Standards & Terminology Services (STS)

VETS Deployment Services Production Release

Set Up Guide



Version 1.0

March 2010

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

Revision History

Date	Version	Description	Author
Oct. 12, 2009	0.1	Installation Manual outline, deployment processes, and builds instructions.	Peri Koester, Greg Spalding, Duncan Shelley
Oct. 27, 2009	0.2	Format and screen size changes.	Peri Koester
Nov. 23, 2009	0.3	Incorporated Duncan's changes.	Peri Koester
Dec. 02, 2009	0.4	Review changes.	Peri Koester
Dec. 08, 2009	0.5	Added Create User info from User Guide and changed name to Set Up Guide.	Peri Koester
Dec. 17, 2009	0.6	Removed internal Glossary link and added embedded Glossary.	Peri Koester
Feb. 22, 2010	0.7	Added new headings and partial content.	Peri Koester
March 01, 2010	0.8	Adding new screen shots for Creating New Users. Removing Creating and Installing a Domain and replacing with Installing and configuring. Also adding how to update files post production.	Greg Spalding, Peri Koester
March 22, 2010	1.0	Publishing document as final.	Peri Koester

Table of Contents

Introduction1
PreInstallation2
VETS V9 Build and Data Conversion Instructions2
Create VETS V9 Schemas Instructions3
Copy VETS V8 Data into the VETS V9 Schemas Instructions4
STS Deployment Process5
Prerequisites5
Configuration Script5
Edit the Servers7
Copying New Configuration and Help Files10
Starting and Stopping WebLogic Servers10
Creating STS Application Users12
Glossary
STS Terminology Glossary21
Appendix A – stsV9.config27

Introduction

This manual describes the STS Deployment Services Version 9.0 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

The STS Terminology Deployment Service Version 9.0 release uses an Oracle WebLogic Server 11g as the database server.

WebLogic 10.3.2 and Java 6 must be installed.

VETS V9 Build and Data Conversion Instructions

This section describes the steps you need to perform to create the VETS V9 database schemas and copy the VETS V8 data into the VETS V9 schema. The VETS V8 and V9 schemas can co-exist in the same database while the VETS V9 environment is validated and the VETS V8 environment can be archived.

These tables list the V8 schema names and their corresponding V9 schema names in the environments that the V9 data creates from a V8 schema.

PRODUCTION (HDRP06)				
V8 SCHEMA NAME	V9 SCHEMA NAME			
DS	DS_V09			
REQUESTDB	NTRT_V09			
TDEVHAT	VHAT_V09			
VTS	VTS_V09			
VUID	VUID_V09			

SQA (ETSD06 on vhaislbll10)				
V8 SCHEMA NAME	V9 SCHEMA NAME			
DS_V08	DS_V09T			
NTRT_V08	NTRT_V09T			
VHAT_V08	VHAT_V09T			
VTS_V08	VTS_V09T			
VUID_V08	VUID_V09T			

The V09T schemas on ETSD06 where copied into the V09 schemas on ETSD07 for SQA testing on 9/28/09.

Integration (STSI01 on vhaislbll26)				
V8 SCHEMA NAME	V9 SCHEMA NAME			
DS_V08	DS_V09T			
NTRT_V08	NTRT_V09T			
VHAT_V08	VHAT_V09T			
VTS_V08	VTS_V09T			
VUID_V08	VUID_V09T			

Create VETS V9 Schemas Instructions

Follow the steps below to create the V9 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 V9 schema.
- Execute the Oracle SQL script. build_version9_releasenumber_full_databasename.sql
 - The releasenumber is the latest database build number for V 9.
 - The databasename is the name of the database that the build will be created on.
 - The build_version9_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_version9_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.

March 2010

Follow the step below to create the VETS V9 data model on a PC:

- Unload the zip files into a directory on your computer.
 <FILE://\vhaisImul1\Projects\ETS (STS)\VETS\Version 9\Toad Data Modeler\Reports\HTML\VETS_001009.zip>
- 2. Open the file VETS_001009.html in a browser window to view the data model.

