

Oracle® Fusion Middleware

WebLogic Server Administration

Lab 5.1: WebLogic Remote Console (Traditional Admin Console Replacement)



14.1.2 & 15.1.1
DT246055-07
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Oracle Fusion Middleware: WebLogic Server Administering (14.1.2 & 15.1.1)

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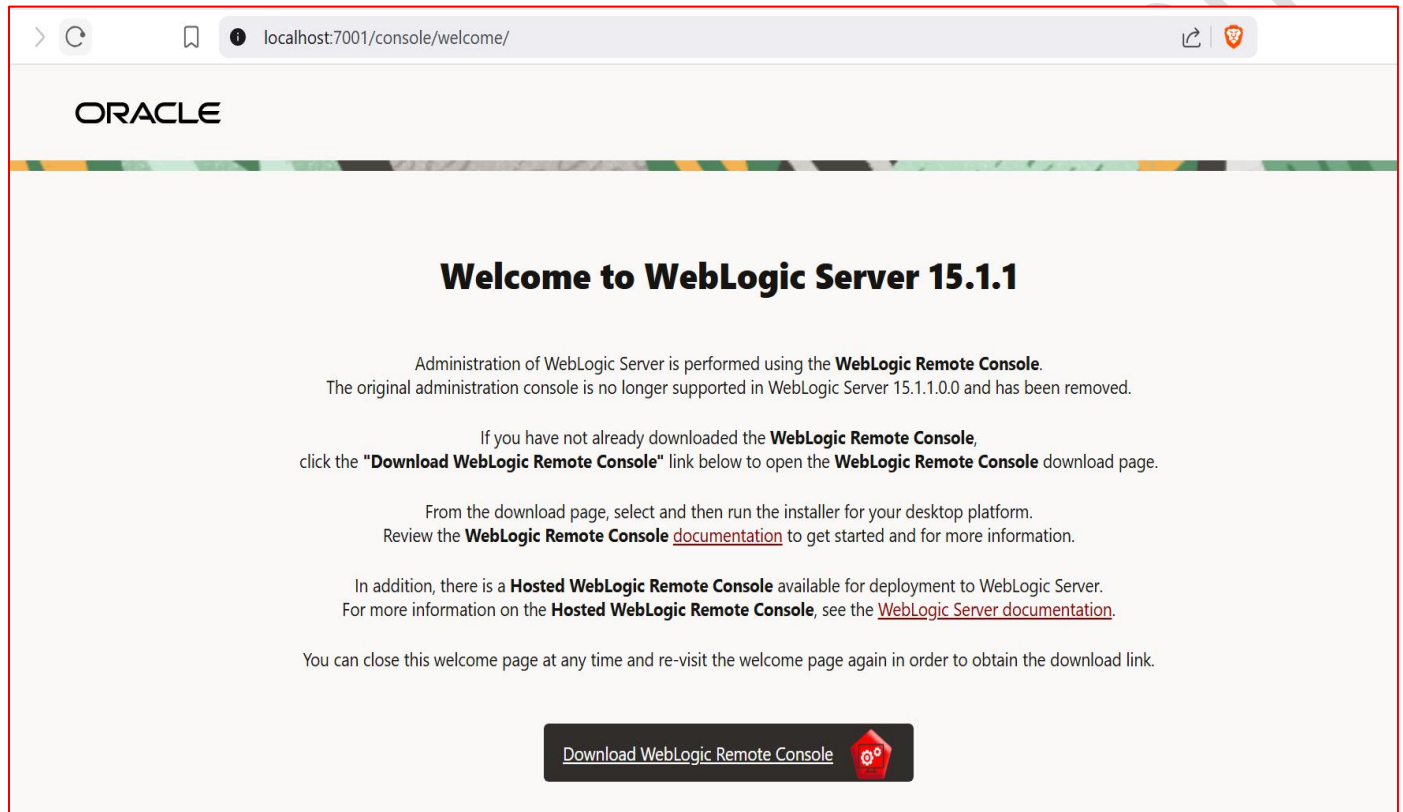
Understand WebLogic Remote Console Extension

WebLogic Server Remote Console (14.1.2 Onwards)

Access Admin Console

Big change from 14.1.2 onwards

If you try to access admin console in traditional way (As we access till 14.1.1) using http://hostname_or_ip:7001/console, you will get below screen.



