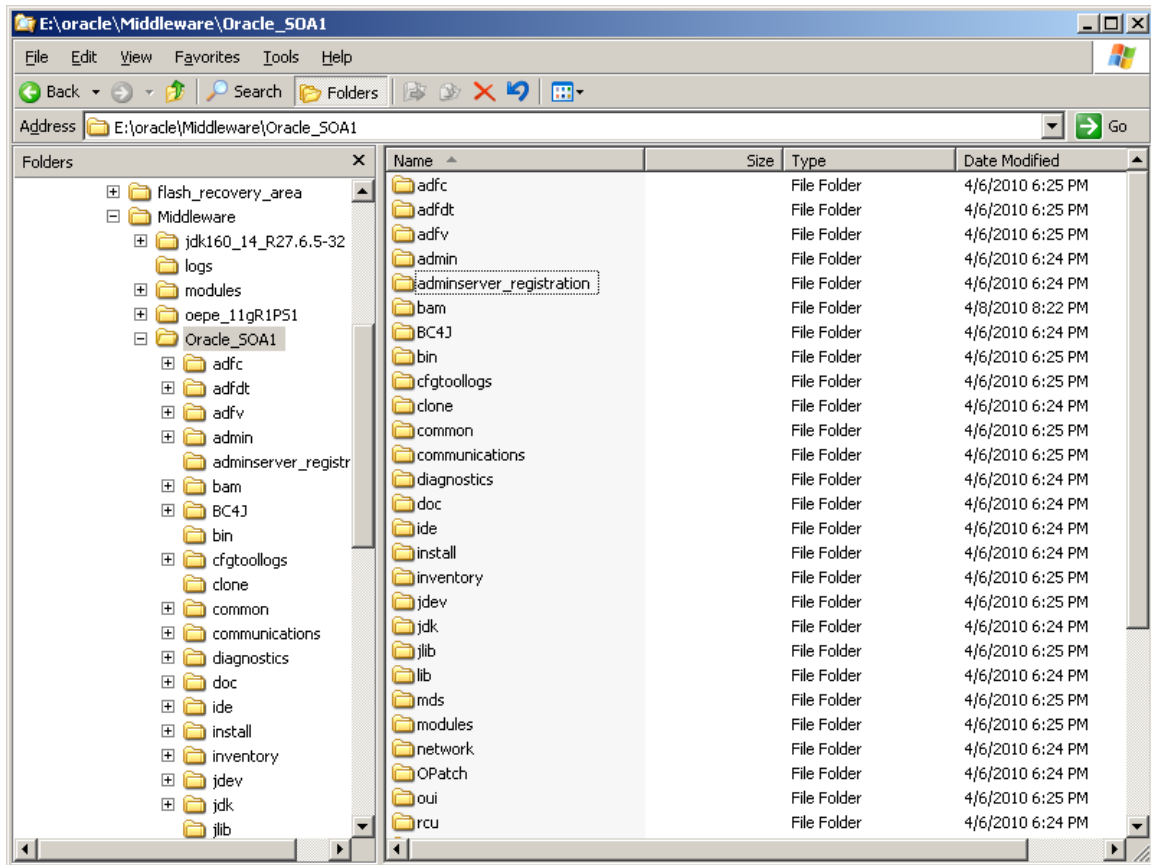


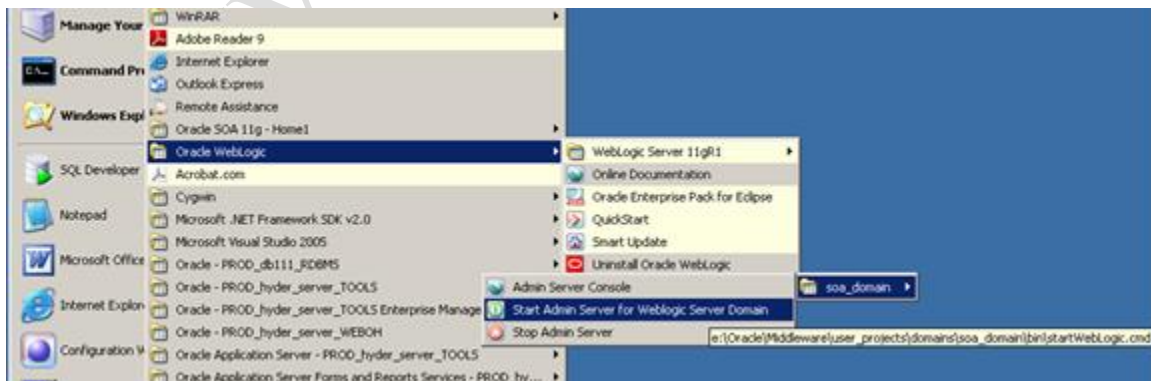
After installation and configuration of SOA

