Configuring a Domain Using Templates

Objectives

After completing this lesson, you should be able to:

- Describe the internal process used to create or update a domain using a template
- Describe the process of extending a domain template
- Explain the domain templates provided for setting up JDeveloper, SOA, and WebCenter

Road Map

- Creating a custom domain template
- Supporting other environments



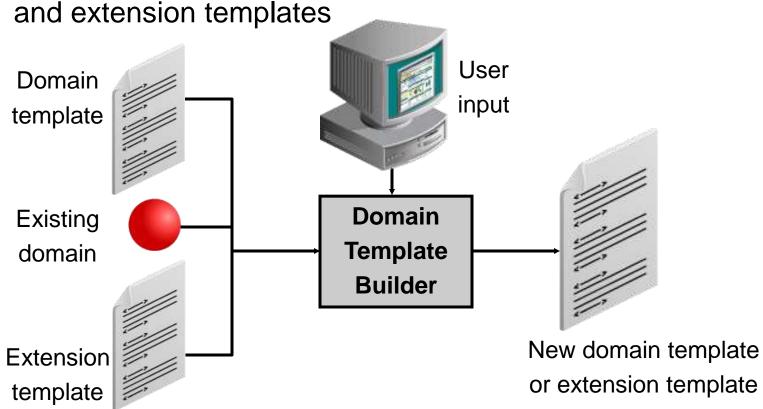
Custom Domain Templates

- A domain template defines the full set of resources within a domain.
- Oracle provides sample templates for creating any platform domain.
- There are three ways to create domain templates:
 - WLST offline command-line tool
 - pack command
 - Domain Template Builder
- You can use the Domain Template Builder to create a domain template or an Extension template.
- Using the Domain Template Builder, you can:
 - Define a domain and replicate it across multiple projects
 - Distribute a domain packed with an application that has been developed to run in it

Domain Template Builder

Available in GUI mode only and not console mode

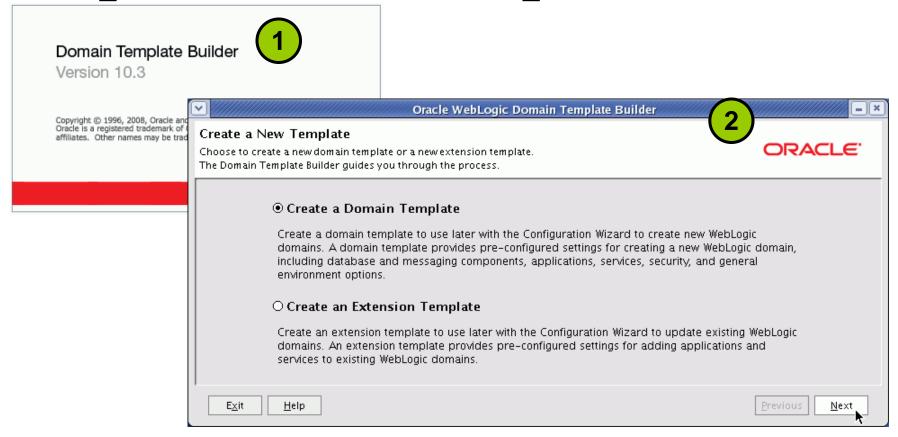
A stand-alone Java application to create custom domain



Creating a Domain Template

Start the Domain Template Builder:

<WL HOME>/common/bin/config builder.sh



Comparing Domain Templates

- The template that comes with WebLogic Server:
 - Located in
 <MW_HOME>/wlserver_10.3/common/templates/doma
 ins by default, or wherever you want to store it
- The template that was just created by Domain Template Builder
 - Located in <MW_HOME>/user_templates by default, or wherever you want to store it