Understand Oracle WebLogic Remote Console

Starting with Oracle WebLogic Server 14.1.2, Oracle introduced the Oracle WebLogic Remote Console as the primary graphical administration interface for WebLogic Server. It is the successor to the traditional WebLogic Administration Console and is intended to replace it for GUI-based administration. Unlike the traditional Administration Console, the Remote Console is a standalone application that communicates with the WebLogic Administration Server using the WebLogic Management REST APIs. It offers a modern user interface, supports multiple WebLogic domains, and can be upgraded independently of the WebLogic Server.

The Remote Console is available in two deployment options:

1. Remote Console Desktop Client (Recommended)

The Desktop Client is a standalone application that can be installed on Windows, Linux, or macOS. It provides a rich graphical interface for administering one or more WebLogic domains and is the preferred option for administrators who have permission to install software on their local machines.

2. Browser-Based Remote Console (Also called Deploy Hosted WebLogic Remote Console)

Sample Lab Document

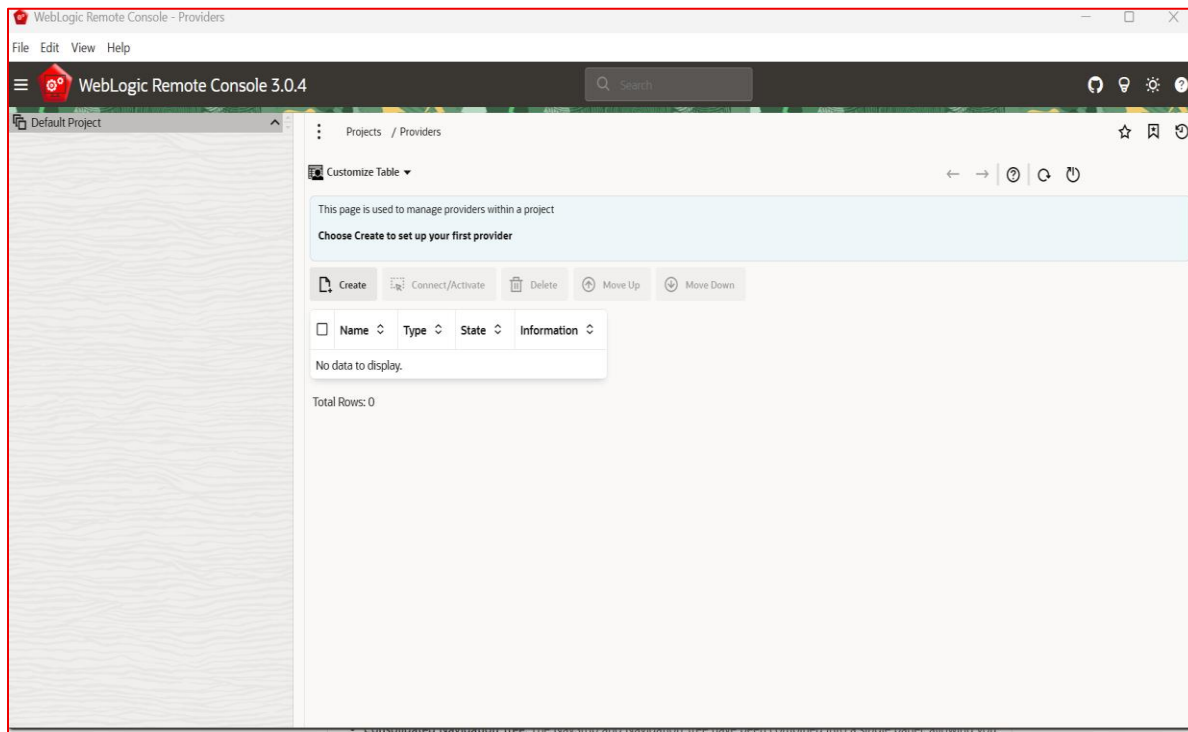
Which Option Should You Use?