Start/Stop the Admin Server and Managed servers



Start the Admin server either by start menu or by startWebLogic.cmd

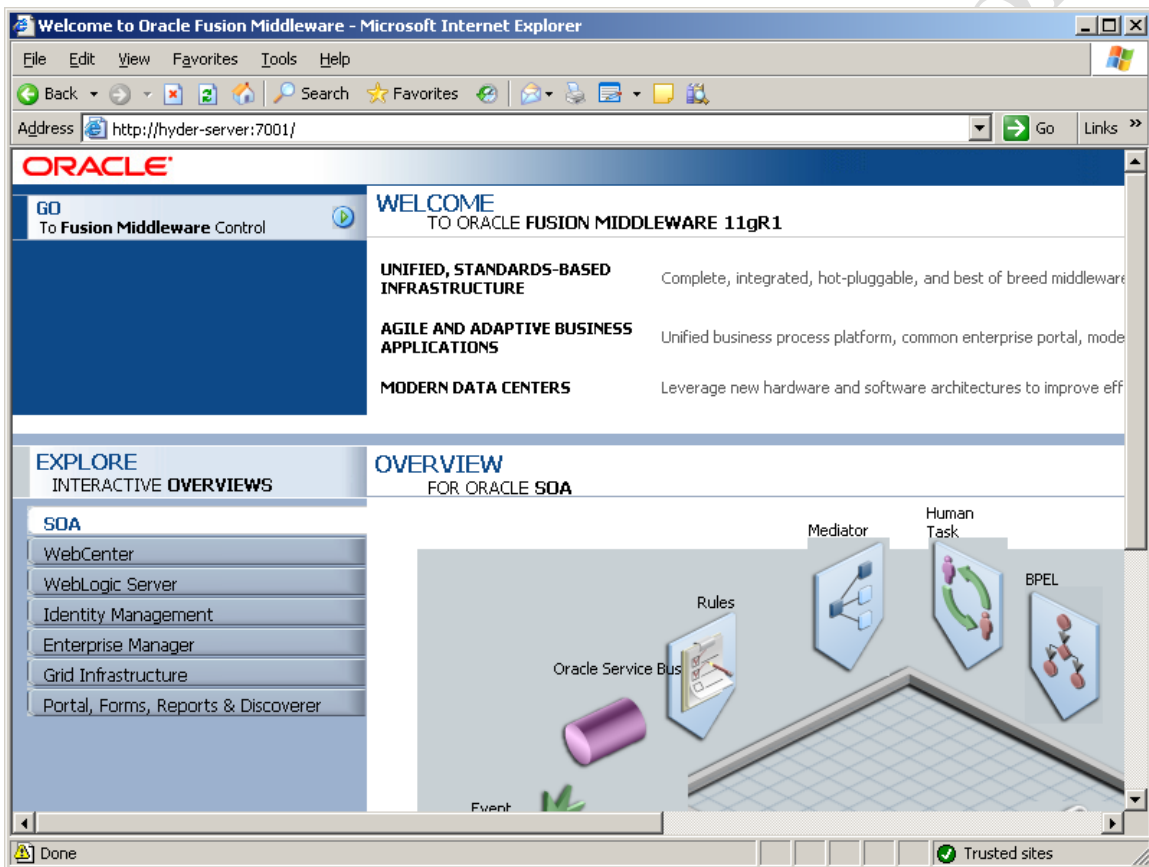
E:\oracle\Middleware\user_projects\domains\soa_domain\bin\startWebLogic.cmd



