### Standards & Terminology Services (STS)

### VETS Deployment Services Production Release

Set Up Guide



Version 2.0

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Department of Veterans Affairs Office of Information and Technology (OI&T) Office of Enterprise Development (OED)

## **Revision History**

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## Introduction

This manual describes the STS VETS Version 10 Set Up procedures. The procedures include:

- Build and Data Conversion
- STS Deployment
- Copying New Configuration and Help Files
- Starting and Stopping WebLogic Servers
- Creating STS Application User

## **PreInstallation**

STS VETS V10 uses an Oracle 11gR1 RAC database server.

WebLogic 10.3.2 and Java 6 Update 20 must be installed.

## **VETS V10 Build and Data Conversion Instructions**

This section describes the steps you need to perform to create the VETS V10 database schemas and copy the VETS V9 data into the VETS V10 schema. The VETS V9 and V10 schemas can coexist in the same database while the VETS V10 environment is validated and the VETS V9 environment can be archived.

These tables list the V9 schema names and their corresponding V10 schema names in the environments that the V10 data creates from a V9 schema.

PRODUCTION (HDRP06)					
V9 SCHEMA NAME	V10 SCHEMA NAME				
DS_V09	DS_V10				
NTRT_V09	NTRT_V09				
VHAT_V09	No longer used				
VTS_V09	VTS_V09				
VUID_V09	Moved into VTS_V09 schema				

SQA (ETSD07 on vhaislbll10)					
V9 SCHEMA NAMEV10 SCHEMA NAME					
DS_V09	DS_V10				

NTRT_V09	NTRT_V09
VHAT_V09	No longer used
VTS_V09	VTS_V09
VUID_V09	Moved into VTS_V09 schema

Integration (STSI01 on vhaislbll26)					
V8 SCHEMA NAME	V10 SCHEMA NAME				
DS_V09	DS_V10				
NTRT_V09	NTRT_V09				
VHAT_V09	No longer used				
VTS_V09	VTS_V09				
VUID_V09	Moved into VTS_V09 schema				

#### Create VETS V10 Schemas Instructions

Follow the steps below to create the V10 schemas:

- 1. These steps are executed from a PC or UNIX server that has Oracle client installed and tnsnames.ora connection information to the database for the new VETS V10 schema.
- $2. \ \ Execute \ the \ Oracle \ SQL \ script. \ build_v10\_release number\_full\_database name.sql$ 
  - The releasenumber is the latest database build number for V10.
  - The databasename is the name of the database that the build will be created on.
  - The build\_v10\_releasenumber\_full\_databasename.sql file calls other SQL files to build the environment.
  - All parameters needed to create the objects are specified in the build\_v10\_releasenumber\_full\_databasename.sql file.
- 3. Review the script file before the script is executed to ensure that all of the information is correct.
  - All SQL files used in this step are stored in Perforce.
  - The objects that are created by this script can be viewed via this HTML data model contained in the zip file VETS\_001009.zip.

Follow the step below to create the VETS V10 data model on a PC:

- Unload the zip files into a directory on your computer.
   <FILE://\vhaisImul1\Projects\ETS (STS)\VETS\Version 10\Toad Data Modeler\Reports\HTML\VETS\_10.zip>
- 2. Open the file DS\_NTRT\_VTS\_V10.html in a browser window to view the data model.

Copy VETS V9 Data into the VETS V10 Schemas Instructions

The conversion process below was designed so that the V9 and the V10 data reside in the same database. Follow the steps below to copy V9 data in to the V10 schemas:

1. Copy the following files into the data\_pump\_dir directory on the database server: changegroup seg create.sgl checksumrequest\_seq\_create.sql codesystem\_seq\_create.sql onceptstate\_seq\_create.sql concept\_seq\_create.sql copy\_v9\_to\_v10\_database.sh copy\_v9\_v10\_ds.sql copy\_v9\_v10\_ds\_stsi01.sql (only for database stsi01 & stsi02) copy\_v9\_v10\_ntrt.sql copy\_v9\_v10\_vts.sql copy\_v9\_v10\_vuid.sql deploymentconcept\_seq\_create.sql deploymenthistory\_seq\_create.sql deployment seg create.sgl drop\_v10\_objs.sql grant\_select\_any\_table.sql property\_seq\_create.sql regionchecksum\_seq\_create.sql relationship seg create.sgl request\_delete\_rows.sql revoke\_select\_any\_table.sql sitedatarequest\_seq\_create.sql sitedata\_seq\_create.sql state\_seq\_create.sql type\_seq\_create.sql v10 gather stats 001002.sql

version\_seq\_create.sql vhat\_v10\_cleanup.sql request\_subset\_update.sql

- 2. The following files need to be edited to update the variables with the correct values: copy\_v9\_to\_v10\_database.sh
- Execute the shell script copy\_v9\_to\_v10\_database.sh on the database server to copy the data using this command: copy\_v9\_to\_v10\_database.sh 1>copy\_v9\_to\_v10\_database.log 2>&1

This script can be executed against an empty V10 schema, or when data is in the V10 schema and data needs to be reloaded. The main tasks that this script performs are:

- Copies data directly from V9 tables into V10 tables using Insert/Select statements for tables that do not contain LONG RAW data.
- The data in the ds\_v10 and vts\_v10 schemas are truncated.
- Export/Import V9 NTRT table into a V10 NTRT table because table contains LONG RAW data
- Sets all sequences to correct values
- Sets all object permissions
- Moves indexes to correct tablespace
- Gathers schema statistics for all V10 schema

All files used in this step are stored in Perforce.

## **STS VETS Deployment Process**

The STS VETS Deployment Process consists of installing a VETS V10 domain and configuring the scripts.

#### Prerequisites

All software packages are installed into the base directory /u01/app. A different directory can be used as the base directory. If you use a different directory you need to replace any references to the base directories in this document to the directory you are using.

All installation commands should run under the WebLogic UNIX system ID. Before installation, run the following command on the target server to make sure it is running Linux on x86\_64 hardware. See the following sample output:

uname -a

Linux vhaislbll25.vha.med.va.gov 2.6.18-194.3.1.el5 #1 SMP Sun May 2 04:17:42 EDT 2010 x86\_64 x86\_64 x86\_64 GNU/Linux

• Verify /etc/hosts file

Run the following command to make sure there is a separate line in /etc/hosts that resolves both short hostname and fully qualified domain name to the host IP address.

cat /etc/hosts | grep `hostname`

REDACTED REDACTED

• Install Java 6 Update 20

Download the Java installer file jdk-6u20-linux-x64.bin from the Java web site.

Copy the file into the application base directory and make it executable.

Run the following:

./jdk-6u20-linux-x64.bin

Press the Enter button to progress through the License Agreement pages.

At the prompt Do you agree to the above license terms? [yes or no], select Yes.

Press the Enter button to continue.

Java is installed into the /u01/app/jdk1.6.0\_20 directory. The original installer file can be deleted at this point.

Run the following command to create a symbolic link to the actual java location.

In -s jdk1.6.0\_20 jdk1.6

• Install WebLogic version 10.3.2

Download the WebLogic installer file wls1032\_generic.jar from the Oracle web site.

Copy the file into the application base directory.

In the same base directory, create a file named wls1032.xml with the content shown in Appendix A.

Run the following command:

/u01/app/jdk1.6/bin/java -jar wls1032\_generic.jar \

-mode=silent-silent\_xml=wls1032.xml

The command takes a few minute to run.

When the command is finished WebLogic is installed into /u01/app/wls1032 and the WebLogic home directory is /u01/app/wls1032/wls.

The WebLogic installer file can be deleted to free up disk space.

The following directories are defined for reference throughout this document:

AppDir=/u01/app

JavaHome=/u01/app/jdk1.6

BeaHome=/u01/app/wls1032

WIsHome=/u01/app/wIs1032/wIs

Create a Basic Web Logic Domain

As WebLogic user ID, set up CLASSPATH by following command:

CLASSPATH=/u01/app/wls1032/utils/config/10.3/config-launch.jar

CLASSPATH=\$CLASSPATH:/u01/app/wls1032/wls/server/lib/weblogic.jar

CLASSPATH=\$CLASSPATH:/u01/app/wls1032/modules/features/weblogic.server.modul es\_10.3.2.0.jar

export CLASSPATH

Create a Python command file named basedomain.py (<u>Appendix B</u>) in the application base directory with the following commands.

Note: Substitute with appropriate base directory values wherever needed.

Create a WebLogic domain by running the following command. If it is successful, a new domain directory should be found in /u01/app/domains, e.g. v10.Prod.

/u01/app/jdk1.6/bin/java weblogic.WLST basedomain.py

Start the new WebLogic domain with following commands:

cd /u01/app/domains/v10.Prod

nohup /u01/app/domains/v10.Prod/bin/startWebLogic.sh &

tail -f nohup.out

The command will take a few minutes to run.

Note: Your Username and Password are created when you run the command.

Log in to the WebLogic Administration Console using the Administration Username and Password created in the basedomain.py script.

Create Web Logic Managed Servers

To create the WebLogic managed servers:

1. Log in to the WebLogic Administration Console. Enter Username WebLogic and Password admin123.

Following is a list of the managed servers you want to create:

Name	Listen Port
deployment	7201
ntrt	7202
vuid	7203
browser	7204
ted	7208

- 2. In the **Domain Structure** box, expand **Environment**.
- 3. Click and open Servers.
- 4. In the Summary of Servers box, click the Configuration tab.