Deployment Option	Recommended For
Desktop Client	Administrators who can install software on their local machine and prefer a standalone application.
Browser-Based Remote Console	Organizations with strict security policies where users are not permitted to install desktop applications or where centralized administration is preferred.

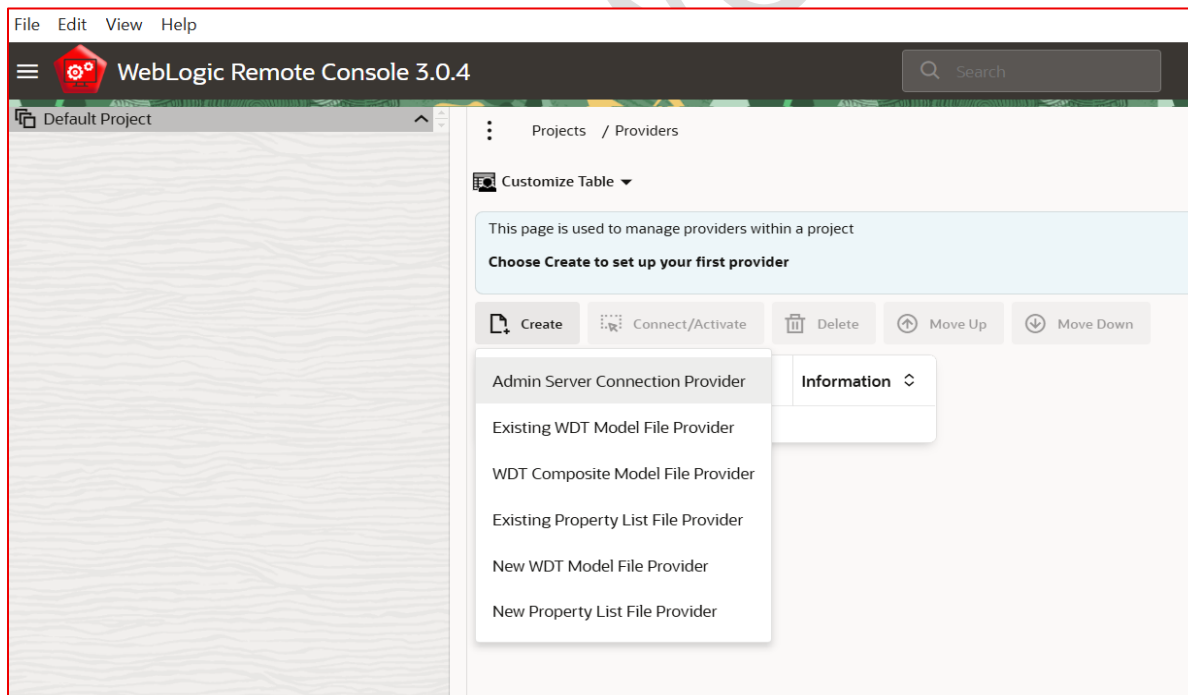
Sample Lab Document

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Click on Create option to add provider



Select Admin Server Connection Provider



Enter your domain details

Admin Server Connection Provider

Enter new name and connectivity settings for connection provider.

Name	Admin-Server-Connection-1
Use Web Authentication	Off
URL*	http://localhost:7001
User Name	weblogic
Password	*****
Proxy Override	
Connect Timeout Override (ms)	
Read Timeout Override (ms)	
Make Insecure Connection	On

Click on Connect/Activate option

Sample Lab Document

Understand Different Trees

The Administration Server in Oracle WebLogic Remote Console is organized into different perspectives, with each perspective designed for a specific administration task.