Copy VETS V8 Data into the VETS V9 Schemas Instructions

The conversion process below was designed so that the V8 and the V9 data reside in the same database. Follow the steps below to copy V8 data in to the V9 schemas:

- Copy the following files into the data_pump_dir directory on the database server: copy_v8_to_v9_databasename.sh copy_v8_v9_ds_databasename.sql copy_v8_v9_ntrt_databasename.sql copy_v8_v9_vts_databasename.sql copy_v8_v9_vuid_databasename.sql
- The following files need to be edited to update the variables with the correct values: copy_v8_to_v9_databasename.sh copy_v8_v9_ds_databasename.sql copy_v8_v9_ntrt_databasename.sql copy_v8_v9_vts_databasename.sql copy_v8_v9_vuid_databasename.sql
- 3. Execute the shell script copy_v8_to_v9_databasename.sh on the database server to copy the data.

This script can be executed against an empty V9 schema, or when data is in the V9 schema and data needs to be reloaded. The main tasks that this script performs are:

- Copies data directly from V8 tables into V9 tables using Insert/Select statements for tables that do not contain LONG RAW data
- Export/Import V8 NTRT table into a V9 NTRT table because table contains LONG RAW data
- Export/Import V8 NTRT schema into a V9 NTRT schema because there are no changes in the structure between versions
- Sets all sequences to correct values
- Sets all object permissions
- Moves indexes to correct tablespace
- Gathers schema statistics for all V9 schema

All files used in this step are stored in Perforce.

STS Deployment Process

The STS Deployment Process consists of installing a VETS V9 domain and configuring the scripts.

Prerequisites

• WebLogic version 10.3.2

Perform a default install, installing to /u01/app/oracle/middleware.

If you install to another directory change the paths in the rest of the STS Deployment Process section to reflect the path you installed to.

• Java 6

Install Java 6.

Create a symbolic link named /usr/java/java6 and the target is the Java 6 installation location.

This is necessary so that the paths spelled out in the STS Deployment Process are correct.

This section assumes the following directories exist:

Domain home = /u01/app/oracle/middleware/user_projects/domains

Setup Directory = /u01/app/setup

Configuration Script

The domain is set up using a python configuration script and WebLogic Scripting Tool (WLST).

- 1. Log in to vahdrppwls14 as the WebLogic user or sudo to the WebLogic user after logging in as you.
- 2. Ensure the following are in the WebLogic users path:

/u01/app/oracle/middleware/wlserver_10.3/common/bin /u01/app/oracle/middleware/wlserver_10.3/common/nodemanager

3. Copy the setup.zip file to the /u01/app/setup directory and extract it with the following command:

March 2010

unzip setup.zip

4. Execute the following command in the /u01/app/setup directory:

wlst.sh config.py --create -b -c stsV9.config

 Copy the v9_prod_domain.zip file to the /U01/APP/ORACLE/MIDDLEWARE/USER_PROJECTS/DOMAINS/V9.PROD directory and extract it with the following command:

unzip v9_prod_domain.zip

- 6. When prompted to overwrite the files, reply YES.
- Execute the following command in both the /U01/APP/ORACLE/MIDDLEWARE/USER_PROJECTS/DOMAINS/V9.PROD/bin and /U01/APP/ORACLE/MIDDLEWARE/USER_PROJECTS/DOMAINS/V9.PROD/bin/no demanager directories:

chmod 766*.sh

 Start the admin server by executing the following command in the /U01/APP/ORACLE/MIDDLEWARE/USER_PROJECTS/DOMAINS/V9.PROD directory:

nohup ./startWebLogic.sh &

- 9. Press the **Enter** button.
- 10. Use the following command to monitor the progress of the server start:

tail -200f nohup.out

Note: Press the Ctrl and C buttons to exit after the server has started.

- 11. Watch for errors while the server is starting.
- 12. To ensure the Administration Console is working, use the following link to bring up the console in your browser.

http://vahdrppwls14.aac.va.gov:7200/console/

13. Return to the terminal session and execute the following command in the /u01/app/setup directory:

wlst.sh new_config.py --create -o -c stsV9.config

Edit the Servers

For every server, except the Admin server, do the following:

1. Log in to the WebLogic console as the WebLogic user.

Favorites 🔗 🍘 Supported Size •			
Home Page - v9 - WLS Console			🦓 • 🛄 • 📼 • Ekor• Safety• Tools•
ORACLE WebLogic Server®	Administration Console		The second se
hange Center	Home Log Out Preferences Mr Record Help	a	Welcome, perskoester Connected to:
New changes and restarts	Home		
Configuration editing is enabled. Future	Home Page		
nodify, add or delete items in this domain.	- Information and Resources		
Sumain Develope	Helpful Tools	General Information	
a and a structure	Configure applications	 Common Administration Task Descriptions 	
Environment.	 Recent Task Status 	 Read the documentation 	
Deployments	 Set your console preferences 	 Ask a question on My Oracle Support 	
Security Realms		 Oracle Guardian Overview 	
Fi Sinter operability	- Domain Configurations		
* Diagnostics	Domain	Employee	Interconcerchility
	Domain	Messain	WTC Servers
		 JMS Servers 	Joli Connection Pools
	Environment	 Store-and-Forward Agents 	
	Servers	 34G Modules 	Diagnostics
	Custers	 Path Services 	Log Files
tow do I	Virtual Hosts	Bridges	Diagnostic Modules
Search the configuration	Mgratable Targets	• XBC	Diagnostic Images
Use the Change Center	Machines	 Data Sources 	Archives
Record WLST Scripts	Work Managers	 Multi Data Sources 	Context
Change Console preferences	 Startup And Shutdown Classes 	Data Source Factories	• 5999
Monitor servers		 Persistent Stores 	
	Your Deployed Resources	XML Registres	
System Status	Deploymenta	King entry caches	
realth of Running Servers	and a second second second	Work Contexts	
Paled (0)	Tour Application & Security Sectings	• 100M	
Critical (0)	 Security idealins 	Mai Sessions	
Overloaded (0)		 FieT3 	
Warning (S)		• JTA	
04 (2)			

- 2. In the Domain Structure box click the Environment link.
- 3. In the Domain Structure box or the Summary of Environment section click the Server link.
- 4. Click on each server and edit the following in each server's start tab:

Note: do not edit the Admin server.

Java Home = /user/java/java6

Java Vendor = Sun

BEA Home = /u01/app/oracle/middleware

Root Directory = /u01/app/oracle/middleware/user_projects/domains/v9.Prod

Classpath = /u01/app/oracle/middleware/user_projects/domains/v9.Prod/lib/antlr-2.7.6.jar:/usr/java/java6/lib/tools.jar:/u01/app/oracle/middleware/wlserver_10.3/server/ lib/weblogic_sp.jar:/u01/app/oracle/middleware/wlserver_10.3/server/lib/weblogic.jar:/

March 2010

u01/app/oracle/middleware/modules/features/weblogic.server.modules_10.3.0.0.jar:/ u01/app/oracle/middleware/modules/features/com.bea.cie.commonplugin.launch_2.2.0.0.jar:/u01/app/oracle/middleware/wlserver_10.3/server/lib/webser vices.jar:/u01/app/oracle/middleware/modules/org.apache.ant_1.6.5/lib/antall.jar:/u01/app/oracle/middleware/modules/net.sf.antcontrib_1.0.0.0_1-0b2/lib/antcontrib.jar:/u01/app/oracle/middleware/user_projects/domains/v9.Prod/sts. config:/u01/app/oracle/middleware/wlserver_10.3/server/lib/xqrl.jar:

User Name = weblogic

- 5. In the Domain Structure box click the Services link.
- 6. In the Domain Structure box or the Summary of Services section click the JDBC link.
- 7. In the Domain Structure box or the Summary of Services: JDBC section click the Data Sources link.
- 8. Do the following for each Data Source:
 - a. Click the data source link
 - b. Click the Connection Pool tab.
 - c. Type the correct password.
- 9. In the Domain Structure box click the Environment link.
- 10. In the Domain Structure box or the Summary of Environment section click the Machines link.
- 11. In the Summary of Machines section click the vahdrppwls14 link.
- 12. Click the Node Manager tab and make a note of the Listen Port.
- 13. In your terminal session, start the Node Manager.
- 14. Go to the /u01/app/oracle/middleware/wlserver_10.3/server/bin and type:

nohup ./startNodeManager.sh &

- 15. Press the **Enter** button.
- 16. Use the following command to monitor the progress of the Node Manager start:

tail -200f nohup.out

Note: Press the Ctrl and C buttons to exit after the Node Manager has started.

17. Go to the /u01/app/oracle/middleware/wlserver_10.3/common/nodemanager.

If necessary, edit the Listen Port entry to match the entry you wrote from the Node Manager tab (step 12 above).

If you make a change, you will need to stop and start the Node Manager.

a. To stop the Node Manager, use kill on its process ID.