ORACLE WebLogic Server® A	dministratio	on Con	sole							-
Change Center	Home	Log Out	Preferenc	ces 🔤 Record H	lelp	٩	W	elcome, Weblog	jic Connected to: v1	.0.Prod
View changes and restarts	Home >Summary of Servers									
Configuration editing is enabled. Future	Summary of Servers									
changes will automatically be activated as you modify, add or delete items in this domain.	Configura	ation	Control							
Domain Structure										
v10.Prod	A server	is an ins	tance of W	/ebLogic Server th	at runs in its own :	Java Virtual Machin	e (JVM) and has its	own configuration	n.	
Ervironment	This page	e summai	rizes each :	server that has be	en configured in t	he current WebLog	ic Server domain.			
Clusters	52									
Migratable Targets										- 11
····Machines	Custon	nize thi	s table							
Work Managers	Servers	s (Filter	ed - More	e Columns Exist						
Deployments	New	Clone	Delete					Chausing 1 to	1 of 1. Drovieve   No.	
Services	NOW	CIONO	Delete					Showing 1 to	TOT Previous (Ne)	
Security Realms     Theroperability		Name 4	\$		Cluster	Machine	State	Health	Listen Port	
Diagnostics										
How do I		admin.v1	.0.Prod(adr	min)			RUNNING	≪ок	7200	
Create Managed Servers	New	Clone	Delete					Showing 1 to	1 of 1 Previous   Nex	xt
Delete Managed Servers										- 11
Delete the Administration Server										
Start and stop servers										
System Status										
Health of Running Servers										
Failed (0)										
Critical (0)										
Overloaded (0)										
Warning (0)										
OK (1)										
WebLogic Server Version: 10.3.2.0			_							
Copyright © 1996,2009, Oracle and/or its affiliates. All r Oracle is a registered trademark of Oracle Corporation	ights reserved. and/or its affilia		er names ma	ay be trademarks of	their respective ow					
Done								Sucal intrane	et 🔍 10	10% <del>+</del>

- 5. Click the **New** button at the bottom of the **Configuration** box.
- 6. In the **Create a New Server** box, complete the required fields (\* Indicates required fields) with the information for the first managed server you want to create.

This example uses the first server listed under step 1, above.

ORACLE WebLogic Server®	Administration Console			<u>^</u>
Change Center	🔒 Home Log Out Preferences 🔤 Record H	elp 🔍	Welcome, Weblogic Connected to	o: v10.Prod
View changes and restarts	Home >Summary of Servers			
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Server Back Next Finish Cancel			
Domain Structure	Server Properties			
v10.Prod ▲ ⊡Environment □ Servers □ Clusters	The following properties will be used to identify * Indicates required fields	v your new server.		
Virtual Hosts Migratable Targets Machines Work Managers	What would you like to name your new server?	Server-0		
Startup & Shutdown Classes Deployments B-Services	Where will this server listen for incoming connec	tions?		
Security Realms Interoperability Diagnostics	Server Listen Address:			
How do I	* Server Listen Port:	7001		
Create Managed Servers	Should this server belong to a cluster?			
Configure default network connections	No, this is a stand-alone server.			
System Status				
Health of Running Servers	O Yes, create a new cluster for this ser	ver.		
Failed (0)	Back Next Finish Cancel			
Overloaded (0)				
Warning (0)				
OK (1)				
WebLogic Server Version: 10.3.2.0	1			
Oracle is a registered trademark of Oracle Corporatio	n and/or its affiliates. Other names may be trademarks of	their respective owners.		
				*
			S Local intranet	🗄 100% 🔻

7. Complete the Server Listen Address field.

The Server Listen Address is the IP address of the WebLogic host server.

- 8. Leave the No, this is a stand-alone server. option selected.
- 9. Click the **Finish** button.

ORACLE WebLogic Server	<sup>®</sup> Administra	ation Console					
Change Center	Hom	e Log Out Preferences	Necord Help		Q	Welcome, Web	logic Connected to: v10.
View changes and restarts	Home >	Summary of Servers					
Configuration adition is apphlad. Future	Message	25					
changes will automatically be activated as you	🖋 All c	changes have been activat	ted. No restarts are	necessary.			
modify, add or delete items in this domain.	0.00	- ruor croated auccosofully					
Domain Structure		iver created successfully.					
v10 Prod	Summar	ry of Servers					
-Environment	Config	uration Control					
<u>Servers</u>							
Clusters							
Virtual Hosts	A serv	ver is an instance of WebLo	ogic Server that run	s in its own Java Virtu	al Machine (JVM) and h	as its own configura	ation.
Migratable Targets	This n	age summarizes each serv	er that has been co	nfigured in the currer	t Webl ogic Server dom	ain	
Machines				ingereen ere een er			
	(7)						
Deployments	NE						
E-Services	Cust	omize this table					
Security Realms	/ Cust	omize uns table					
Interoperability	Serve	ers (Filtered - More Co	lumns Exist)				
Diagnostics	Nev	V Clone Delete				Showing :	te 2 of 2. Drovieus   Novt
How do I	ם 💻	Cione Delete				Showing .	102012 Plevious INext
Create Managed Servers		Name 🐟	Clus	ter Machin	e State	Health	Listen Port
<ul> <li>Delete Managed Servers</li> </ul>		admin v 10 Prod(admin)			RUNNING	al ox	7200
Delete the Administration Server		dammit zon rod(dammi)				V OIK	7200
<ul> <li>Start and stop servers</li> </ul>		v10.deployment			SHUTDOWN		7201
Suctom Statuc	Nev	v Clone Delete				Showing :	1 to 2 of 2 Previous   Next
Health of Running Servers							
Eailed (0)	1						
Cottical (0)	1						
Critical (0)	1						
Overloaded (0)	1						
Warning (0)							
OK (1)	1						
WebLogic Server Version: 10.3.2.0							
WebLogic Server Version: 10.3.2.0 Copyright © 1996,2009, Oracle and/or its affiliates.	. All rights reserve	ed. Filiator, Othor namor <del>and h</del> e	tradomarks of their	ocnoctivo ovvoor			

10. In the Servers box, click the name (link) of the newly created server.

11. In the Machine pull down menu, choose the machine name where this server should reside.

0.Prod	Health Monitoring Serv	ver Start	
Servers Clusters	Save		
Virtual Hosts Migratable Targets Machines	Use this page to configu	re general features of this server such as d	efault network communications.
Startup & Shutdown Classes	Name:	v 10. deployment	An alphanumeric name for this server instance. More Info
-Interoperability	🏀 Machine:	(None)	The WebLogic Server host computer (machine) on which this server is meant to run. More Info
or do I	街 Cluster:	vhaisIbII25.vha.med.va.gov	The cluster, or group of WebLogic Server instances, to which this server belongs. More Info
Configure default network connections Create and configure machines	🥌 Listen Address:		The IP address or DNS name this server uses to listen for incoming connections. More Info
Start and stop servers	🔽 Listen Port Enable	ed .	Specifies whether this server can be reached through the default plain-text (non-SSL) listen port. More Info
/stem Status	Listen Port:	7201	The default TCP port that this server uses to listen for regular (non-SSL) incoming connections. More Info
Failed (0)	🔲 SSL Listen Port En	abled	Indicates whether the server can be reached through the default SSL listen port. More Info
Overloaded (0) Warning (0)	SSL Listen Port:	7002	The TCP/IP port at which this server listens for SSL connection requests. <b>More Info</b>
OK (1)	🗖 🐠 Client Cert Pro	oxy Enabled	Specifies whether the HttpClusterServlet proxies the client certificate in a special header. More Info
	Java Compiler:	javac	The Java compiler to use for all applications hosted on this server that need to compile Java code. More Info
	- 🕨 Advanced		
	Save		

12. Click the **Save** button.

- 13. Click the Server Start tab.
- 14. Complete the following fields with the correct information.

Java Home: /u01/app/jdk1.6

Java Vendor: Sun

BEA Home: /u01/app/wls1032

Root Directory: /u01/app/domains/v10.prod

#### **Classpath:**

/u01/app/domains/v10.prod/lib/antlr-

2.7.6.jar:/u01/app/wls1032/wls/server/lib/weblogic.jar:/u01/app/domains/v10.prod/sts. config

#### **Arguments:**

-Xms2048m -Xmx2048m -XX:PermSize=128m -XX:MaxPermSize=384m -server -Xverify:none -Dcds.jndi.provider.url=t3://10.5.20.180:7201

#### User Name: WebLogic

Passwords: admin123

#### Confirmed Passwords: admin123

Hourde T	🏀 Java Vendor:	Sun	The Java Vendor value to use when starting this server For example, BEA, Sun, HP etc More Info
Configure startup arguments for Managed Servers	🏀 BEA Home:	/u01/app/wls1032	The BEA home directory (path on the machine running Node Manager) to use when starting this server. More Info
Start Manageo Servers from the Administration Console Shut down a server instance System Status	修 Root Directory:	/u01/app/domains/v10.prod	The directory that this server uses as its root directory. This directory must be on the computer that hosts the Node Manager. If you do not specify a Root Directory value, the domain directory is
Health of Running Servers Failed (0) Critical (0) Overloaded (0) Warning (0) Critical (0)	<pre> 4 Class Path: /u01/app/dom 2.7.6.jar:/u app/domains; </pre>	mains/v10.prod/lib/antlr- 101/app/wls1032/wls/server/lib/weblogic.jar:/u01/ /v10.prod/sts.config	The classpath (path on the machine running Node Manager) to use when starting this server. More Info
	Arguments:         -Xms2048m         server         Dcds.jndi.pr	Kmx2048m -XX:PermSize=128m -XX:MaxPermSize=384m - rify:none - rovider.url=t3://10.5.20.213:7201	The arguments to use when starting this server. More Info
	他 Security Policy File:		The security policy file (directory and filename on the machine running Node Manager) to use when starting this server. More Info
	街 User Name:	Weblogic	The user name to use when booting this server. More Info
	🏀 Password:	•••••	The password of the username used to boot the server and perform server health monitoring. More Info
	i∰ Confirm Password:	•••••	
	Save		1000v

- 15. Click the **Save** button.
- 16. Repeat the above steps to create the other managed servers.