Now the server is started in running mode

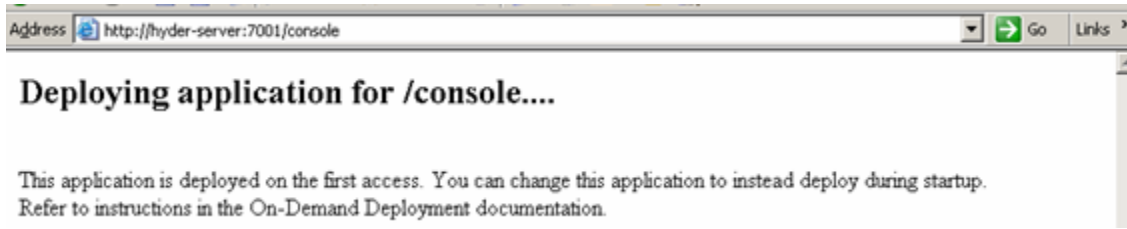
```
ault[11]" is now listening on 127.0.0.1:7001 for protocols iio, t3, ldap, snmp,
http.>
<Apr 13, 2010 2:43:41 AM GMT+05:30> <Notice> <WebLogicServer> <BEA-000331> <Star
ted WebLogic Admin Server "AdminServer" for domain "soa_domain" running in Devel
opment Mode>
<Apr 13, 2010 2:43:41 AM GMT+05:30> <Notice> <WebLogicServer> <BEA-000365> <Serv
er state changed to RUNNING>
<Apr 13, 2010 2:43:41 AM GMT+05:30> <Notice> <WebLogicServer> <BEA-000360> <Serv
er started in RUNNING mode>
```

Fusion Middleware welcome page can be accessed through <http://host.domain:port>

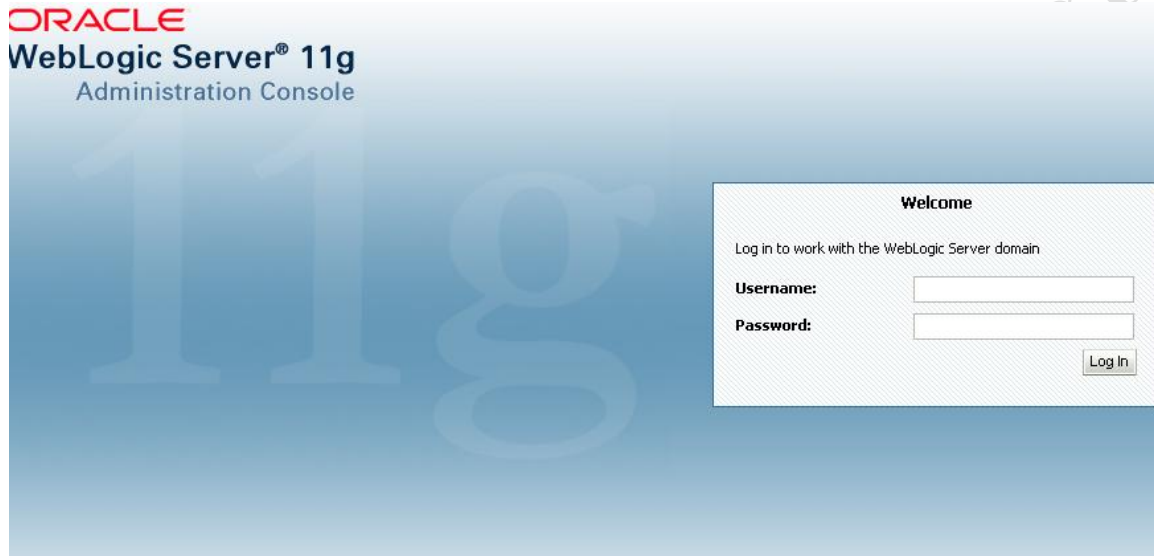


We can access the administration console with the following url

<http://host.domain:port/console>



The admin console itself is a jar file deployed onto the WL server when accessed for the first time, once it is deployed the following login page is displayed.



Give userid and password used at the time of configuring the domain.

The following admin console page is displayed.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

- soa_domain
 - Environment
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

How do I...

- Search the configuration
- Use the Change Center
- Record WLST Scripts
- Change Console preferences
- Monitor servers

System Status

Home Page

Information and Resources

Helpful Tools

- Configure applications
- Recent Task Status
- Set your console preferences
- Oracle Enterprise Manager

General Information

- Common Administration Task Desc
- Read the documentation
- Ask a question on My Oracle Supp
- Oracle Guardian Overview

Domain Configurations

Domain

- Domain

Environment

- Servers
- Clusters
- Virtual Hosts
- Migratable Targets
- Machines
- Work Managers
- Startup And Shutdown Classes

Your Deployed Resources

- Deployments

Services

- Messaging
 - JMS Servers
 - Store-and-Forward Agents
 - JMS Modules
 - Path Services
 - Bridges
- JDBC
 - Data Sources
 - Multi Data Sources
 - Data Source Factories
- Persistent Stores
- XML Registries
- XML Entity Caches
- Foreign JNDI Providers

Select environment → server under the soa_domain domain

Notice that both the managed servers, soa_server1 and bam_server1 are down.