wls.jar Template

	🍳 WinZip Pro - wls.jar		
_	Name	Path ▲	Size
Users, groups, ACLs	→ ☑fileRealm.properties		336
E NAC I	🔊 security.xml		2 , 846
For Windows	> 🔊 startmenu.xml		1,205
_	🔊 startscript.xml		61,759
Substitutions	stringsubs.xml		1 , 254
	🔊 template-info.xml		488
	readme.txt	autodeploy\	2,345
		bin\nodemanager\	29,533
	■wlsifconfig.cmd	bin\server_migration\	5,812
		bin\server_migration\	13,838
Shown below	∍ readme.txt	bin\service_migration\	1,621
Showin below	🔁 🗟 config.xml	config\	542
	∍ readme.txt	config\deployments\	248
	∍ readme.txt	config\diagnostics\	103
Discobolders	∍ readme.txt	config\jdbc\	135
Placeholders	≥ ⊫readme.txt	config\jms\	133
	∍ readme.txt	config\lib\	133
	readme.txt	config\security\	200
	readme.txt	config\startup\	162
	▶ readme.txt	console-ext\	76
	▶ readme.txt	lib\	708
	■ Manifest.mf	meta-inf∖	148
	Selected 0 files, 0 bytes	Total 22 files, 121KB	6

MedRecTemplate.jar Template

	■ WinZip Pro - MedRec		
	Name	Path -	Size
			336
	🔊 security.xml		2 , 976
	🔊 startmenu.xml		918
Calls setDomainEnv	🔊 startscript.xml		54,450
	🔊 stringsubs.xml		1,279
	🔊 template-info.xml		422
	jereadme.txt	autodeploy\	2,345
		bin\nodemanager\	29,533
	wlsifconfig.cmd	bin\server_migration\	5,812
		bin\server_migration\	13,838
	∍readme.txt	bin\service_migration\	1,621
	🔊 config.xml	config\	980
	∍readme.txt	config\deployments\	248
	∍readme.txt	config\diagnostics\	103
	∍readme.txt	config\jdbc\	135
	∍readme.txt	config\jms\	133
	∍readme.txt	config\lib\	133
	∍readme.txt	config\security\	200
	∍readme.txt	config\startup\	162
	∍readme.txt	console-ext\	76
	∍readme.txt	lib\	708
Missing Manifest.mf			
Wildowing Warmoot.iiii	Selected 0 files, 0 bytes	Total 21 files, 114KB	9 0 ,jj

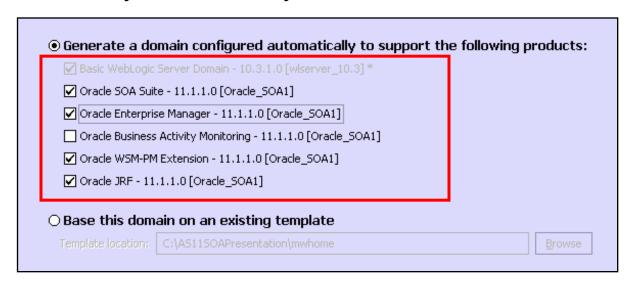
Road Map

- Creating a custom domain template
- Supporting other environments
 - JDeveloper
 - SOA
 - WebCenter