#### Create JDBC Data Sources

Follow the steps below to create JDBC data sources:

1. Log in to the WebLogic Administration Console. Enter Username WebLogic and Password admin123.

Following is a list of the data sources you want to create:

Name	JNDI Name	Targets
Deployment	jdbc/gov.va.med.term.deployment	deployment
NTRT	jdbc/gov.va.med.term.ntrt	ntrt
VETS	jdbc/gov.va.med.term.services	browser, ntrt,
		ted, vuid

- 2. In the **Domain Structure** box, expand **Services**.
- 3. Expand **JDBC**.
- 4. Click and open **Data Sources**.

	Administration Console		
Change Center	🔒 Home Log Out Preferences 🔤 Record He	lp 🔍	Welcome, Weblogic Connected to: v10.Proc
View changes and restarts	Home >Summary of JDBC Data Sources		
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure v10.Prod	Summary of JDBC Data Sources A JDBC data source is an object bound to the JJ can look up a data source on the JNDI tree and This page summarizes the JDBC data source obj	NDI tree that provides database connectivity throu then borrow a database connection from a data so lects that have been created in this domain.	gh a pool of JDBC connections. Applications urce.
Br-Environment ⊡Deployments ⊡Services Br-Messaging □-DBat Sourced	Customize this table Data Sources(Filtered - More Columns Exi	ist)	
Multi Data Sources	New Delete		Showing 0 to 0 of 0 Previous   Next
Data Source Factories	🗖 Name 🗞	JNDI Name	Targets
Work Contexts		There are no items to display	
XML Registries	New Delete		Showing 0 to 0 of 0 Previous   Next
How do I 📼 • Create JDBC data sources • Delete JDBC data sources			
System Status			
Health of Running Servers			
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (1)			
WebLogic Server Version: 10.3.2.0 Copyright © 1996,2009, Oracle and/or its affiliates. A Oracle is a registered trademark of Oracle Corporatic	II rights reserved. on and/or its affiliates. Other names may be trademarks of th	neir respective owners.	
			Succal intranet

5. In the Summary of JDBC Data Sources box, click the New button.

6. Complete the Name and JNDI Name fields.

This example uses the first data source under step 1, above.

View changes and restarts       Home >Summary of JDBC Data Sources         Configure with a low bed, Future changes with a low brank cally be extrement as you modify, add or delete items in this domain.       Freate a New JDBC Data Source         Domain Structure       DBC Data Source Properties         The Probyments       The following properties will be used to identify your new JDBC data source.         Provide Provide Sources       Indicates required fields         What would you like to name your new JDBC Data Source?       Indicates required fields         Provide Provide Sources       What What JNDI name would you like to assign to your new JDBC Data Source?         Provide Throwiders       What JNDI name would you like to set you ment         Provide Throwiders       What JNDI name would you like to set you ment         What JNDI name would you like to set you ment       Indicates required fields         What JNDI name would you like to set you ment       Indicates required fields         What JNDI name would you like to set you ment       Indicates required fields         What JNDI name would you like to set you ment       Indicates required fields         What JDE of gorv . v a. med . term . deployment       Indicates required fields         What database type would you like to set you ment       Indicates required fields         System Status       Indicates required fields       Indit threwould you like to set you the you the you the t	Change Center	Anne Log Out Preferences Record Help     Welcome, WebLogic Connected to: v10.Pr
Configuration editing is enabled. Future changes will automatically be activated as you main structure 10.Prod Environment Dopployments Deployments Deployments Deployments Deployments Deployments Deployments Deployments Deployments Deployments Data Sources Multiplate Sources Persistent Stores Persistent Stores Persistent Stores Create JRC data sources Create JRC data source Create JRC data sources Create JRC data sources Create JRC data source Create JRC data source	View changes and restarts	Home >Summary of JDBC Data Sources
Domain Structure         10.Prod	Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JDBC Data Source           Back   Next   Finish   Cancel
10. Prod         9 Environment         • Conforment         • Deployments         • Services         • Messaging         • Data Sources         • Multiplication         • Multiplication         • Protein         • Data Sources         • Multiplication         • Multiplicatio	Domain Structure	
B*-Messaging   B*-DBC   -Data Sources   -Mill Data Sources   -Data Sources   -Wait NoI rewiders   -Work Contexts   -Work Contexts   -With Contexts   -With Contexts   -With Contexts   -Work Contexts   -Wait Intit/ Caches   What database driver would you like to use to create database	10.Prod  Environment Deployments Services	The following properties will be used to identify your new JDBC data source. * Indicates required fields
Database       Oracle         Persistent Stores       Porcign JBD Providers         Work Contexts       Image: Context and C	B-Messaging E-DBC Data Sources Multi Data Sources	What would you like to name your new JDBC data source?
Image: Status       Image: Status         icorate JDBC data sources       Image: Status         icorate LR-enabled IDBC data sources       Image: Status         Image: Status       Image: Status         icorate LR-enabled IDBC data sources       Image: Status         Image: Status       Image: Status <t< td=""><td>Foreign JNDI ProvidersWork Contexts</td><td>What JNDI name would you like to assign to your new JDBC Data Source?</td></t<>	Foreign JNDI ProvidersWork Contexts	What JNDI name would you like to assign to your new JDBC Data Source?
tow do L       Image: Constant DBC data sources            • Create LIR-enabled DBC data sources        What database type would you like to select?          System Status        Image: Constant DBC data sources          System Status        Image: Constant DBC data sources          Failed (0)        Ortical (0)          Critical (0)        Image: Constant DBC data sources          Image: Constant DBC data sources        Image: Constant DBC data sources          Image: Constant DBC data sources        Image: Constant DBC data sources          Image: Constant DBC data sources        Image: Constant DBC data sources          Image: Constant DBC data sources        Image: Constant DBC data sources          Image: Constant DBC data sources        Image: Constant DBC data sources          Image: Constant DBC data sources        Image: Constant DBC data sources          Image: Constant DBC data sources        Image: Constant DBC data sources          Image: Constant DBC data sources        Image: Constant DBC data sources          Image: Constant DBC data sources        Image: Constant DBC data sources          Image: Constant DBC data sources        Image: Constant DBC data sources          Image: Constant DBC data sources        Image:	TXML Registries	jdbc/gov.va.med.term.deployment
System Status       What database type would you like to select?         Health of Running Servers       Database         Failed (0)       Oracle         Critical (0)       Overloaded (0)         What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle         What database       Oracle's Driver (Thin) for RAC Service-Instance connections; Versions:10,11         Back Next       Finish	tow do I • Create JDBC data sources • Create LLR-enabled JDBC data sources	
Database     Oracle       Failed (0)     Verbaded (0)       Overbaded (0)     Warning (0)       OK (1)     Oracle's Driver (Thin) for RAC Service-Instance connections; Versions:10,11	System Status	What database type would you like to select?
Critical (0)     What database driver would you like to use to create database connections? Note: "indicates that the driver is explicitly supported by Oracle     WebLogic Server.     Database     Overloaded (0)     Database     Oracle's Driver (Thin) for RAC Service-Instance connections; Versions:10,11     Oracle	realth of Running Servers	Database Oracle Type:
Warning (0) OK (1) Database Driver OK (1) Database Driver OK (1) Database Driver Driver Driver Driver Cancel Driver Drive	Critical (0) Overloaded (0)	What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLogic Server.
Back Next Finish Cancel	Warning (0) OK (1)	Database Driver: *Oracle's Driver (Thin) for RAC Service-Instance connections; Versions:10,11
		Back Next Finish Cancel
WebLogic Server Version: 10.3.2.0 Copyright 5) 1956:2009, Oracle and/or its affiliates. All rights reserved.	WebLogic Server Version: 10.3.2.0 Convrint (8: 1995-2009, Oracle and/or its affiliates: All	nihita reserved.

- 7. Click the **Next** button.
- 8. Click the **Next** button on the following page.
- 9. Complete the **Connections Properties** page.

ORACLE WebLogic Server®	Administration Console		<u>.</u>
Change Center	🙆 Home Log Out Preferences 🔤 Record	Help	Welcome, Weblogic Connected to: v10.Prod
View changes and restarts	Home >Summary of JDBC Data Sources		
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JDBC Data Source Back Next Finish Cancel		
Domain Structure	Connection Properties		
v10.Prod	Define Connection Properties		
Er-Environment Deployments Er-Services	What is the name of the database you would	ike to connect to?	
⊡Messaging ⊟JDBC	Database Name:		
Data Sources Multi Data Sources Data Source Factories	What is the name or IP address of the databa	se server?	
Persistent Stores Foreign JNDI Providers	Host Name:		
XML Registries	What is the port on the database server used	to connect to the database?	
How do I	Port:	1521	
Create JDBC data sources	What database account user name do you wa	nt to use to create database connections?	
Create LLR-enabled JDBC data sources	Database User Name:		
System Status		- t	
Health of Running Servers	what is the database account password to us	e to create database connections?	
Failed (0)	Password:		
Critical (0)			
Overloaded (0)	Confirm Password:		
Warning (0)	Bask Next Cartes Connect		
OK (1)	Dack Next Filish Cancer		
WebLogic Server Version: 10.3.2.0 Copyright © 1996,2009, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. and/or its affiliates. Other names may be trademarks	of their respective owners.	
Done			Nocal intranet

- 10. Click the Next button.
- 11. In the Select Targets box, select the Server where this data source will be deployed.
- 12. Click the **Finish** button.
- 13. Repeat these steps to create the other data sources.