You can find the process ID by typing the following:

ps -efl / grep 32m

- b. Start the Node Manager by following steps 14 and 15 above.
- 18. In the WebLogic Administration Console, in the Domain Structure box click the Environment link.
- 19. In the Domain Structure box or the Summary of Environment section click the Server link.
- 20. Click on each server, except the admin server.
- 21. Click the Control tab and then click the **Start** button.
- 22. After each server has started return to your terminal session.
- 23. In the /u01/app/oracle/middleware/user_projects/domains/v9.Prod/bin directory execute the following commands one at a time:

./autoTDSDeploy.sh

./autoBrowserDeploy.sh

./autoNTRTDeploy.sh

./autoVUIDDeploy.sh

24. In your browser window check to make sure each server has started. Click the following links:

http://vahdrppwls14.aac.va.gov:7201/sts.deployment/

http://vahdrppwls14.aac.va.gov:7202/ntrt/

http://vahdrppwls14.aac.va.gov:7203/vuid/

http://vahdrppwls14.aac.va.gov:7204/sts.browser/

Copying New Configuration and Help Files

The following files may be updated in the Production environment:

- application.properties
- browserconfig.xml
- terminologyconfig.xml
- browserhelp.html
- browserintro.html

The files reside in the /u01/app/oracle/middleware/user_projects/domains/v9.Prod/sts.config directory. To update the files:

- 1. Sign in as the WebLogic user.
- 2. Copy the files to the directory (above).

If the file being updated is the application.properties or terminologyconfig.xml:

3. Restart the TDS by entering the following command in the /u01/app/oracle/middleware/user_projects/domains/v9.Prod/bin directory:

./bounceTDS.sh

Starting and Stopping WebLogic Servers

To start all WebLogic servers in the V9 domain (i.e. after server reboot) follow the steps below:

- 1. Start a console session on vahdrppwls14 as a user with sudo rights to the WebLogic user.
- 2. Type sudo su weblogic and enter your password (if necessary).
- 3. Change to the /u01/app/oracle/middleware/user_projects/domains/v9.Prod directory.
- 4. Rename or delete the nohup.out file.
- 5. Type nohup./startWebLogic.sh& and press the **Enter** button. This starts the admin server.
- 6. Change to the /u01/app/oracle/middleware/user_projects/domains/v9.Prod/bin directory.

- 7. Type ./startTDS.sh to start the Deployment server.
- 8. Type ./startNTRT.sh to start the NTRT server.
- 9. Type ./startVUID.sh to start the VUID server.
- 10. Type ./startBrowser to start the browser.

To stop all WebLogic servers in the sts.prod domain follow the steps below:

- 1. Start a console session on vahdrppwls14 as a user with sudo rights to the WebLogic user.
- 2. Type sudo su weblogic and enter your password (if necessary).
- 3. Change to the /u01/app/oracle/middleware/user_projects/domains/v9.Prod/bin directory.
- 4. Type ./stopTDS.sh and wait for the command to finish.
- 5. Type ./stopNTRT.sh and wait for the command to finish.
- 6. Type ./stopVUID.sh and wait for the command to finish.
- 7. Type ./stopBrowser.sh and wait for the command to finish.
- 8. Type ./stopWebLogic.sh and wait for the command to finish.

To stop an individual server, follow the steps below:

- 1. Start a console session on vahdrppwls14 as a user with sudo rights to the WebLogic user.
- 2. Type sudo su weblogic and ener your password (if necessary).
- 3. Change to the /u01/app/oracle/middleware/user_projects/domains/v9.Prod/bin directory.
- 4. Type the appropriate command to stop the server you want stopped.
 - VETS server: ./stopTDS.sh
 - NTRT server: ./stopNTRT.sh
 - VUID server: ./stopVUID.sh

• Browser server: ./stopBrowser.sh

To start or restart an individual server, follow the steps below:

- 1. Start a console session on vahdrppwls14 as a user with sudo rights to the WebLogic user.
- 2. Type sudo su weblogic and ener your password (if necessary).
- 3. Change to the /u01/app/oracle/middleware/user_projects/domains/v9.Prod/bin directory.
- 4. Type the appropriate command to start the server you want started.
 - VETS server: ./startTDS.sh or ./bounceTDS.sh
 - NTRT server: ./startNTRT.sh or ./bounceNTRT.sh
 - VUID server: ./startVUID.sh or ./bounceVUID.sh
 - Browser server: ./startBrowser.sh or ./bounceBrowser.sh

Creating STS Application Users

Follow the steps below to create users for STS applications:

1. Enter the following URL in your web browser to bring up the WebLogic Server Administration Console.

/login/LoginForm.jsp

	Oracle WebLogic Server Administration Console - Windows Internet Explorer	
for your found that the formation of the formation of the second se	(a) http://www.bb25.vha.med.va.gov/7100/console/logn/Logn/Form.jpp	🛃 🌆 🗙 🔯 Live Seach 🖉
	le Edit Yew Favoritet Ioolt Help	
	Favorites 🙀 🖉 Suggested Sites *	
<form><form><form><form><form><form><form><form><form></form></form></form></form></form></form></form></form></form>	Oracle Webi, ogic Server Administration Console	🖓 • 🗔 • 🖂 🖶 • Baps • Safety • Tools • 🔒
Mage Sever www. BLIS Note and the addition of the addition of the addition of the sequences of the sequence	WebLogic Server® 11g Administration Console	
Margar Source Ansano. 85.1.6 Revord & 2000, Source Andor Is alliane. All rights manual. And a suggested balanet of Dank Coponation and/or fu alliane. Other more may be tradements of their mayerbie onvers.		Welcome Log n Is work with the Welcogo Server doman Username: Password: Log h
Nalage Serve venue 18.1.2 vengel & Dere Venue Valant Venue Alegen and Alegen and Alegen and Alegen angeler ange		
velages forwer waard tel 2 d pr https://g 8 ptw.com/substantial of cash Corporation and/or fair file. Other researt may be tradement is of their impactive owners. Incols & a suggistered tradement of Coarle Corporation and/or fair file. Other researt may be tradement is of their impactive owners.		
opyging 8 1996-2000, Once weld or a william. Af syste reasonad. An a registered hadmark of Dank Organization and/or fa william. Other names he hadmanks of their requestive somers.	Nakiojo tavas Vason 1911.0	
	Dagroph E 1996/2006, Oncide and on the utilities, All rights reasoned. Search is a registered trademark of Oncide Corporation and/or the affiliates. Other names may be trademarks of their respective connets.	

- 2. Type your username in the Username field.
- 3. Type your password in the Password field.
- 4. Click the **Log In** button or press the **Enter** button.

	py 7100/console/console portal?_ripb-twell_pageLabel-Homel	Page1	- tr X D Live Search	4
e Edit Verw Favorites Tools Help				
Tanada and a second second				
and a suttered and .				
Home Page - v9 - WLS Console	14 - 1		(i) • [.] • □ • ≡ • ≥ ess •	Safety - Tools -
DRACLE WebLogic Server®	Administration Console			
hange Center	🙆 Home Log Out Preferences 🖾 Record Help	Q	Welcome, peri.kor	ester Connected to: v9
new changes and restarts	Home			
onfiguration editing is enabled. Future	Home Page			
anges will automatically be activated as you odify, add or delete items in this domain.	- Information and Resources			
	Methodad Teorda	Concernit Information		
omain Structure	Configure explications	Common Administration Task Descriptions		
Environment	Recent Task Status	Read the documentation		
Deployments	 Set your console preferences 	 Ask a question on My Oracle Support 		
/ Services Security Realms		Oracle Guardian Overview		
Interoperability	- Domain Configurations			
3-Diagnostica	Domain	Services	Intermershilly	
	Domain	Messading	WTC Servers	
		 JMS Servers 	 Jolt Connection Pools 	
	Environment	 Store-and Forward Agents 		
	Servers	 3MS Modules 	Diagnostics	
	Custers	 Path Services 	 Log Files 	
ow do I	Virtual Hosts	Bridges	 Diagnostic Modules 	
Search the configuration	Mgratable Targets	Data Service	Diagnostic Images	
Use the Change Center	Machines Work Management	 Multi Data Sources 	Arcrives Context	
Record WLST Scripts	Startup And Shutdown Classes	 Data Source Factories 	. 1249	
Change Console preferences		Persistent Stores		
CALLER PRIME	Your Deployed Resources	 XML Registries 		
ystem Status	Deployments	 XML Entity Caches 		
ealth of Running Servers		Foreign 3KOL Providers		
Eated (0)	Your Application's Security Settings	Work Contexts		
Critical (0)	 Security Realms 	Mai Sessions		
Overleaded (0)		Fiet3		
Warming (0)		• JTA		
OK (5)				
covright @ 1996,2009. Oracle and/or its affinities. A	traits married			
inade is a regatured trademark of Oracle Corporatio	ou aud/or as aggrass. Other varies way be pademarks of their raches			

