Install Oracle MapViewer 12.2.1.1.0 on WebLogic without JRF components

The basic steps are:

- Download and install WLS can be the generic or the infrastructure FMW installer file
- Run the WLS config wizard to create a domain.
- Download MapViewer 12.2.1.1.0 ear file for WebLogic.
- Start WebLogic domain.
- Use WLS console to deploy the MapViewer 12.2.1.1.0 WLS specific ear.

Step 1: WebLogic Install

Go to OTN download page <u>http://www.oracle.com/technetwork/middleware/fusion-middleware/downloads/index.html</u> and get the Oracle WebLogic Server 12cR2 (12.2.1.1) generic or infrastructure installer.

Using Java jdk8 execute the installer and follow the wizard pages to complete installation. If generic installer is being used the command is:

java –jar fmw_12.2.1.1.0_wls.jar

The following are some of the wizard steps:



nstallation Type	
Welcome Auto Updates Installation Location Installation Type Prerequisite Checks Security Updates Installation Summary Installation Progress Installation Complete	WebLogic Server Goherence Complete with Examples Core Server Core Application Server 12.2.1.0 Core Application Server 12.2.1.0 WebLogic Client Jars 12.2.1.0 WebLogic Client Jars 12.2.1.0 WebLogic Client Jars 12.2.1.0 Cote Server Thirdparty JBC Drivers 12.2.1.0 WebLogic Evaluation Database 12.2.1.0 WebLogic Evaluation Database 12.2.1.0 WebLogic Foundation Middleware Mayer Support 12.2.1.0 Oracle Installation Infrastructure FWW Platform Ceneric 12.2.1.0 OParch 13.9.0.0

The last page of the wizard has a check box to automatically start the configuration wizard. Keep it checked, as the domain configuration is the next step.

Step 2: WLS configuration to create a domain

If configuration wizard does not start automatically from previous step, go to \$FMW_HOME_DIR/oracle_common/common/bin and execute:

./config.sh

First define the path location for the domain:

〕 🕥 Fusion Middleware G	Configuration Wiza	ard - Page 1 of 8				\odot	×
Configuration Type			FI				
Create Domain Templates Administrator Account Domain Mode and JDK Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	What do you want Create a <u>n</u> ew d Update an exis Domain Location: Create a new doma	t to do? domain sting domain : //scratchl/Oracle/FMW_12211 ain.	0/user_projec	ts/domains/bas	e_domain	Brows	e
Help			< <u>B</u> ack	<u>N</u> ext >	Einish	Cance	el 📄

On the template page, keep the defaults with just Basic WebLogic Server domain selected.

💽 💮 Fusion Middleware Co	onfiguration Wizard - Page 2 of 8	\odot	×
Templates			
Create Domain Templates Administrator Account Domain Mode and JDK Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	• Create Domain Using Product Templates: Template Categories: All Templates Available Templates WebLogic Advanced Web Services for JAX-RPC Extension - 12.2.1.1.0 [oracle_comm WebLogic Coherence Cluster Extension - 12.2.1.1.0 [wserver] WebLogic JAX-WS SOAP/JMS Extension - 12.2.1.1.0 [oracle_common] WebLogic JAX-WS SOAP/JMS Extension - 12.2.1.1.0 [oracle_common]	mon] non]	•
	Template location: //scratch/jpaiva/Oracle/FMW_122110	Brows	e
Help	< <u>Back</u> Next > Einish	Cance	el

Follow the wizard pages to complete the configuration. Accept the defaults in all pages, except on the page that requests the password.

After configuration is complete, the domain directory should be at: \$FMW_HOME_DIR/user_projects/domains/base_domain

and the ADMIN server URL will be something like: <u>http://hostname:7001/console</u>

Step 3: Download MapViewer 12.2.1.1.0 ear file

Go to MapViewer download page on OTN: <u>http://www.oracle.com/technetwork/middleware/MapViewer/downloads/index.html</u>

and download: <u>MapViewer Version 12.2.1.1 EAR for Oracle Weblogic 12.2.1.1</u> (ZIP - 49MB) -- Weblogic 12.2.1.1 specific EAR file

Step 4: Start WebLogic Domain

Go to domain folder and execute:

 $FMW_HOME_DIR/user_projects/domains/base_domain/startWebLogic.sh$

Step 5: Deploy MapViewer 12.2.1.1.0 WLS specific ear

Access WebLogic console url in browser:

http://hostname:7001/console

Go to the Deployments page and click Install button:

	ministration Console	12c									
Change Center	Home Log O	🟦 Home Log Out Preferences 🖾 Record Help									
View changes and restarts	Home >Summar	Home >Summary of Deployments									
Configuration editing is enabled. Future	Summary of Deployments										
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration	Control Monitoring	9								
Domain Structure base_domain B=Domain Partitions B=Environment B=ServicesSecurity Realms B=Theroperability B=Tbiagnostics	This page displays the list of Java EE applications and standalone application modules installed to this domain. You can update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using To install a new application or module for deployment to targets in this domain, click Install .										
	🗌 Name 🗞	Sta	ate	Health	Туре	Targets	Scope	Dom			
						There a	e no items to display				
How do I	Install Upd	late Delete									
 Install an enterprise application 											
 Configure an enterprise application 											