Load file s into Web Logic Domain Directories

1. Run the following commands to create several new directories under the domain directory.

cd /u01/app/domains/v10.prod

mkdir apps checksum sts.config sts.log

2. Copy the files listed in each of the following directories, from the build .WAR files and source repository.

**Note**: For any update to application.properties or terminologyconfig.xml, sts.deployment should be restarted.

apps/ntrt.war

apps/sts.browser.war

apps/sts.deployment.war

apps/sts.ted.war

apps/vuid.war

lib/antlr-2.7.6.jar

lib/log4j-1.2.14.jar

lib/loglayout.jar

sts.config/application.properties

sts.config/BrowserConfig.xml

sts.config/browserhelp.html

sts.config/browserIntro.html

sts.config/deploymenthelp.html

sts.config/log4j.properties

sts.config/ntrtdeployhistory.html

sts.config/tedhelp.html

sts.config/TerminologyConfig.xml

3. Edit the application.properties file. Ensure all variables are appropriate for the target environment, particularly the following variables.

application.server.name=PROD V10

listenerPort = 49990

msh.sendingFacility.namespaceId=660VM1

gov.va.med.term.access.maint.messaging.hl7.factory.BusinessWareMessageDispatcher/ url=http://vhaislviev1:8080/fwclient2/Framework2ServletHTTPtoChannel

#### Create Server Start/Stop and Application Deployment Scripts

- For each managed server create start, stop, and bounce scripts in /u01/app/domains/v10.prod/bin directory.
   Examples of the scripts are shown in <u>Appendix C</u>. For a different server, make sure all variables are changed accordingly.
- 2. Create a master deploy script in the same domain bin directory. See <u>Appendix C</u>.
- 3. Run chmod u+x ... on all above scripts to make sure that they are executable.
- 4. Run the following commands to store user credentials referenced from the above scripts.

cd /u01/app/domains/v10.prod/bin mkdir .security export CLASSPATH=\$CLASSPATH:/u01/app/wls1032/wls/server/lib/weblogic.jar echo y | /u01/app/jdk1.6/bin/java -Duser.home=.security \ weblogic.Admin STOREUSERCONFIG -username WebLogic -password admin123 chmod 700 .security chmod 400 .security/\*

#### Creating STS Application Users

To create STS Application Users:

1. Log in to the WebLogic Administration Console. Enter Username WebLogic and Password admin123.

Following is the group and user you want to create.

Group: DSAdmin

User: sts.admin

- 2. In the **Domain Structure** box, click **Security Realms**.
- 3. In the **Summary of Security Realms** box, click **myrealm**.

	Server® /	Administration Console
Change Center		🏦 Home Log Out Preferences 🔤 Record Help 🛛 🔍 Welcome, Weblogic Connected to: v10.Pro
View changes and restarts		Home >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms
Configuration editing is enabled. Future changes will automatically be activated modify, add or delete items in this dom	e l as you lain.	Summary of Security Realms
Domain Structure v10.Prod H-Environment -Deployments H-Security Realms M-Interoperability		A security realm is a container for the mechanisms-including users, groups, security roles, security policies, and security providersthat are used to protect WebLogic resources. You can have multiple security realms in a WebLogic Server domain, but only one can be set as the default (active) realm. This Security Realms page lists each security realm that has been configured in this WebLogic Server domain. Click the name of the realm to explore and configure that realm. We Customize this table
l±I-Diagnostics		Realms(Filtered - More Columns Evist)
		New Delete Showing 1 to 1 of 1 Previous   Next
		🗖 Name 🔅 Default Realm
		🗇 myrealm true
How do I		New Delete Showing 1 to 1 of 1 Previous Next
Configure new security realms		
Delete security realms		
Change the default security realm		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
OK (1)		
WebLogic Server Version: 10.3.2.0 Copyright © 1996.2009. Oracle and/or its Oracle is a registered trademark of Oracle	s affiliates. All e Corporation	ights reserved. and/or its affiliates. Other names may be trademarks of their respective owners.
ttp://vhaislbll25:7200/console/console.p	portal?_nfpb=	=true&_pageLabel=SecurityRealmRealmTablePage 🔍 100%

### 4. Click the Users and Groups tab.

### 5. Click the **Groups** tab.

ange Center	1	🔒 Hom	e Log Out Preferences [	Necord Help	٩	v	elcome, Weblogic	Connected to: v10.Pr		
ew changes and restarts	17	Home >Summary of Security Realms >myrealm >Summary of Security Realms >myrealms								
nfiguration editing is enabled. Future anges will automatically be activated as you	s	etting	ttings for myrealm							
odiry, add or delete items in this domain.		Configu	ration Users and Gro	ups Roles and Policies	Credential Mappings	Providers Mi	gration			
omain Structure	16	Licere	Groups	11						
).Prod "Environment "Deployments "Services "Security Realms "Interoperability "Interoperability		This p	age displays information at	pout each group that has	been configured in this s	ecurity realm.				
Diagnostics		Group	s							
		New	Delete				Showing 1 to 8	of 8 Previous   Next		
			Name 🚕	Description				Provider		
			AdminChannelUsers	AdminChannelUsers can	access the admin channe	el.		DefaultAuthenticator		
ow do I E			Administrators	Administrators can view	and modify all resource a	attributes and star	t and stop servers.	DefaultAuthenticator		
Manage users and groups Create groups			AppTesters	AppTesters group.				DefaultAuthenticator		
Modify groups			CrossDomainConnectors	CrossDomainConnectors	can make inter-domain o	calls from foreign o	lomains.	DefaultAuthenticator		
Delete groups			Deployers	Deployers can view all re	esource attributes and de	eploy applications.		DefaultAuthenticator		
rstem Status			Monitors	Monitors can view and m restricted by roles.	nodify all resource attribu	ites and perform o	perations not	DefaultAuthenticator		
Failed (0)			Operators	Operators can view and operations.	modify all resource attrib	outes and perform	server lifecycle	DefaultAuthenticator		
Critical (0)			OracleSystemGroup	Oracle application softw	are system group.			DefaultAuthenticator		
Overloaded (0) Warning (0) OK (1)		New	Delete				Showing 1 to 8	of 8 Previous   Next		
0.7(1)	] _									
(ebLogic Server Version: 10.3.2.0	All right	s reserve	sd.							

- 6. Click the New button.
- 7. Complete the **Name** and **Description** fields.

	Administration Console
Change Center	Home Log Out Preferences Record Help Welcome, Weblogic Connected to: v10.Prod
View changes and restarts	Home >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Users and Groups
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Group
Domain Structure	OK Cancel
v 10.Prod ⊕ Environment → "Deployments ⊕ Services ↓ Security Realms ⊕ Interoperability	Group Properties The following properties will be used to identify your new Group. * Indicates required fields What would you like to name your new Group?
⊕-Diagnostics	* Name:
	How would you like to describe the new Group? Description:
How do I	Please choose a provider for the group.
Create groups     Modify groups     Delete groups     Create users     Manage users and groups	Provider: DefaultAuthenticator        OK     Cancel
System Status	
Health of Running Servers	
Failed (0)	
Overloaded (0)	
Warning (0) OK (1)	
WebLogic Server Version: 10.3.2.0	
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- 8. Click the **OK** button.
- 9. On the Users and Groups page, click the Users tab.
- 10. Click the **New** button.
- 11. Complete the Name, Description, and Password fields.

	Administration Console
Change Center	🟦 Home Log Out Preferences 🖾 Record Help 🔍 Welcome, Weblogic Connected to: v10.Prod
View changes and restarts	Home >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Users and Groups >Summary of Security Realms >myrealm > <b>Users and Groups</b>
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New User
Domain Structure	
v10.Prod -Environment -Deployments -Security Realms	User Properties The following properties will be used to identify your new User. # Indicates required fields
B-Interoperability	What would you like to name your new User?
ter Diagnostics	* Name:
	How would you like to describe the new User?
	Description:
How do I	Please choose a provider for the user.
Create users     Modify users	Provider: DefaultAuthenticator
Delete users     Grapta graups	The password is associated with the login name for the new User.
Manage users and groups	Password:
System Status	Confirm Password:
Health of Running Servers	
Failed (0)	UK Cancel
Critical (0)	
Verloaded (U)	
OK (1)	
WebLogic Server Version: 10.3.2.0	
Done	Construction of the second sec

- 12. Click the **OK** button.
- 13. Click on the name of the newly created user.
- 14. Click the Groups tab.

	Server® A	dministrat	ion Console									10.0	<u>^</u>
Change Center	_	Home	Log Out Prei	erences 🗠	Record I	Help			v	elcome, WebLogic	Connected to	: v10.Prod	
View changes and restarts		Home >S	ummary of Sec	urity Realms >	myrealm >	Users and Groups >	sts.admin						
Configuration editing is enabled. Future changes will automatically be activated	as vou	Settings f	or sts.admir			_						_	
modify, add or delete items in this doma	ain.	General	Passwords	Attributes	Group	s							
Domain Structure		Save											
v10.Prod													
Environment     Deployments		Use this	page to confi	qure group m	embership	for this user.							
Services													
Security Realms		Parent (	iroups:						This user ca	be a member of any	of these parer	nt	
Interoperability     Diagnostics		Availab	le			Chosen		1	groups. Mo	re Info			
		mppres											
		CrossDo	omainConnecto	ors	A (SU)	DSAdmin							
		Monitor	5										
		OracleS	ystemGroup		- <								
						1							
How do I	=												
Create users		Save											
System Status	=												
Health of Running Servers													
Failed (0)													
Critical (0)													
Overloaded (0)													
Warning (0)													
OK (1)													
WebLogic Server Version : 10.3.2.0													
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Uracle is a registered trademark of Oracle	Corporation :	and/or its affili	ates. Other nan	nes may be tra	oemarks o	r their respective ow	ners.						
													-
Done										Nocal intranet	(	100% 💂	

- 15. Select the Group you created in the previous steps.
- 16. Click the > button to move that Group into the **Chosen** field.
- 17. Click the Save button.
- 18. Repeat these steps to create other users.