5. In the left side panel, click the **Security Realms** link.

Sommary of Security Readins	vs - wes console - windows include Expe	and all and an		
Edit View Examine Tank Male	We have conversed on the parts of the tree payments and the	arteani aver ave	E M A O De stadi	100
Facesher () ()				
and a subset of the				
Summary of Security Realms - v9 - WLS Consol	*		()(• E) • ∞ 0€ • Esbi•	Safety • Tools •
DRACLE WebLogic Server	Administration Console			1
ange Center	Home Log Out Preferences Record Help	Q	Welcome, perikoe	ester Connected to: v9
ew changes and restarts	Home - Summary of Security Realms			
infiguration editing is enabled. Future anges wil automatically be activated as you dify, add or delete items in this domain.	Summary of Security Realms			
main Structure	A security realm is a container for the mechanisms—including us multiple security realms in a WebLogic Server domain, but only i	iers, groups, security roles, security policie one can be set as the default (active) real	s, and security providers—that are used to protect WebLogic resources t.	. You can have
Environment Deployments Security Realms Enteroperability	This Security Realms page lats each security realm that has be [©] Customize this table Realms(Filtered - Hore Columns Exist)	en configured in this WebLogic Server dom	an. Old: the name of the realm to explore and configure that realm.	
Diagnostica	New Delete		Showing 1 to 1 or	f 1. Previous Next
	🗇 Name 🚓	Default Realm		
	miresim	true		
	New Oside		Showing I to I o	f 1 Previous Next
w do I				
Configure new security realms				
Delete security realms				
Change the default security realm				
stem Status 🗏				
with of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0)				
Warning (0)				
OK (5)				
21 Made	1			
IsbLogic Server Venion: 10.3.2.6 opyright (E) 1996-2007, Oracle and/or its affiliates. A racle is a registered trademark of Oracle Corporation	ill rights reserved. on and/or its afflicter. Other names may be insidemarks of their respective or			

6. On the Summary of Security Realms screen, click the **myrealm** name link.

formation and the state of the			
address - C settiment and .	1-1		
Settings for myreath - v9 - WLS Console			of - Fil - Date - Exter - 2 sted - 10st -
JRACLE WebLogic Server®	Administration Console		
ange Center	Home Log Out Preferences M R	ecord Help	Welcome, perikoester Connected to:
w changes and restarts	Home sistemary or security reasons sing	HERE S SUPPORT OF SHELFEY HERE S HERE SHE	
inguration editing is enabled. Puture inges will automatically be activated as you	Settings for myrealm		
pry, add or delete items in this domain.	Configuration Users and Groups	Roles and Policies Credential Mappings Provider	s Migration
main Structure	General RDBMS Security Store	Iser Lookout Performance	
Environment.	Save		
Deployments Recuires			
Security Realma	Use this page to configure the general	behavior of this security realm.	
Sinter operability Diagnostics	Note:		
	are not available and the sec	ity using JACC Dava Authorization Contract for Conta inity functions for Web applications and EJBs in the Ad	ners as defined in 294 115), you must use the OD Only security model. Other WebLopic Server models ministration Console are disabled.
	Name	myrealm	The name of this security realm. More Info
	Security Hodel Default:	DD Oxfu	Specifies the default security model for Web applications or EXBs that are
		bb only	secured by this security realm. You can override this default during deployment. More Info
# do I	10.15		
Aanage security for Web applications and 20%	Combined Role Happing t	nabled	application, and E.B. containers interact. This setting is valid only for Web
let the default security model			applications and ELES that use the Advanced security model and that initiatize roles from deployment descriptors. More Info
Jelegate MBean authorization to the realm		the Product Mark America	Configures the Welk our Server Milean servers to use the security realman
stem Status	U of Ose Authorization Provisi	es la Protect JPIX Access	Authorization providers to determine whether a JHX client has permission to access an Milean attribute or involve an Milean operation. More Info.
alth of Running Servers	- D Advanced		
Faled (0)	Save		
Critical (0)			
Overloaded (5)			
Warning (0)			
OK (5)			
probe petriel Aelensis 071770			
etcope server venueri (0.1.0.0 oyright © 1996,2009. Oracle and/or its affiates. A sile is a registered trademark of Oracle Corporatio	or and/or its affiliates. Other names may be trade	narks of their respective conters.	