Edit Tree

The Edit Tree allows you to modify the domain configuration.

Use this perspective when you want to:

- Create or delete servers and clusters
- Configure JDBC Data Sources, JMS, Machines, and Deployments
- Change domain settings
- Save and activate configuration changes

Use the Edit Tree whenever you need to make configuration changes to the domain.

Configuration View Tree

Sample Lab Document

Install and Configure Browser Based Remote Console (Deploy Hosted WebLogic Remote Console)

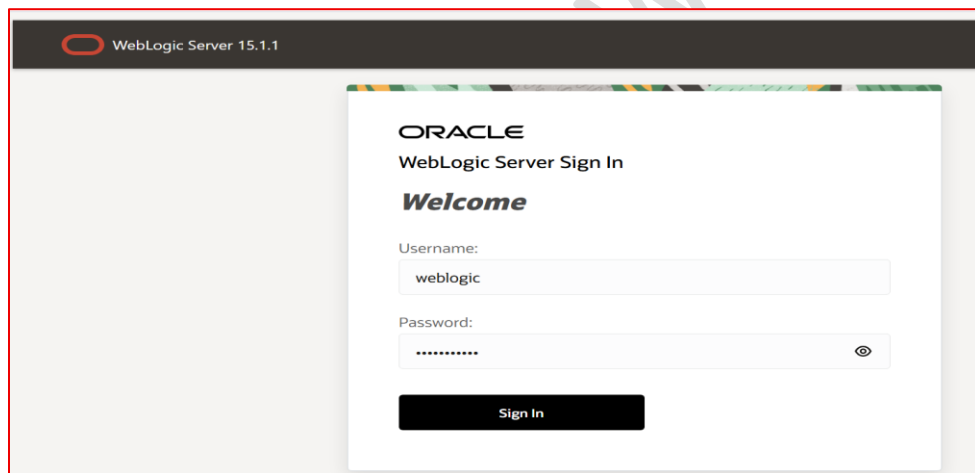
Note: The Oracle WebLogic Remote Console (Desktop Client) is compatible with WebLogic Server 12.2.1.4.0 and later. However, the Hosted WebLogic Remote Console is supported only when the Administration Server is running WebLogic Server 14.1.2.0.0 or later. If you are using WebLogic Server 12.2.1.4, you can use the Desktop Client, but the Hosted (Browser-Based) Remote Console deployment is not supported.