Con figure and Start Node Manager

To configure the node manager:

- 1. Log in to the WebLogic Administration Console. Enter Username WebLogic and Password admin123.
- 2. In the **Domain Structure** box, expand **Environment**.
- 3. Click the Machines link.
- 4. In the Summary of Machines box, click the machine name.

ORACLE WebLogic Server®	Administration Console	-
Change Center	Home Log Out Preferences Record Help Welcome,	, Weblogic Connected to: v10.Prod
View changes and restarts	Home >Summary of Machines >vhaisbll25.vha.med.va.gov >Summary of Machines	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Summary of Machines	ruara) Wahi agir Satuar usaa
Domain Structure v10.Prod □ -Environment Servers	A major is a single state of the second of the column server in solar load of the match records of the instanced of configured machine names to determine the optimum server in solar to which rectard hask, and set HTTP is The Administration Server uses the machine definition in conjunction with Node Manager to start remote serve This page displays key information about each machine that has been configured in the current Weblogic Server	ver domain.
···Clusters ···Virtual Hosts ···Migratable Targets ··· <b>Machines</b>	Customize this table	
Startup & Shutdown Classes	New Clone Delete Sho	owing 1 to 1 of 1 Previous   Next
Deployments	□ Name ↔	Туре
Security Realms Interoperability	vhaisibil25.vha.med.va.gov	Machine
How do I	New Clone Delete Sho	owing 1 to 1 of 1 Previous   Next
Create and configure machines     Assign server instances to machines     Clone machines     Delete machines		
System Status		
Health of Running Servers		
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (1)		
WebLogic Server Version: 10.3.2.0 Copyright © 1996,2009, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle <u>Corporation</u>	rights reserved. and/or its affiliates. Other names may be trademarks of their respective owners.	
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- 5. Click the Node Manager tab.
- 6. Complete the fields.

Change Center	Mi Home Log Out Preferences	Record Help	welcome, weblogic Connected to: V10.Pr
View changes and restarts	Home >Summary of Machines >vhais	slbll25.vha.med.va.gov >Summary of Ma	chines >vhaisIbII25.vha.med.va.gov
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain	Settings for vhaisIbIl25.vha.med	l.va.gov	
Domain Structure	General Node Manager Ser	vers	
10.Prod  Evrores  Custers  Witual Hosts  Maratable Targets  Maratable Targets  Maratable Targets  Maratable Targets	Save This page allows you to define the must be configured and running or The settions defined on this page.	Node Manager configuration for this n the machine where the Managed Se are used to configure communication.	nachine. To control a Managed Server from the console, Node Manager vers are installed.
Work Managers    Startup & Shutdown Classes    Deployments    Security Realms	Managed Servers. This page does	SSL	de Manager instances. Returns the node manager type. More Info
Interoperability     Joiagnostics	Listen Address:	localhost	The host name or IP address where Node Manager listens for connection requests. More Info
How do I   Create and configure machines	Listen Port:	5556	The port number where Node Manager listens for connection requests. More Info
Monitor Node Manager status Monitor Node Manager logs	🏀 Node Manager Home:		Returns the nodemanager home directory that will be used to substitute for the shell command template More Info
System Status	🖞 Shell Command:		Returns the local command line to use when invoking SSH or RSH node manager functions. More Info
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)	🔲 Debug Enabled		Specifies whether communication with this Node Manager needs to be debugged. When enabled, Node Manager provides more information about request processing. This information is sent to the log of the server making requests to Node Manager. More info
OK (1)	Save		

7. Click the Save button.

If the default listen port is not available on the server, change it to an available number.

8. Open a terminal console and run the following commands to start the node manager.

cd /u01/app/wls1032/wls/server/bin

nohup /u01/app/wls1032/wls/server/bin/startNodeManager.sh &

tail -f nohup.out

9. If the default port 5556 is not used, edit the following file to update ListenPort with the same number configured in the Administration Console.

/u01/app/wls1032/wls/common/nodemanager/nodemanager.properties

10. Kill and restart the node manager to pick up any change.

### Log Con figuration

To configure the WebLogic server logs:

1. Run the following commands in a terminal console to create a directory to hold all WebLogic server logs.

cd /u01/app/domains

mkdir logs

- 2. Log in to the WebLogic Administration Console. Enter Username WebLogic and Password admin123.
- 3. In the **Domain Structure** box, expand **Environments**.

### 4. Click Servers.

	dministration Co	nsole					
Change Center	Home Log Out	t Preferences 🔤 Record He	lp	٩	We	lcome, Weblo	gic Connected to: v10.Pro
View changes and restarts	Home >Summary	of Servers					
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Summary of Serv	Control					
Domain Structure  v10.Prod  · · · · · · · · · · · · · · · · · ·	A server is an in: This page summa C2 Customize th Servers (Filte New Cone	stance of WebLogic Server that wizes each server that has bee is table red - More Columns Exist)	runs in its own J n configured in th Cluster	ava Virtual Machine ee current WebLogic Machine	(JVM) and has its Server domain.	own configuration	n. 9 1 of 1 Previous   Next Listen Port
How do I	admin.v	10.Prod(admin)			RUNNING	🖋 ок	7200
Create Managed Servers     Delete Managed Servers     Delete the Administration Server     Start and stop servers	New	Delete				Showing 1 to	1 of 1 Previous   Next
System Status							
Health of Running Servers							
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (1)							
WebLogic Server Version: 10.3.2.0 Copyright © 1996,2009, Oracle and/or its affiliates. All ri Oracle is a registered trademark of Oracle Corporation .	ights reserved. and/or its affiliates. Oth	er names may be trademarks of t	neir respective ow	ners.		N Local intran	et 🕀 100%

- 5. Click the admin server name.
- 6. Click the **Logging** tab.

_		Record Hole	Welcome Weblagic Connected to v10			
Change Center	Home Log Out Preterences Leg Record Help					
View changes and restarts	Home >Summary of Servers >adn	in.v10.Prod				
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for admin.v10.Prod					
nodify, add or delete items in this domain.	Configuration Protocols Lo	gging Debug Monitoring Control Dep	oloyments Services Security Notes			
omain Structure	General HTTP					
10.Prod						
3-Environment	Save					
Servers						
Clusters	Use this page to define the gen	eral logging settings for this server				
Virtual Hosts	ose ans page to denne the gen	eranogging secangs for ans server.				
Migratable Targets						
Machines	🚰 Log file name:	logs/admin v10 Prod log	The name of the file that stores current log messages. Usually it is a computed value based on the name of the			
Work Managers		logs/admin.vro.r roa.log				
Startup & Shutdown Classes			parent of this Mbean. For example, for a server log, it is serverName log. More Info			
Deployments			serverhanelog. Hore mon			
-Services	- Rotation					
Security Realms			Critaria for moving old log magazgos to a goparato			
r Interoperability	An Rotation type:	By Size 💌	file. More Info			
Proladnostics						
ow do I	Rotation file size:	500	The size (1 - 65535 kilobytes) that triggers the server to move log messages to a separate file. After the log file			
View and configure logs			reaches the specified minimum size, the next time the			
Change server log file name and location			server checks the file size, it will rename the current log			
Specify messages for standard out			subsequent messages. (Requires that you specify a file			
Detete las filas			rotation type of Size.) More Info			
Rotate log lifes						
Forward messages to the domain log	Begin rotation time:	00-00	Determines the start time (hour and minute) for a time-			
Specify severity level for Loggers		00.00	based rotation sequence. More Info			
Filter log messages						
	Rotation interval:	24				
ystem Status			messages to another file. (Requires that you specify a file rotation type of TIME.) More Info			
ealth of Running Servers						
	Limit number of retaine	d files	Indicates whether to limit the number of log files that the server instance creates to store old messages. (Pequire			
Failed (0)			that you specify a file rotation type of SIZE or TIME.)			
Critical (0)			More Info			
Overloaded (0)						
Overloaded (o)	Files to retain:	7	The maximum number of log files that the server create			
Warning (0)		L'	when it rotates the log. This number does not include th			
OK (1)			file that the server uses to store current messages.			
			(requires that you chaple Number of Files Limited.)			

- 7. Click the **General** tab.
- 8. Change the **Log file name** to use the newly created log directory.
- 9. In the Rotation type pull down menu, select By Time.
- 10. Uncheck Limit number of retained files.
- 11. Uncheck Rotate log file on startup.
- 12. Click the **Save** button.

Domain Structure	General HTTP			
10.Prod	Save			
	Use this page to define the general log	ging settings for this server.		
	🏀 Log file name:	logs/admin.v10.Prod.log	The name of the file that stores current log messages. Usually it is a computed value based on the name of the parent of this MBean. For example, for a server log, it is serverName.log. More Info	
3-Services	- Rotation			
Security Realms Interoperability Diagnostics	A Rotation type:	By Time 💌	Criteria for moving old log messages to a separate file. More Info	
ow do I 🖂	Rotation file size:	500		
View and configure logs Change server log file name and location Specify messages for standard out Rotate log files			reaches the specified minimum size, the next time the server checks the file size, it will remain the current log file as FileName.n and create a new one to store subsequent messages. (Requires that you specify a file rotation type of Size.) More Info	
Forward messages to the domain log Specify severity level for Loggers	Begin rotation time:	00:00	Determines the start time (hour and minute) for a time- based rotation sequence. More Info	
Filter log messages	Rotation interval:	24	The interval (in hours) at which the server saves old log messages to another file. (Requires that you specify a file rotation type of TIME.) More Info	
ealth of Running Servers Failed (0) Critical (0)	Limit number of retained files		Indicates whether to limit the number of log files that this server instance creates to store old messages. (Requires that you specify a file rotation type of SIZE or TIME.) More Info	
Overbaded (0) Warning (0) OK (1)	Files to retain:	7	The maximum number of log files that the server creates when it rotates the log. This number does not include the file that the server uses to store current messages. (Requires that you enable Number of Files Limited.) More Info	
	億 Log file rotation directory:		The directory where the rotated log files will be stored. By default the rotated files are stored in the same directory where the log file is stored. More Info	
	🔲 🥂 Rotate log file on startup		Specifies whether a server rotates its log file during its startup cycle. More Info	
	- Advanced			

- 13. Click the **HTTP** tab.
- 14. Change the Log file name to use the newly created log directory.
- 15. In the Rotation type pull down menu, select By Time.
- 16. Uncheck Limit number of retained files.
- 17. Uncheck Rotate log file on startup.
- 18. Click the **Save** button.
- 19. Repeat the above steps for all managed servers.