Navigate to the folder with the MapViewer ear and select it:

ORACLE WebLogic Server Administration Console 12c

Change Center	🟦 Home Log Out Preferences 🔤 Record Help
View changes and restarts	Home >Summary of Deployments
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Install Application Assistant Back Next Finish Cancel
Domain Structure	Locate deployment to install and prepare for c
base_domain Domain Partitions Environment Deployments Services Security Realms Interoperability Diagnostics	Select the file path that represents the application re Note: Only valid file paths are displayed below. If ye Path: /tm Recently Used Paths: (no Current Location: add
	Back Next Finish Cancel

Click Next.

On the current page, keep "Install this deployment as an application" checked and click Next.

Change the deployment name to 'MapViewer' and check "I will make the deployment accessible from the following location". See next figure. Click next to continue.

	inistration Console 12c							
Change Center	🔒 Home Log Out Preferences 🔤 Record Help							
View changes and restarts	Home >Summary of Deployments							
Configuration editing is enabled. Future	Install Application Assistant							
changes will automatically be activated as you modify, add or delete items in this domain.	Back Next Finish Cancel							
Domain Structure	Optional Settings							
base_domain	You can modify these settings or accept the defaults.							
-Environment	* Indicates required fields							
Deployments	- Constal							
Security Realms	Verified at the same this deduces all							
Interoperability	What do you want to name this deployment?							
⊡r Diagnostics	* Name: mapviewer							
	- Security							
	What security model do you want to use with this application?							
	D Only: Use only roles and policies that are defined in the deployment descriptors.							
How do 1	Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.							
 Start and stop a deployed enterprise application 								
Configure an enterprise application	Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.							
Create a deployment plan	Advanced: Use a custom model that you have configured on the realm's configuration page.							
 Target an enterprise application to a server instance 	- Source Accessibility							
Test the modules in an enterprise application	How should the source files be made accessible?							
	Use the defaults defined by the deployment's targets							
System Status								
Health of Running Servers as of 12:32 PM	Recommended selection.							
Failed (0)	Copy this application onto every target for me							
Overloaded (0)	During deployment, the files will be copied automatically to the Managed Servers to which the application is targeted.							
Warning (0) OK (1)	O I will make the deployment accessible from the following location							
	Location: /tmp/mv/mapviewer-12.2.1.1.0_wis.ear							

Keep clicking Next until there is a page to Finish the deployment. Once deployment is complete, go to Deployment page and MapViewer application should be up and running.

ORACLE: WebLogic Server Administration Console 12c												Q	
Change Center	Home Log Ou	t Preferences	Record	Help				Welcome, weblogic	Connected to: base_domai				
View changes and restarts	Home >Summary	ie >Summary of Deployments >mapricent >Summary of Deployments											
Configuration editing is enabled. Future	Summary of Deployments												
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration	Configuration Control Monitoring											
Domain Structure base_domain	This page displays the list of Java EE applications and standalone application modules installed to this domain.												
Environment Environment Services Security Realms	You can update (redeptoy) or detet installed applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page. To install a new application or module for deployment to targets in this domain, dick Install.												
Interoperability Diagnostics	Doploymonto												
	Install Upd	ate Delete									Showing 1	to 1 of 1 Previous Next	
	🗆 Name 🌣					State	Health	Туре	Targets	Scope	Domain Partitions	Deployment Order	
	🗆 🗄 📑 map	viewer				Active	🛩 ок	Enterprise Application	AdminServer	Global		100	
How do I	Install Upd	ate Delete									Showing 1	to 1 of 1 Previous Next	
 Install an enterprise application 													
Configure an enterprise application													
Undate (redeploy) an enterprise application													

To verify that MapViewer is running, access MapViewer url:

http://hostname:7001/MapViewer

and the login page should be displayed.

DRACLE MapViewer Administration Console 12c	
	User: Password:
	Log in

Enter the credentials, and click on Admin link to see the current data sources in configuration file.

	ORACLE MapViewer Administration Console 12c											Admin	Metadata	Configuration	About	Logout
																Signed in
	Data sources							Refresh	Purge cach	ie metadata						
L		Data sources														
	Geometry cache															
		Name	User	Туре	JDBC url	TNS name	Mappers	Maxmimum c	onnections	Editable	JDBC Theme I	based FOI a	llowed			
	Create tile layer	OracleMaps		CATALOG			8	0		false	false					
	Manage tile layers															

At this point MapViewer server is ready to use.