Option 1:**Install and Configure Hosted Remote Console**

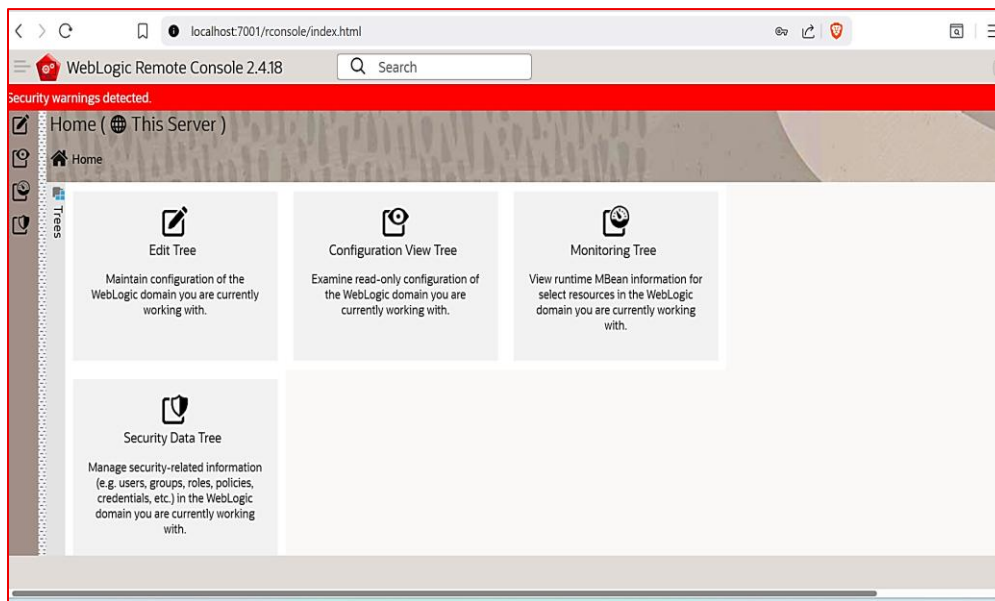
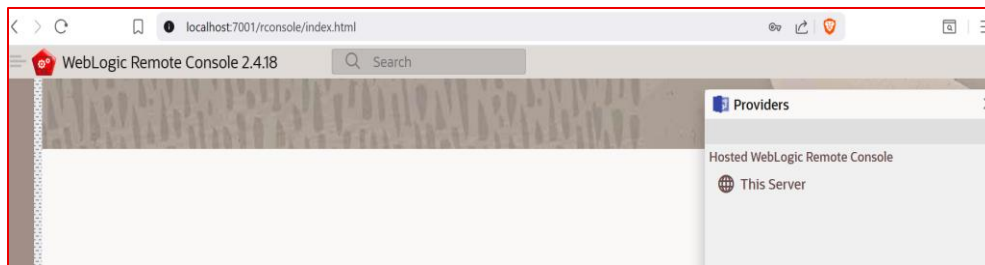
Sample Lab Document

Access Remote Console.

Open a browser and enter http://IP_DNS_of_Admin_Machine:7001/rconsole (or for HTTPS, https://IP_DNS_of_Admin_Machine:port/rconsole).

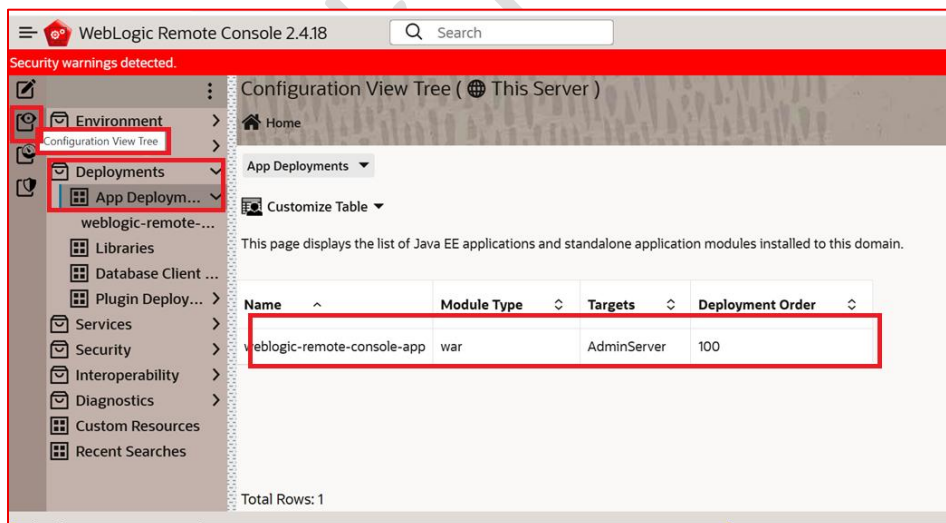


Click on “This Server”



Go to deployment and verify admin console app.