### Configure WebLogic for Production Mode

To configure WebLogic for Production mode:

- 1. Log in to the WebLogic Administration Console. Enter Username WebLogic and Password admin123.
- 2. In the **Domain Structures** box, click the domain name.
- 3. Click the **General** tab.
- 4. Select the box for **Production Mode**.

Home >v10.Prod						
	Home >v10.Prod					
Settings for v10.Prod						
Configuration Monitoring Control	Soqurity Web Service Sequrity	Notos				
	Security Web service security	Notes				
General JTA EJBs Web Applica	tions Logging Log Filters					
Save						
A domain is a collection of WebLogic Server instances that is managed by a single Administration Server. Use this page to configure administrative options that apply to all servers in the current domain.						
*Name:	v 10.Prod	The name of this WebLogic Server domain. More Info				
Enable Administration Port		Specifies whether the domain-wide administration port should be enabled for this WebLogic Server domain. Because the administration port uses SSL, enabling the administration port requires that SSL must be configured for all servers in the domain. More Info				
Administration Port:	9002	The common secure administration port for this WebLogic Server domain. (Requires you to enable the administration port.) More Info				
🗹 縃 Production Mode		Specifies whether all servers in this domain run in production mode. Once enabled, this can only be disabled in the admin server startup command line. More Info				
🗌 🏀 Enable Cluster Constraints		Specifies that deployments targeted to a cluster succeed only if all servers in the cluster are running. More Info				
🗹 🍓 Enable on-demand deployn	nent of internal applications	Specifies whether internal applications such as the console, uddi, wistestclient, and uddiexplorer are deployed on demand (first access) instead of during server startup. More Info				
🔲 🍓 Enable Oracle Guardian Age	ent	Specifies whether the Guardian Agent is deployed when starting servers in the current domain. More Info				
	Configuration       Monitoring       Control         General       TTA       EBs       Web Applica         Save       A domain is a collection of WebLogic Ser         administrative options that apply to all a         * Indicates required fields         * Name:         Enable Administration Port         Administration Port:         Øf:       Enable Cluster Constraints         Øf:       Enable Oracle Guardian Age	Configuration       Monitoring       Control       Security       Web Service Security         General       TTA       E3Bs       Web Applications       Logging       Log Filters         Save       Admain is a collection of WebLogic Server instances that is managed by a sing administrative options that apply to all servers in the current domain.         * Indicates required fields         * Name:       v10.Prod         Enable Administration Port         9002         Image:       9002         Image:       9002         Image:       9002				

5. Click the **Save** button.

Start Managed WebLogic Servers and Deploy Applications

To start the managed servers and deploy the applications:

- 1. Log in to the WebLogic Administration Console. Enter Username WebLogic and Password admin123.
- 2. In the **Domain Structure** box, expand **Environment**.
- 3. Click Servers.

	erver® A	dministratio	n Console							
Change Center		ሰ Home L	og Out Prefere	ences 🔤 Record He	elp	٩	v	/elcome, Webl	ogic Connected to: v10	.0.Pr
View changes and restarts		Home >v10	.Prod > <b>Summar</b>	ry of Servers						
Configuration editing is enabled. Future changes will automatically be activated a modify, add or delete items in this doma	as you iin.	Summary o	of Servers							
Domain Structure v10.Prod		A server i	s an instance of	f WebLogic Server tha	it runs in its own :	Java Virtual Machine	e (JVM) and has it	s own configurat	tion.	
Environment     Servers     Clusters		This page	summarizes eac	ch server that has be	en configured in t	he current WebLog	ic Server domain.			
Virtual Hosts Migratable Targets Machines		C2 ▶ Custom	ize this table							
Work Managers Startup & Shutdown Classes Deployments		Servers	(Filtered - Mo	ore Columns Exist)				Showing 1	to 1 of 1 Previous   Nex	xt
Security RealmsInteroperability	-		ame 🚕		Cluster	Machine	State	Health	Listen Port	
How do I		□ ª	dmin.v10.Prod(a	admin)			RUNNING	🖋 ок	7200	
Create Managed Servers		New	Clone Delete					Showing 1	to 1 of 1 Previous   Nex	xt
<ul> <li>Delete Managed Servers</li> <li>Delete the Administration Server</li> </ul>										
Start and stop servers										
System Status										
Health of Running Servers										
Failed (0)										
Critical (0)										
Overloaded (0)										
Warning (0)										
OK (1)										
WebLogic Server Version: 10.3.2.0										
Copyright © 1996,2009, Oracle and/or its Oracle is a registered trademark of Oracle	affiliates. All ri Corporation	ights reserved. and/or its affiliat	es. Other names i	may be trademarks of	their respective ow	ners.				
								🔍 Local intra	anet 🔍 100	in%

- 4. In the **Summary of Servers** box, click the **Control** tab.
- 5. Check the box by the server name.
- 6. Click the **Start** button.
- 7. Run the following commands in a terminal console.

cd /u01/app/domains/v10.prod/bin

./all\_deploy.sh

# Glossary

### STS Terminology Glossary

Term	Definition
Application Program Interface (API)	<ul> <li>An API is:</li> <li>1. The interface or set of functions, between the application software and the application platform.</li> <li>2. The means by which an application designer enters and retrieves information.</li> </ul>
archetype	<ul> <li>An archetype is:</li> <li>1. A syntactically and semantically structured aggregation of vocabulary or other data that is the basic unit of clinical information. See also: template</li> <li>2. A formal, reusable model of a concept for a given domain.</li> </ul>
attribute	A named characteristic of a concept that can be assigned a value. See also: property (preferred).
authoring	The process of creating and editing terminology content. See also: development environment.
candidate version	Terminology Deployment Server (TDS) content that has passed internal testing and is sent to Software Quality Assurance (SQA) for quality assurance testing.
change set	A generic term for any terminology content that is deployed by TDS; specifically an Initial Deployment, a Candidate Version, or a Finalized Version.
characteristic	An attribute or behavior of something. See also: property.
child	The subtype in a parent-child relationship. The child (subtype) is narrower and more specific while the parent (supertype) is broader and more general. The child inherits the characteristics of the parent.
classification	Groupings of concepts for a given purpose where entries are found in one category.
code set	Any set of codes used for encoding data elements, such as tables of terms, medical concepts, medical diagnosis codes, or medical procedure codes.
component	An identifiable item in the main body of SNOMED CT or in an authorized extension. Components include: concepts, descriptions, relationships, subsets, histories, and extensions.
Computerized Patient Record System (CPRS)	The CPRS is the people, data, rules and procedures, processing and storage devices, and communication and support facilities that provide the capture, storage, processing, communication, security, and presentation of computer-based patient record information.
concept	An abstract unit of thought.
concept equivalence	Concept equivalence occurs when two concepts have the same meaning.
concept to concept linking	Concept to concept linking is when one concept is explicitly associated with another concept. Types of concept to concept linking are the creation of Map Sets, Translation Services, and Pre and Post Coordinated terms.
context	<ul> <li>A context can be:</li> <li>1. The environment in which it is appropriate to display a specific designation for a concept.</li> <li>2. A specified part or field of a patient record, application, protocol, query, or communication in SNOMED CT.</li> </ul>

Term	Definition
data cleanup	Activities that are taken to correct, normalize, and eliminate terms from a reference file before it is matched to a new standard. See also: standardization.
data model	A schema that describes the way data is represented.
data standardization	The process of defining, creating, deploying, and maintaining a common terminology resource.
datatype	A data storage format that can contain a specific type or range of values.
deploy	<ol> <li>Deploy means:</li> <li>Within general software development, to send electronically as a unit.</li> <li>Within STS, to publish terminology content from the development to production environments.</li> </ol>
deployment	<ol> <li>A deployment is:</li> <li>The process of publishing terminology content from the development environment to the production environment.</li> <li>Groups of concepts that are ready to be tested and potentially added to the terminology.</li> </ol>
description	The text that represents a concept in human readable form. See also: designation (preferred).
designation	A representation of a concept. See also: description, display form, expression, surface form, term
development environment	All the software and hardware components needed to create or edit a terminology. See also: authoring.
display form	A representation of a concept. See also: designation (preferred), description, expression, surface form, term.
domain	<ul> <li>A domain is:</li> <li>1. A specialized discipline of medicine.</li> <li>2. A set of terms belonging to a specialized discipline of medicine.</li> <li>3. A set of terms associated within a VistA application.</li> </ul>
entity relationship model	A graphical representation of work or information flow. Consists of entities (things), attributes (data), and relationships (connections between entities). Often used to model basic work or information flow. See also: information model, terminology model.
Enterprise Terminology Services (ETS)	The term ETS is no longer used. This team is now referred to as Standardization and Terminology Services (STS).
expression	Human readable representation of a concept or the name of a concept. See also: designation (preferred), description, surface form.
finalized version	TDS content that has passed SQA testing and is sent to production sites for field use.
Health Data Repository (HDR)	The HDR is a repository of clinical information normally residing on one or more independent platforms for use by clinicians and other personnel in support of patient-centric care.