SERVERS (FILTERED) | MORE COLUMNS (1/2)

New Clone Delete Showing 1 to 3 of 3 Previous | Next

<input type="checkbox"/>	Name ^	Cluster	Machine	State	Health	Listen Port
<input type="checkbox"/>	AdminServer(admin)			RUNNING	OK	7001
<input type="checkbox"/>	bam_server1		LocalMachine	SHUTDOWN		9001
<input type="checkbox"/>	soa_server1			SHUTDOWN		8001

New Clone Delete Showing 1 to 3 of 3 Previous | Next

Start both managed servers by the help of managed server script.

Under

E:\oracle\Middleware\user_projects\domains\soa_domain\bin using the following command

startManagedWeblogic.cmd soa_server1 <http://hostname:port>

similarly for bam_server1

The script will prompt for wls admin username and password.

```

rosystems Inc.>
<Apr 13, 2010 3:01:11 AM GMT+05:30> <Info> <Security> <BEA-090065> <Getting boot
identity from user.>
Enter username to boot WebLogic server:system
Enter password to boot WebLogic server:

```

Once the soa_server1 managed server is up and running. The following message is displayed.

```

erBookingComposite!1.0*926767e2-255d-4bab-99f3-adc39a309899
INFO: WLSFabricKernelInitializer$2.run -----> Done deploying composites. took
9 seconds.
INFO: FabricProviderServlet.stateChanged SOA Platform is running and accepting r
equests

```

When both the servers are up and running. Check the status in admin console.

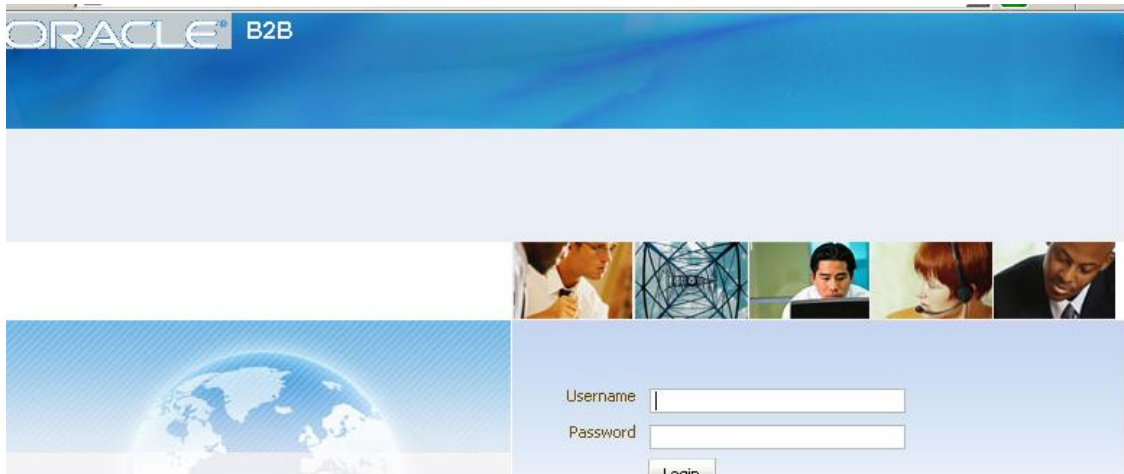
<input type="checkbox"/>	Name	Cluster	Machine	State	Health	Listen Port
<input type="checkbox"/>	AdminServer(admin)			RUNNING	OK	7001
<input type="checkbox"/>	bam_server1		LocalMachine	RUNNING	OK	9001
<input type="checkbox"/>	soa_server1			RUNNING	OK	8001

Log in to Oracle Enterprise Manager 11g Fusion Middleware control.