Click on “Configuration Tree” on right hand side, Then Deployments > App Deployments



Option2 : (in Development Mode)

Download windows zip file and extract

	WebLogic-Remote-Console-3.0.4-arm64-mac.zip.blockmap	sha256:d07404d8e07facd60...		282 KB	last i
	weblogic-remote-console-3.0.4-linux.AppImage	sha256:babb0949d7ff4289a...		275 MB	last
	weblogic-remote-console-3.0.4-linux.deb	sha256:c2424b41e3bf936c...		243 MB	last
	weblogic-remote-console-3.0.4-linux.rpm	sha256:3352193736e6f0efe...		223 MB	last
	weblogic-remote-console-3.0.4-linux.zip	sha256:5eb1c74ca92d936cd...		268 MB	last i
	WebLogic-Remote-Console-3.0.4-win.exe	sha256:310b4822773c6ae4e...		240 MB	last i
	WebLogic-Remote-Console-3.0.4-win.exe.blockmap	sha256:dc852fb684faa3568...		253 KB	last i
	WebLogic-Remote-Console-3.0.4-win.zip	sha256:b48ff406b32905a2a...		275 MB	last i
	WebLogic-Remote-Console-3.0.4-x64-mac.dmg	sha256:60322d58f16e6212b...		272 MB	last i
	WebLogic-Remote-Console-3.0.4-x64-mac.dmg.blockmap	sha256:9f972e56d99ee1190...		286 KB	last
	WebLogic-Remote-Console-3.0.4-x64-mac.zip	sha256:01d36d0b6e7959326...		272 MB	last i

Sample Lab Document

Understand WebLogic Remote Console Extension

The WebLogic Remote Console Extension enhances Administration Server connections by providing advanced management capabilities, including:

- View pending changes before activation (Shopping Cart).
- Manage security data such as users, groups, roles, policies, and credential mappings.
- Create and edit deployment plans for applications.
- Manage JMS messages (import, export, delete).
- Manage JTA transactions (import, export, delete).
- Test JDBC data source connections.
- Browse the JNDI tree to inspect resources like JMS, EJB, RMI, and JDBC.
- Upload and redeploy new applications or database client data.
- Analyze server connection issues for troubleshooting.

In short, the extension adds advanced administration, security management, deployment, messaging, transaction management, diagnostics, and troubleshooting capabilities to WebLogic Remote Console.

Sample Lab Document

```
l.Default (self-tuning)' Configuration' for id '1380078792511400 [weblogic-remote-console-app]'
at Jul 11 15:52:16 IST 2026 Start 'commit callback' on DeploymentReceiver for '[STANDBY] ExecuteThread: '14' for queue: 'weblogic.ke
nel.Default (self-tuning)' Application' for id '1380078792511400 [weblogic-remote-console-app]'
ul 11, 2026 4:01:33 PM weblogic.remoteconsole.server.connection.ConnectionManager doConnect
NFO: Connection response from WebLogic Domain: InboundJaxrsResponse{context=ClientResponse{method=POST, uri=http://192.168.29.176:70
1/management/weblogic/12.2.1.0.0/domainConfig/search?enableConsoleRestExtension=true, status=200, reason=OK}}
ul 11, 2026 4:01:33 PM weblogic.remoteconsole.server.connection.ConnectionManager connect
NFO: The domain has version '2.4.18-202509091659' of the WebLogic Remote Console Extension installed.
ul 11, 2026 4:01:33 PM weblogic.remoteconsole.server.connection.ConnectionManager doConnect
NFO: Connection response from WebLogic Domain: InboundJaxrsResponse{context=ClientResponse{method=POST, uri=http://192.168.29.176:70
1/management/weblogic/12.2.1.0.0/serverRuntime/search?enableConsoleRestExtension=true, status=200, reason=OK}}
ul 11, 2026 4:01:33 PM weblogic.remoteconsole.server.connection.ConnectionManager connect
NFO: >>>> Connected to the WebLogic Domain 'wls1412' with version '15.1.1.0.0' <<<<
ul 11, 2026 5:34:52 PM weblogic.remoteconsole.server.connection.ConnectionManager doConnect
```

Now to upgrade it to the latest version you have to apply latest CPU/SPB.

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