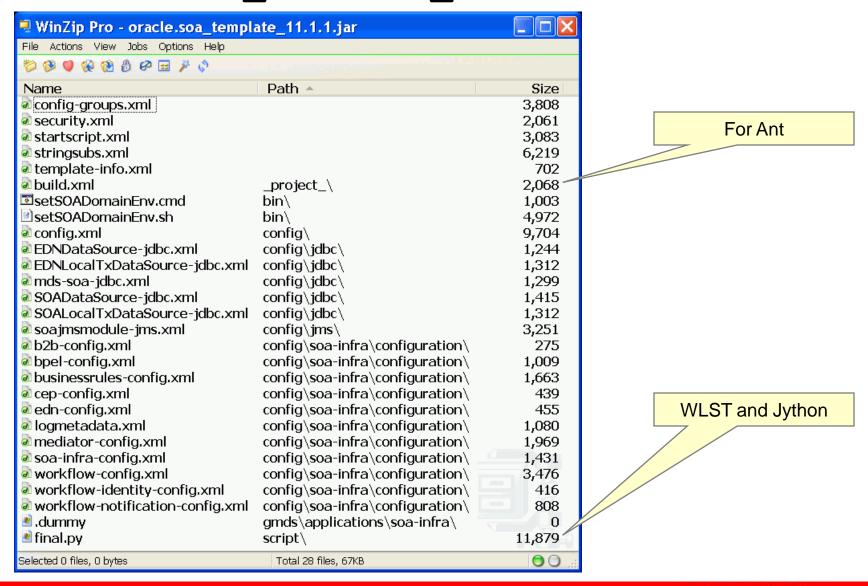


Templates for SOA, JDeveloper, and Others

- Templates are created by installing the other products.
- Templates for Oracle Middleware products are automatically detected by the domain wizards.



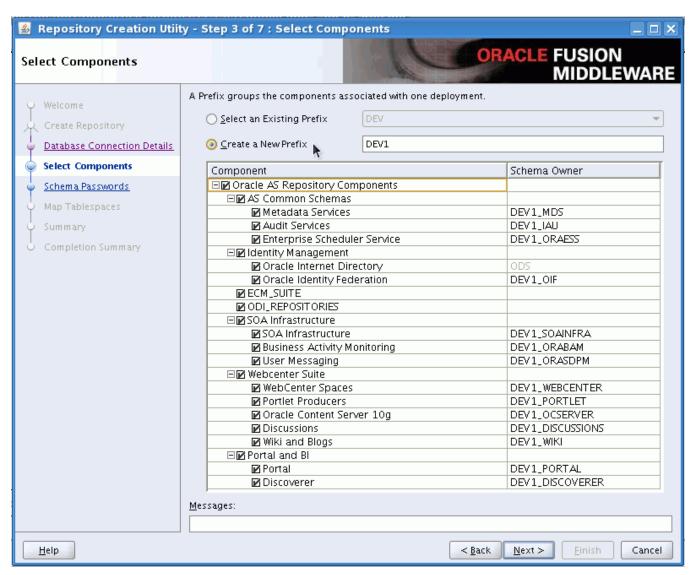
oracle.soa_template_11.1.1.jar Template



WLS Configuration in the Context of Other **Products in the Fusion Middleware Suite**

- Repository Creation Utility (RCU)
 - Requires the Database to be installed first
 - Is used for SOA
- WebTier
 - Can be installed independent of WLS in "opmn-managed" mode"
 - Can be installed after WLS with Java Required Files (JRF) enabled
 - Includes Oracle HTTP Server and Oracle Web Cache

Repository Creation Utility (RCU)



SOA Installation

- Before proceeding with the SOA installation:
 - Install the Database
 - Create DB schemas for the suites to install using RCU
 - Install and configure a WebLogic Server
- Perform the SOA installation.
- After the SOA installation, perform one or both of the following tasks:
 - Extend the existing WebLogic domain to support SOA functions.
 - Create a new WebLogic domain to support SOA functions.

Quiz

Invoke the Template Configuration Wizard using _____.

- 1. config.sh under <WL HOME>/common/bin
- 2. config_builder.sh under <WL_HOME>/common/bin

Quiz

When you create a new domain to automatically support Oracle WebLogic Server, which template is it based on by default?

- wlst.jar
- 2. ws.jar
- 3. web server.jar
- 4. server.jar
- 5. wls.jar

Quiz

Which of the following can you use to create a domain template:

- 1. The pack command
- 2. config temp.sh
- The Administration Console
- 4. config builder.sh
- 5. The WLST offline command-line tool

Summary

In this lesson, you should have learned how to:

- Create custom domain templates
- Create a new domain using the custom domain template for JDeveloper, SOA, and WebCenter

Practice 5 Overview: Using a Domain Template

This practice covers the following topics:

- Examining an existing template
- Extending an existing domain using an application template