<http://host.domain:port/em>

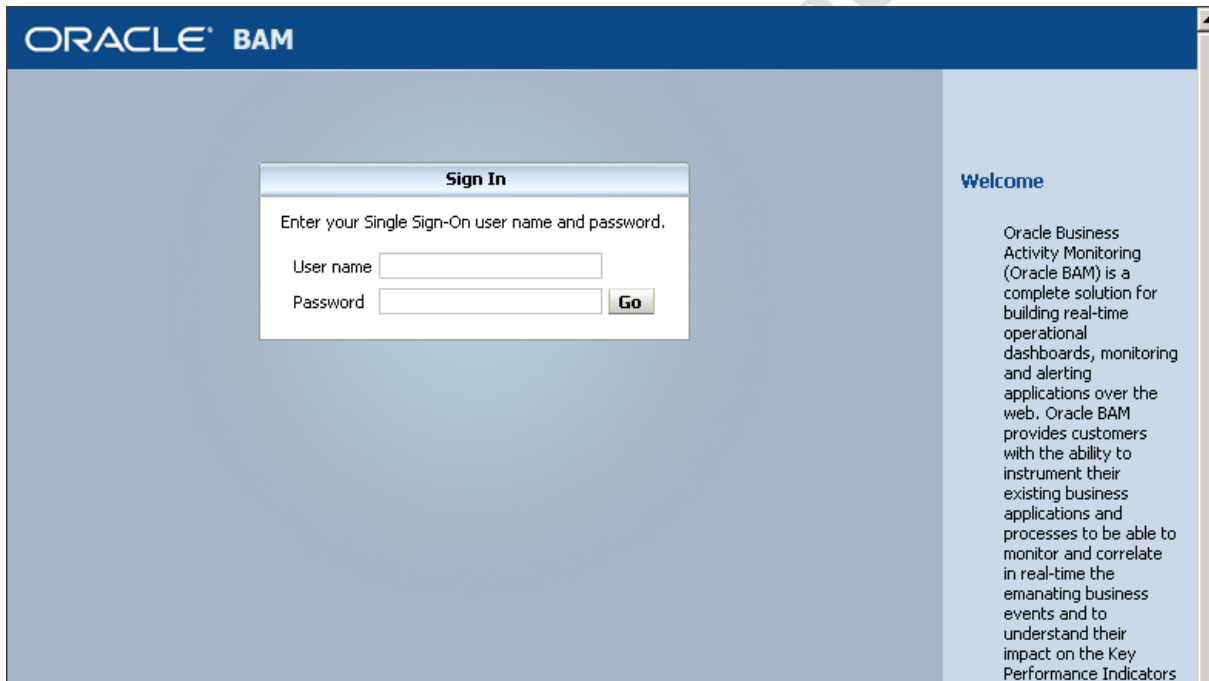
Use the same username password configured for admin console.

<http://localhost:8001/b2b>



The link for BAM (must use IE browser)

<http://localhost:9001/OracleBAM>



Configuring Data Sources

Login to the Admin console

Navigate to domain structure → domain_name → services → JDBC → Data Sources

Summary of JDBC Data Sources

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.

This page summarizes the JDBC data source objects that have been created in this domain.