Term	Definition
Health Level Seven (HL7)	<ul> <li>HL7 is:</li> <li>1. One of the American National Standards Institute (ANSI) accredited Standards Developing Organizations (SDO) operating in the healthcare arena.</li> </ul>
	2. An interoperability specification for transactions produced and received by computer systems.
homophone	One of two or more words pronounced alike but different in meaning, derivation, or spelling.
homonym	One of two or more words spelled and pronounced alike but different in meaning.
International Classification of Diseases – 9 <sup>th</sup> edition (ICD-9)	ICD-9 classifies morbidity and mortality information for statistical purposes and for indexing of hospital records by disease and operations for data storage and retrieval.
International Classification of Diseases – 9 <sup>th</sup> edition – Clinical Modification (ICD- 9-CM)	ICD-9-CM is a clinical modification of the World Health Organization's ICD-9. It purpose is to classify morbidity data for indexing medical records, medical care review, and ambulatory and other medical care programs as well as for basic health statistics.
initial deployment	TDS content that has passed initial review and is sent to testing sites for internal evaluation.
Internal Entry Number (IEN)	A number used to identify an entry within a file. Every record has a unique internal entry number. In a VistA file, an IEN is a numerical identifier.
information model	A structured specification, expressed graphically and/or narratively, of the information requirements of a domain. An information model describes the required classes of information and the properties of those classes, optionally including attributes, relationships, and other essential information. See also: entity relationship model, terminology model
lexicon	<ul><li>A lexicon is:</li><li>1. The vocabulary of a language. See: terminology.</li><li>2. Commonly used to refer to VistA's Lexicon Utility.</li></ul>
Logical Observation Identifiers, Names, And Codes (LOINC)	The LOINC database provides a set of universal names and ID codes for identifying laboratory and clinical observations. LOINC codes are used to facilitate the exchange and pooling of clinical laboratory results, such as blood hemoglobin or serum potassium, for clinical care, outcomes management, and research.
map entry	The link between concepts from a source code system to one or more concepts from a target code system. Map entries may be from two standard code systems or from within the same code system. A map entry is an instance of the data in a map set.
map entry order	The numeric order of the target code(s) for a source code.
map set	A collection of map entries with associated metadata.
metadata	Attributes that describe the format and content of information to enable sharing of information between users and applications.
modifier	A word or phrase associated with a concept that changes its meaning.
nomenclature	A system of names and groupings, which is structured according to pre-established naming rules. See also: classification, taxonomy
non-domain	Content that is not part of a clinical domain.

Term	Definition
non-VistA	Content that is not deployed to VistA.
normalization	The process of identifying lexical variations of concepts that may include identification of synonyms.
ontology	<ul> <li>Ontology is:</li> <li>1. An explicit formal specification of how to represent the objects, concepts, and other entities that are assumed to exist in some area of interest and the relationships that hold among them. See also: terminology</li> <li>2. All terms in a domain including the relationships among them.</li> </ul>
parent	The supertype in a parent-child relationship. The child (subtype) is narrower and more specific while the parent (supertype) is broader and more general. The child inherits the characteristics of the parent.
partial deployment	Deploying one or more subsets within a Version instead of deploying the entire Version.
post-coordination	The representation of a complex concept as a combination of two or more concepts. See also: pre-coordination.
pre-coordination	The representation of a complex concept as a single concept. See also: post-coordination.
preferred term	The preferred human readable representation of a concept or the preferred name of a concept. Often used as the default display form of a concept. Synonyms: preferred designation, preferred expression.
production environment	The software and hardware that is used by end users, as opposed to developers and testers, to access terminology services in the VHA enterprise.
property	A named characteristic of a concept that can be assigned a value.
qualifier	A word or phrase associated with a concept that does not change its meaning.
reference file	Non-patient VistA data file that contains reference or Terminology information not Patient Data.
reference terminology	<ol> <li>Reference terminology is:</li> <li>A comprehensive, consistent, and logically organized set of concepts that is designed to completely embody the expressive detail of a given domain, supported by a set of relationships that defines the elements within the domain and shows how their meanings relate to each other.</li> <li>A controlled medical vocabulary intended for use as a reference to enablestorage, retrieval, and analysis of clinical data.</li> </ol>
relationship	An association between concepts. See also: semantics, semantic relationship.
Standards Development Organization (SDO)	Any entity whose primary activities are developing and maintaining standards that address the interests of a wide base of users outside the standards development organization
semantics	The meanings assigned to terminology content. See also: semantic relationship.
semantic relationship	An association between two concepts that has a specific meaning.
service oriented architecture (SOA)	The VistA architecture is an SOA whereby applications that provide functionality for use by other applications are created as a service that conforms to a set of VHA standardized design patterns.

Term	Definition
Systemized Nomenclature of Medicine (SNOMED) Clinical Terms (CT)	SNOMED CT is a dynamic, scientifically validated clinical reference terminology that makes health care knowledge more usable and accessible.
standard code system (SCS)	An organized collection of terms or concepts established by an authoritative source such as an SDO.
standardization	The process of defining, creating, deploying, and maintaining a common terminology resource.
Standards and Terminology Services (STS)	STS includes project teams that were previously known as Data Standardization (DS) and ETS as well as the VETS and Enterprise Reference Terminology (ERT) subproject teams.
subset	A collection of concepts or designations that share a specified purpose or set of characteristics.
subtype	The child in a parent-child relationship. The subtype (child) is narrower and more specific while the supertype (parent) is broader and more general. The subtype contains all the characteristics of the supertype.
supertype	The parent in a parent-child relationship. The supertype (parent) is broader and more general while the subtype (child) is narrower and more specific. All the characteristics of the supertype are included in the subtype.
surface form	The term that 3M uses for a human readable representation of a concept, or the name of a concept. See also: designation (preferred).
synonym	A term or an expression that is an acceptable alternative to the preferred designation.
taxonomy	A hierarchical classification of concepts.
template	<ol> <li>A template is:</li> <li>A structured aggregation of one or more archetypes, with optional order, to represent clinical data. An HL7 template is a data structure, based on the HL7 RIM that expresses the data content that is needed in a specific clinical or administrative context. Templates are drawn from the RIM and make use of HL7 vocabulary domains. Templates are also described as constraints on HL7 artifacts.</li> <li>A locally produced constraint specification that specifies which archetypes go together</li> </ol>
	in an application dialog or message specification.
term	A human readable representation of a concept or name of a concept. See also: designation (preferred).
terminology	Set of concepts, designations, and relationships for a specialized subject area. The terms that are characterized by special reference within a discipline are called the terms of the discipline and, collectively, they form the terminology. Terms that function in general reference over a variety of languages are simply words and their totality is a vocabulary.
terminology deployment services	Central distribution point for all terminology services. Updates are uploaded to the terminology deployment server, which in turn distributes them to targeted VistA sites.
terminology model	A terminology model provides a consistent structure and specifies the formal representation of a concept. The STS terminology model comprises of components such as concepts, designations, properties, and relationships. Other components of the STS terminology model include Subsets and Concept to Concept linking.
terminology server	The software application and hardware that provide access to terminology content through a published set of API.

Term	Definition
test environment	The software and hardware that is used by developers and testers as opposed to end users to test terminology services in the VHA enterprise.
translation	After two terminologies have been mapped, a translation between the two is possible.
Unified Medical Language System (UMLS) Metathesaurus	The UMLS Metathesaurus is a very large, multi-purpose, and multi-lingual vocabulary database that contains information about biomedical and health related concepts, their various names, and the relationships among them. It reflects and preserves the meanings, concept names, and relationships from its source vocabularies. It also supplies information that computer programs can use to create standard data, interpret user inquiries, interact with users to refine their questions, and convert the users' terms into the vocabulary used in relevant information sources.
value	A quantitative or qualitative state that is assigned to a property.
value domain	All allowable values for a terminology, datatype, or value set. May be an infinite set of values.
value set	A finite set of allowable values. Typically, a value set has a small number of values. If it has a large number of values, it may be a terminology.
version Veterans Health Administration	<ol> <li>A version is:</li> <li>Formal changes in a terminology. May be used to find and track inactivated codes, determine the current code set, or track the history of a concept.</li> <li>Also applies to formal revisions in computer code or programs.</li> <li>An STS deployment that has passed internal testing. Can refer to a Candidate Version or a Finalized Version.</li> <li>VETS focuses on requirements for the deployment of and runtime access to terminology content in ERT for all VHA clinical applications.</li> </ol>
(VHA) Enterprise Terminology Services (VETS)	
VHA Terminology (VHAT)	VHAT is the terminology that is created and maintained by STS.
Veterans Health Information Systems and Technology Architecture (VistA)	VistA is a term used to describe the VA's health care information system. It encompasses in-house developed applications developed by VA staff, office automation applications, locally developed applications, and commercial-off-the-shelf applications.
vocabulary	A list of words or phrases with their meanings. See also: terminology.
Web Services Description Language (WSDL)	WSDL is an XML-based language that provides a model for describing Web services. The meaning of the acronym has changed from version 1.2 where the D meant Definition.