7. On the Setting for myrealm screen, click the Users and Groups tab.

e Edit Yew Favorites Iools Help						
Favorites 2 2 Successed Size •		2				
Settings for nyrealm - v9 - WLS Console					🗿 • 🛄 • 🗁 🖮 • Baba • Salety • Tool	•
DRACLE WebLogic Server*	Adminis	itration Console	1		and the second second second second	
sange Center	SE H	ione Log Out Preferences 🕍 Re	Jord Help	tain allows and Groups	Welcome, perskoester Corrected	101
icw changes and restarts	Settie	uns for morealm	and conclusive and a second concerned			-
hanges will automatically be activated as you odify, add or delete items in this domain.	Conf	fouration Users and Groups	Roles and Policies Credential Mano	ings Providers Migration		
anna fheadana	lies	Grane				
onam structure	- Ope	a cape				
Services —Security Realma Intercoer delity Diagnostics	P Cur Use	stomize this table				
	1.00	ew Dalata			Shawing 1 to 10 of 14 Previous Ne	et
	C	🗍 Name 🗠	Description		Provider	
	C	dan.oramer	Dan Cramer		DefaultAuthenticator	
ow do L	C	greg spalding	Greg Spalding		DefaultAuthenticator	
Manage users and groups	E	loren.stevenson	Loren Stevenson		DefaultAuthen8cator	
Create users Hodify users	C	nelanie.loudia	Melanie Loucks		DefaultAuthenticator	
Delete users	C	michael.jordan	Michael Jordan		DefaultAuthenticator	
ystem Status 😑	E	mke.nevman	nike newman		DefaultAuthenticator	
ealth of Running Servers	E	CradeSystemUser	Oracle application sof	fbilare system user.	DefaultAuthenticator	
Faled (0)	C	peri.koester	Peri Koester		DefaultAuthenticator	
Overloaded (0)	C	randy.stewart	Randy Stewart		DefaultAuthenScator	
Warning (0)	C	sramana.chakraborti	sramana.chakraborti		DefaultAuthenticator	1
(x (i)	Ne	ew Delete			Showing 1 to 10 of 14 Previous Net	kt
VebLook Server Verson: 103.3.0	-					-
spyright (5-1996,2009, Crische and/or its alliates; Al						

8. On the Users and Groups tab, click the **Groups** tab.

Favorites 🙀 🍘 Supported Sites •	1						
Settings for nyresin - v9 - WLS Console					9.	🗊 • 🗠 🗯 • Baga • Salety	· Tgolo ·
DIRACLE WebLogic Server*	Administr	ration Console	I manual state			Websens and boartes	and a start sec. A
hange Center	Home	s Summary of Security Realms 1	mynain xSumm	ary of Security Realms 2 my realm 2 Dee	rs and Groups	weating, personater co	projected and
tonfiguration editing is enabled. Future	Setting	as for myrealm					
hanges will automatically be activated as you odify, add or delete items in this domain.	Config	uration Users and Group	Roles and P	okcies Credential Mappings Pr	widers Migration		
omain Structure	Users	Groups					
i Environment, - Deploymenta - Services - Security Resima - Security Resima - Degrostics	This : Cust Grou	page displays information abo tomize this table ges	ut each group the	it has been configured in this securi	y naalm.		
	New	N Dalata				Showing 1 to 9 of 9 Previ	rious Next
		Name 🕫	Descripti	on .		Provider	
		AdminChanneUsers	AdminChan	nelUsers can access the admin char	nel.	DefaultAuthentic	sator
ow do I		Administrators	Administrat	ors can view and modify all resource	attributes and start and stop servers.	DefaultAuthents	sator
Manage users and groups		AppTesters	AppTesters	group.		DefaultAuthentic	cator
Create groups		CrossDomainConnectors	CrossDoma	inConnectors can make inter-domain	calls from foreign domains.	DefaultAuthentic	sator
Delete groups		Deployers	Deployers	can view all resource attributes and	Seploy applications.	DefaultAuthents	cator
estem Status		DSAdmin	DS Admin			DefaultAuthentic	cator
calds of Running Servers		Monitors	Monitors ca	in view and modify all resource attri	utes and perform operations not restricted by roles.	DefaultAuthentic	cator
Failed (0)		Operators	Operators	can view and modify all resource att	butes and perform server lifecycle operations.	DefaultAuthentic	cator
Critical (0)		OradeSystemGroup	Oracle appl	ication software system group.		DefaultAuthentic	cator
Warning (0) CK (5)	Nex	w. Deate				Showing 1 to 9 of 9 Pres	nous Next
reblogic Server Venion: 10,3,2,0	-						

9. On the Groups screen, click the **DSAdmin** link.

You must have a DSAdmin group. You will add the new uses to this group. If you do not have a DSAdmin group, you need to create it. 1. On the Groups screen, click the **New** button.