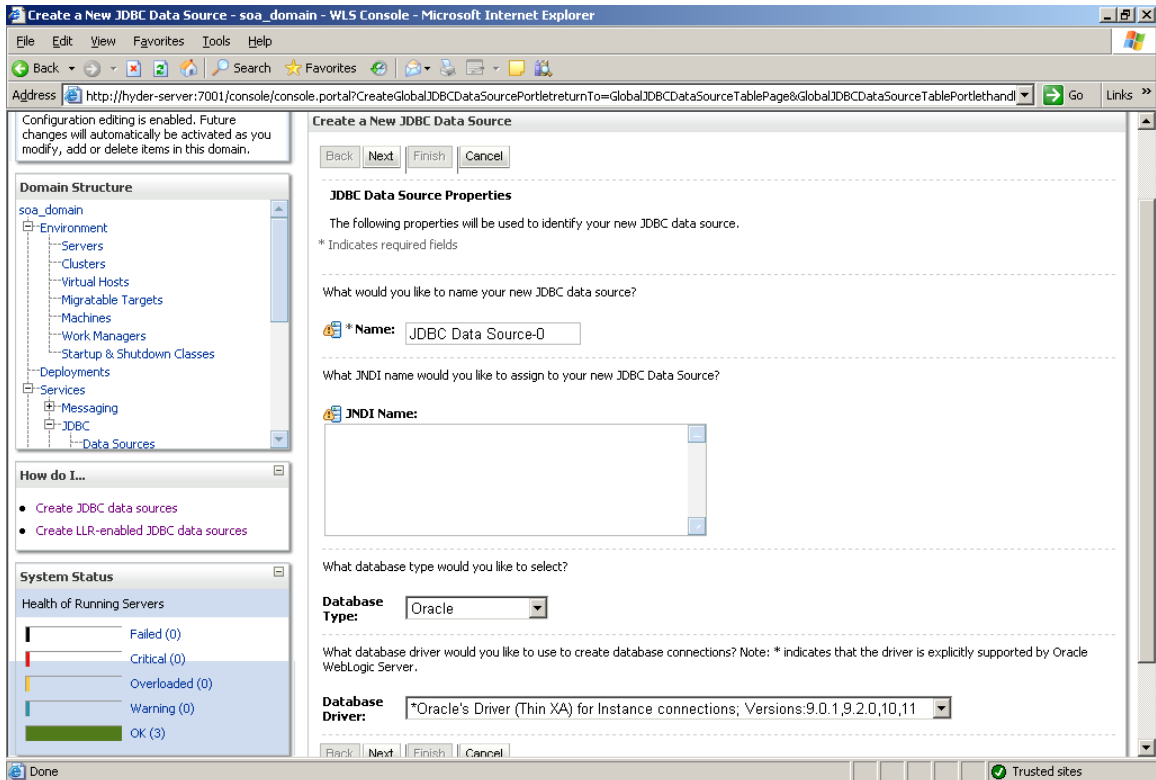
Customize this table

Data Sources(Filtered - More Columns Exist)

<input type="button" value="New"/>	<input type="button" value="Delete"/>	Showing 1 to 9 of 9 Previous Next	
<input type="checkbox"/>	Name ↕	JNDI Name	Targets
<input type="checkbox"/>	BAMDataSource	jdbc/oracle/bam/adc	bam_server1
<input type="checkbox"/>	EDNDataSource	jdbc/EDNDataSource	soa_server1
<input type="checkbox"/>	EDNLocalTxDataSource	jdbc/EDNLocalTxDataSource	soa_server1
<input type="checkbox"/>	JDBC-ebs	oracle.apps.fnd.ext.jdbc.datasource.AppsDataSource	bam_server1, soa_server1
<input type="checkbox"/>	mds-owsm	jdbc/mds/owsm	AdminServer, bam_server1, soa_server1
<input type="checkbox"/>	mds-soa	jdbc/mds/MDS_LocalTxDataSource	AdminServer, soa_server1
<input type="checkbox"/>	OraSDPMDDataSource	jdbc/OraSDPMDDataSource	bam_server1, soa_server1
<input type="checkbox"/>	SOADataSource	jdbc/SOADataSource	soa_server1
<input type="checkbox"/>	SOALocalTxDataSource	jdbc/SOALocalTxDataSource	soa_server1

Click on New as shown in above window

Create a new datasource dialogue will appear.



Give datasource name and jndi name for the datasource.

Provide details like the database type

Database drivers want to use.

Database=oracle, driver is non-XA thin driver.

Click on next, the following page appears

Deselect the supports Global Transactions check box and click next

The following page prompts for the database details to create the data source.

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

- soa_domain
 - Environment
 - Servers
 - Clusters
 - Virtual Hosts
 - Migratable Targets
 - Machines
 - Work Managers
 - Startup & Shutdown Classes
 - Deployments
 - Services
 - Messaging
 - JDBC
 - Data Sources

How do I...

- Create JDBC data sources
- Create LLR-enabled JDBC data sources

System Status

Health of Running Servers

	Failed (0)
	Critical (0)
	Overloaded (0)
	Warning (0)
	OK (3)

Create a New JDBC Data Source

Back Next Finish Cancel

Connection Properties

Define Connection Properties.

What is the name of the database you would like to connect to?

Database Name:

What is the name or IP address of the database server?

Host Name:

What is the port on the database server used to connect to the database?

Port:

What database account user name do you want to use to create database connections?

Database User Name:

What is the database account password to use to create database connections?

Password:

Confirm Password:

Back Next Finish Cancel

Done Trusted sites

WWW.FOCUSTECH

Test Database Connection

Test the database availability and the connection properties you provided.

What is the full package name of JDBC driver class used to create database connections in the connection pool?

(Note that this driver class must be in the classpath of any server to which it is deployed.)

Driver Class Name:

What is the URL of the database to connect to? The format of the URL varies by JDBC driver.

URL:

What database account user name do you want to use to create database connections?

Database User Name:

What is the database account password to use to create database connections?

(Note: for secure password management, enter the password in the Password field instead of the Properties field below)

Password:

Make sure the following message appears

Messages

✔ Connection test succeeded.

Create a New JDBC Data Source

Click finish to complete the wizard.