## Appendix A – WebLogic Server Installation Configuration

File wls1032.xml content:

```
<?xml version="1.0" encoding="UTF-8"?>
```

<bea-installer>

<input-fields>

<data-value name="BEAHOME" value="/u01/app/wls1032"/>

<data-value name="WLS\_INSTALL\_DIR" value="/u01/app/wls1032/wls"/>

<data-value name="COMPONENT\_PATHS" value="WebLogic Server/Core
Application Server|WebLogic Server/Administration Console|WebLogic Server/Configuration
Wizard and Upgrade Framework|WebLogic Server/WebLogic Web Server Plugins|WebLogic
Server/UDDI and Xquery Support"/>

<data-value name="LOCAL\_JVMS" value="/u01/app/jdk1.6"/>

</input-fields>

</bea-installer>

## Appendix B – WebLogic Domain Installation Configuration

File basedomain.py content:

```
readTemplate('/u01/app/wls1032/wls/common/templates/domains/wls.jar')
create ('vhaislbll25.vha.med.va.gov','Machine')
```

set('AdminServerName', 'admin.v10.Prod')
cd('/Server/AdminServer')
set('Name', 'admin.v10.Prod')

cd('/Server/'+'admin.v10.Prod') set('ListenAddress', 'REDACTED0') set('ListenPort', REDACTED)

cd('/Security/base\_domain/User/weblogic')
set('Name','weblogic')
cd('/Security/base\_domain/User/'+'weblogic')
cmo.setPassword('admin123')

writeDomain('/u01/app/domains/v10.Prod')
closeTemplate()

# Appendix C – Start/Stop and Deploy Scripts

Script start\_sts.deployment.sh content

echo Starting weblogic server v10.deployment ... /u01/app/domains/v10.prod/bin/nodemanager/wlscontrol.sh \ -d v10.prod \ -r /u01/app/domains/v10.prod \ -s v10.deployment START

Script stop\_sts.deployment.sh content

/u01/app/domains/v10.prod/bin/nodemanager/wlscontrol.sh \ -d v10.prod \ -r /u01/app/domains/v10.prod \ -s v10.deployment KILL

Script bounce\_sts.deployment.sh content

/u01/app/domains/v10.prod/bin/stop\_sts.deployment.sh sleep 30 /u01/app/domains/v10.prod/bin/start\_sts.deployment.sh

Script deploy\_sts.deployment.sh content

cd /u01/app/domains/v10.prod/bin ./u01/app/wls1032/wls/server/bin/setWLSEnv.sh /u01/app/jdk1.6/bin/java -Duser.home=.security \ weblogic.Deployer -adminurl t3://10.5.20.180:7200 -stop -name sts.deployment /u01/app/jdk1.6/bin/java -Duser.home=.security \ weblogic.Deployer -adminurl t3://10.5.20.180:7200 -undeploy -name sts.deployment ./bounce\_sts.deployment.sh /u01/app/jdk1.6/bin/java -Duser.home=.security \ weblogic.Deployer -adminurl t3://10.5.20.180:7200 -deploy -name sts.deployment \ -source /u01/app/domains/v10.prod/apps/sts.deployment.war \ -targets v10.deployment -nostage

Script all\_deploy.sh content

/u01/app/domains/v10.prod/bin/deploy\_sts.deployment.sh /u01/app/domains/v10.prod/bin/deploy\_sts.browser.sh /u01/app/domains/v10.prod/bin/deploy\_ntrt.sh /u01/app/domains/v10.prod/bin/deploy\_sts.ted.sh /u01/app/domains/v10.prod/bin/deploy\_vuid.sh

# Appendix D – STS V10 Detailed Configuration

[Host] Name=vhaislbll25 Domain=.vha.med.va.gov FQDN=%(Name)s%(Domain)s IP=10.5.20.180 AppDir=/u01/app JavaHome=%(AppDir)s/jdk1.6 BeaHome=%(AppDir)s/wls1032 WlsHome=%(BeaHome)s/wls WlsInstaller=wls1032 generic.jar

[Domain] Tag=v10 BaseDir=@@Host\_AppDir@@/domains Name=%(Tag)s.prod Home=%(BaseDir)s/%(Name)s PortGroup=72 Serial=0 ProductionModeEnabled=true

[NodeManager] ListenPort=5556

[AdminServer] Serial=00 Name=admin.@@Domain\_Name@@ ListenAddress=@@Host\_IP@@ ListenPort=@@Domain\_PortGroup@@00 SSL\_ListenPort=@@Domain\_PortGroup@@99 AdministrationPort=@@Domain\_PortGroup@@88 Url=t3://@@Host\_IP@@:%(ListenPort)s SSL\_Url=t3s://@@Host\_IP@@:%(AdministrationPort)s Start\_Arg=-server -Xms360m -Xmx360m -XX:PermSize=128m -XX:MaxPermSize=256m \ -Xverify:none -Dcds.jndi.provider.url=%(Url)s

[User]

Admin\_Name=weblogic Admin\_Pass=admin123 App\_Group=DSAdmin App\_Users=sts.admin App\_User Pswd Char=

[ManagedServer] SerialList=01,02,03,04,05 Start\_ArgMem=-Xms640m -Xmx640m -XX:PermSize=128m -XX:MaxPermSize=384m -server -Xverify:none Start\_JavaHome=@@Host\_JavaHome@@ Start\_JavaVendor=Sun Start\_BeaHome=@@Host\_BeaHome@@ Start\_BeaHome=@@Host\_BeaHome@@ Start\_ClassPath\_Bea@Domain\_Home@@ Start\_ClassPath\_A=%(Start\_RootDirectory)s/lib/antlr-2.7.6.jar Start\_ClassPath\_B=@@Host\_WlsHome@@/server/lib/weblogic.jar Start\_ClassPath\_C=%(Start\_RootDirectory)s/sts.config [[need create dir]] Start\_ClassPath=%(Start\_ClassPath\_A)s:%(Start\_ClassPath\_B)s:%(Start\_ClassPath\_C)s Name01=deployment ListenAddress01=@@Host\_IP@@ ListenPort01=@@Domain\_PortGroup@@01 SSL\_ListenPort01=@@Domain\_PortGroup@@11 AdministrationPort01=@@Domain\_PortGroup@@21 Machine01=@@Host\_FQDN@@ Url01=t3://@@Host\_IP@@:%(ListenPort01)s Start\_ArgMem01=-Xms2048m -Xmx2048m -XX:PermSize=128m -XX:MaxPermSize=384m -server -Xverify:none Start\_Arg01=%(Start\_ArgMem01)s -Dcds.jndi.provider.url=%(Url01)s

Name02=browser ListenAddress02=@@Host\_IP@@ ListenPort02=@@Domain\_PortGroup@@04 SSL\_ListenPort02=@@Domain\_PortGroup@@14 AdministrationPort02=@@Domain\_PortGroup@@24 Machine02=@@Host\_FQDN@@ Url02=t3://@@Host\_IP@@:%(ListenPort02)s Start Arg02=%(Start ArgMem)s -Dcds.jndi.provider.url=%(Url02)s

Name03=ntrt ListenAddress03=@@Host\_IP@@ ListenPort03=@@Domain\_PortGroup@@02 SSL\_ListenPort03=@@Domain\_PortGroup@@12 AdministrationPort03=@@Domain\_PortGroup@@22 Machine03=@@Host\_FQDN@@ Url03=t3://@@Host\_IP@@:%(ListenPort03)s Start\_Arg03=%(Start\_ArgMem)s -Dcds.jndi.provider.url=%(Url03)s

Name04=ted ListenAddress04=@@Host\_IP@@ ListenPort04=@@Domain\_PortGroup@@08 SSL\_ListenPort04=@@Domain\_PortGroup@@18 AdministrationPort04=@@Domain\_PortGroup@@28 Machine04=@@Host\_FQDN@@ Url04=t3://@@Host\_IP@@:%(ListenPort04)s Start Arg04=%(Start ArgMem)s -Dcds.jndi.provider.url=%(Url04)s

Name05=vuid ListenAddress05=@@Host\_IP@@ ListenPort05=@@Domain\_PortGroup@@03 SSL\_ListenPort05=@@Domain\_PortGroup@@13 AdministrationPort05=@@Domain\_PortGroup@@23 Machine05=@@Host\_FQDN@@ Url05=t3://@@Host\_IP@@:%(ListenPort05)s Start Arg05=%(Start ArgMem)s -Dcds.jndi.provider.url=%(Url05)s

#### [JDBC]

SerialList=01,02,03 Url=jdbc:oracle:thin:@vhaislbll25.vha.med.va.gov:1521:stsd01 DriverName=oracle.jdbc.OracleDriver KeepXaConnTillTxComplete= XaEndOnlyOnce=true XaSetTransactionTimeout=true XaRetryDurationSeconds=300 XaTransactionTimeout=120 InitialCapacity=1 CapacityIncrement=1 MaxCapacity=15 TestConnectionsOnReserve=true TestTableName=SQL SELECT 1 FROM DUAL GlobalTransactionsProtocol=TwoPhaseCommit

Name01=Deployment User01=ds\_@@Domain\_Tag@@ Password=...... Password\_Key01=c2s106 JNDINames01=jdbc/gov.va.med.term.deployment Target01=@@ManagedServer\_Name01@@

Name02=VETS User02=vts\_@@Domain\_Tag@@ Password=...... Password\_Key02=c2s92 JNDINames02=jdbc/gov.va.med.term.services Target02=@@ManagedServer\_Name01@@,@@ManagedServer\_Name02@@,\ @@ManagedServer\_Name03@@,@@ManagedServer\_Name04@@,\ @@ManagedServer\_Name05@@

Name03=NTRT User03=ntrt\_@@Domain\_Tag@@ Password=...... Password\_Key03=c2s145 JNDINames03=jdbc/gov.va.med.term.ntrt Target03=@@ManagedServer\_Name03@@ GlobalTransactionsProtocol03=OnePhaseCommit

[Log] BaseDir=@@Domain\_BaseDir@@/logs RotationType=byTime NumberOfFilesLimited=false RotateLogOnStartup=false