_HML</password>
    </security>
  </datasource>
  <drivers>
    <driver name="jtds" module="net.sourceforge.jtds">
      <driver-class>net.sourceforge.jtds.jdbc.Driver</driver-class>
      <xa-datasource-class>net.sourceforge.jtds.jdbcx.JtdsDataSource</xa-datasource-class>
    </driver>
    <driver name="oracle" module="com.oracle.ojdbc6">
      <xa-datasource-class>oracle.jdbc.OracleDriver</xa-datasource-class>
    </driver>
  </drivers>
</datasources>
```

Modelo MSSQL SERVER:

- Exemplo de conexão com o banco de dados MSSQL SERVER:

```
<datasources>
  <datasource jta="true" jndi-name="java:jboss/datasources/totvsDS" pool-name="TotvsDS" enabled="true" use-
java-context="true">
    <connection-url> jdbc:jtds:sqlserver://192.168.1.1/app_hml;instance=sql2008</connection-url>
    <driver>jtds</driver>
    <pool>
      <min-pool-size>5</min-pool-size>
      <max-pool-size>20</max-pool-size>
      <prefill>true</prefill>
    </pool>
    <security>
      <user-name>APP_HML</user-name>
      <password>APP_HML</password>
    </security>
  </datasource>
</drivers>
  <driver name="jtds" module="net.sourceforge.jtds">
    <driver-class>net.sourceforge.jtds.jdbc.Driver</driver-class>
    <xa-datasource-class>net.sourceforge.jtds.jdbcx.JtdsDataSource</xa-datasource-class>
  </driver>
  <driver name="oracle" module="com.oracle.ojdbc6">
    <xa-datasource-class>oracle.jdbc.OracleDriver</xa-datasource-class>
  </driver>
</drivers>
</datasources>
```

- Exemplo de conexão com o banco de dados usando Trilha de Auditoria:

```
<datasources>
  <datasource jta="true" jndi-name="java:jboss/datasources/totvsDS" pool-name="TotvsDS" enabled="true" use-
java-context="true">
    <connection-url>jdbc:auditoria:oracle:thin:@//192.168.1.1:1521/ORAHML</connection-url>
    <driver>auditoria</driver>
    <pool>
      <min-pool-size>5</min-pool-size>
      <max-pool-size>20</max-pool-size>
      <prefill>true</prefill>
    </pool>
    <security>
      <user-name>APP_HML</user-name>
      <password>APP_HML</password>
    </security>
  </datasource>
</drivers>
  <driver name="jtds" module="net.sourceforge.jtds">
    <driver-class>net.sourceforge.jtds.jdbc.Driver</driver-class>
    <xa-datasource-class>net.sourceforge.jtds.jdbcx.JtdsDataSource</xa-datasource-class>
  </driver>
  <driver name="oracle" module="com.oracle.ojdbc6">
```

```

        <xa-datasource-class>oracle.jdbc.OracleDriver</xa-datasource-class>
    </driver>
    <driver name="auditoria" module="com.totalbanco.auditoria">
        <xa-datasource-
class>com.totalbanco.auditoria.driver.AuditoriaDriver</xa-datasource-class>
    </driver>
</drivers>
</datasources>

```

- **ADICIONAR O SECURITY DOMAIN DO JOSSO NO STANDALONE.XML DENTRO DA TAG <SECURITY-DOMAINS> ... </SECURITY-DOMAINS>**

```

<security-domain xmlns="urn:jboss:domain:security:1.1" name="josso">
  <authentication-jaspi>
    <login-module-stack name="josso-stack">
      <login-module code="org.josso.jb7.agent.JBossSSOGatewayLoginModule"
flag="required">
        <module-option name="debug" value="true"/>
      </login-module>
    </login-module-stack>
    <auth-module code="org.josso.jaspi.agent.JASPISSOAuthModule" login-module-stack-
ref="josso-stack"/>
  </authentication-jaspi>
</security-domain>

```

EXEMPLO:

```

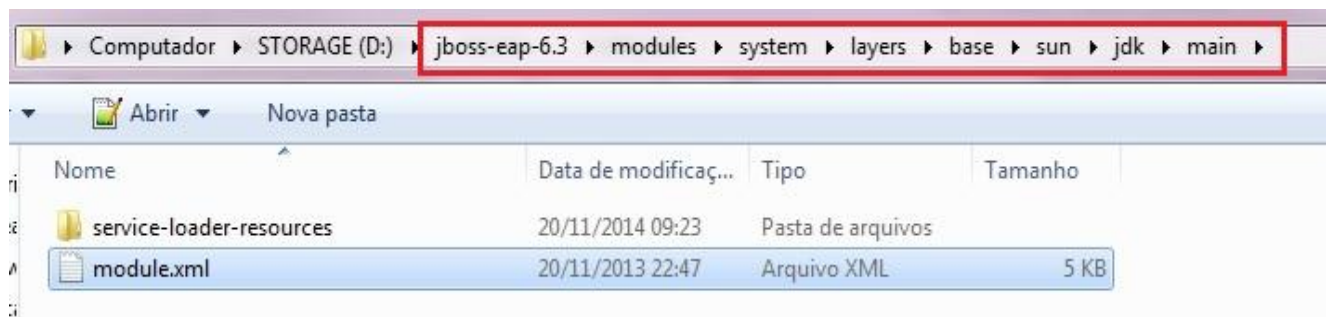
262     </remote-naming/>
263   </subsystem>
264   <subsystem xmlns="urn:jboss:domain:pojo:1.0"/>
265   <subsystem xmlns="urn:jboss:domain:remoting:1.1">
266     <connector name="remoting-connector" socket-binding="remoting" security-realm="ApplicationRealm"/>
267   </subsystem>
268   <subsystem xmlns="urn:jboss:domain:resource-adapters:1.1"/>
269   <subsystem xmlns="urn:jboss:domain:sar:1.0"/>
270   <subsystem xmlns="urn:jboss:domain:security:1.2">
271     <security-domains>
272       <security-domain name="other" cache-type="default">
273         <authentication>
274           <login-module code="Remoting" flag="optional">
275             <module-option name="password-stacking" value="useFirstPass"/>
276           </login-module>
277           <login-module code="RealmDirect" flag="required">
278             <module-option name="password-stacking" value="useFirstPass"/>
279           </login-module>
280         </authentication>
281       </security-domain>
282       <security-domain name="jboss-web-policy" cache-type="default">
283         <authorization>
284           <policy-module code="Delegating" flag="required"/>
285         </authorization>
286       </security-domain>
287       <security-domain name="jboss-ejb-policy" cache-type="default">
288         <authorization>
289           <policy-module code="Delegating" flag="required"/>
290         </authorization>
291       </security-domain>
292       <security-domain name="josso">
293         <authentication-jaspi>
294           <login-module-stack name="josso-stack">
295             <login-module code="org.josso.jb7.agent.JBossSSOGatewayLoginModule" flag="required">
296               <module-option name="debug" value="true"/>
297             </login-module>
298           </login-module-stack>
299           <auth-module code="org.josso.jaspi.agent.JASPISSOAuthModule" login-module-stack-ref="josso-stack"/>
300         </authentication-jaspi>
301       </security-domain>
302     </security-domains>
303   </subsystem>

```

- **CONFIGURAR MODULOS PARA APLICAÇÃO**

- \${jboss.home}/modules/system/layers/base/sun/jdk/main/modules.xml
- Dentro da tag **<paths>** adicionar:

```
<path name="com/sun/org/apache/xerces/internal/dom"/>
<path name="com/sun/org/apache/xerces/internal/xni"/>
<path name="com/sun/org/apache/xerces/internal/jaxp"/>
<path name="com/sun/org/apache/xml/internal/resolver"/>
<path name="com/sun/org/apache/xml/internal/resolver/tools"/>
```

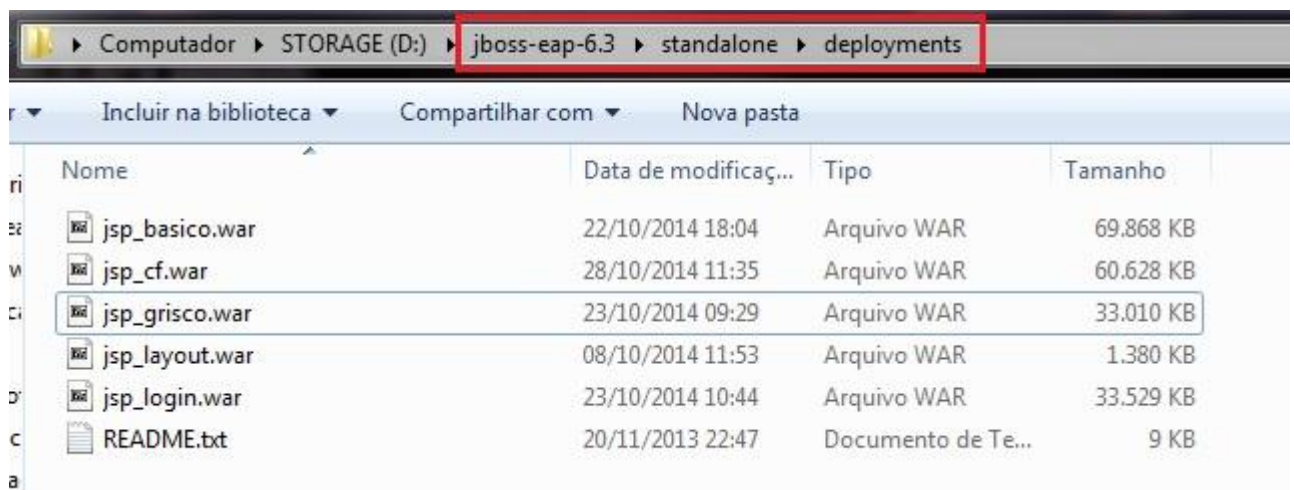


- **Diretório DEPLOY**

- \${jboss.home}/standalone/deployments/

Neste diretório você deverá inserir os arquivos .war.

Um detalhe importante sempre que for colocar os arquivos ou remover, deverá parar o JBOSS primeiramente.



Após inserir ou remover os arquivos deverá subir o serviço do JBOSS.

- **DIRETÓRIO BIN**

-standalone.conf(Linux) ou standalone.conf.bat(Windows): Configuração do JAVA_HOME e JAVA_OPTS.

JAVA_HOME = Diretório do JAVA

JAVA_OPTS= Configurações de memória e variáveis para subir as aplicações.

2.2. Iniciando o JBOSS

Windows:

```
D:\jboss-eap-6.3\bin>standalone.bat -b 0.0.0.0
```

Linux:

```
# sh standalone.sh -b 0.0.0.0
```