Contraction of the second seco		
Edit Yew Favorites Icols Help		
Tayottes 🙀 🍘 Supposed Stars •		
Deale a New Group - v9 - WLS Console		🐴 • 🛄 • 🔤 • Ekos • Salety • Tools • 🌒
RACLE WebLogic Server ⁴	Administration Console	
ange Center	😰 Home: Log Out: Preferences 🔛 Record: Help	Welcome, perikoester Connected to: v9
ew changes and restarts	Home s Summary of Saturity Rasims simyrealm's Summary of Saturity Rasims simyrealm s Users and Groups s DSA	desia
nfiguration editing is enabled. Future inges will automatically be activated as you dify, add or delete items in this domain.	Create a Hew Group OK. Cancel	
main Structure	Course Researching	
Environment, Deploymenta Services	The following properties will be used to identify your new Group. * Indicates required fields	
Security Realma Interoperability Diagnostics	What would you like to name your new Group? *Name:	
	How would you like to describe the new Group? Description:	
w do I	Presse choose a provider for the group. Provider: DefaultAuthenticator * OK Cancel	
Manage users and groups		
alth of Durwing Genuers		
Pailed (0) Critical (0) Overloaded (0) Warning (0) OK (3)		
difugis Servic Vestion 10.12.5 springt () 1981,228, Cristie and/or its affiliates. A acti is a registered trademerk of Oracle Corporati	t nghĩa nam-nah. n mất nà nhữnha. Chine namas nay ba bulonne ha tế thiến raspostine sumera.	

- 2. On the Create a New Group screen, type **DSAdmin** in the Name field.
- 3. Type **DS Admin** in the Description field.
- 4. Click the **OK** button.

Continue creating users in the DSAdmin group.

10. On the Settings for myrealm screen, click the Users tab.

e Edit Yew Favorites Iools Help						
Favorites 🙀 🍘 Suggested Size •						
Settings for nyrealm - v9 - WLS Console						🖣 • 💭 • 🗁 🖮 • Bage • Safety • Tgols •
DRACLE WebLogic Server*	Adminis	tration Console				1
hange Center	1 H	ione Log Out Preferences 🔛 R	ecord Help	Q		Welcome, perikoester Connected to:
ew changes and restarts	- Pagers	a sourcey or percent searce set	ream > Users and Gr	ola		
anges will automatically be activated as you odfy, add or delete items in this domain.	Secon	farator Users and Groups	Dolar and Doldar	Cradantial Mansione Drouidare	Minufact	
	line	Contra and Groups	Roles and Policies	Concerns reporter Frontiers	THE BOOT	
smain Structure	Use	aug aroups				
Services Security Realma Interoperability Diagnostics	D Cur	stomize this table				
	1.04	ew Dalata				Showing 1 to 10 of 14 Previous Next
	C	Name 🕫	De	scription		Provider
	r	dan.cramer	Der	Cramer		DefaultAuthenticator
ow do I	E	grep.spalding	Gre	g Spalding		DefaultAuthenticator
Manage users and groups	E	loven.stevenson	Lor	en Stevenson		DefaultAuthenticator
Create users Modify users	C	nelanie.loudia	He	arie Louds		DefaultAuthenticator
Delete users	r	nichael.jordan	Mo	hael Jordan		DefaultAuthenticator
ystem Status	r	nke.nevman	nk	e newman		DefaultAuthenticator
ealth of Running Servers	C	OracleSystemUser	Ora	icle application software system use	r.	DefaultAuthenticator
Faled (0)	C	peri.koester	Per	Koester		DefaultAuthenticator
Overloaded (0)	r	randy.stewart	Ra	idy Stewart		DefaultAuthenitcator
Warring (0) CXC (3)	C	sramana.chakraborti	sra	tene.chakzebort		DefaultAuthenticator
	Ne	ew. Delete				Showing 1 to 10 of 14 Previous Next
VebLogic Server Version: 10.3.3.0	_					
approph (2.1996,3009, Oracle and/or its alliates. Al	E rights reason an and/or to	eved. 1 affiliates, Other names may be trade	nets of their respects			

11. On the Users screen, click the **New** button.

Create a New User • v9 • WLS	Console • Windows Internet Explorer	
🕒 🕘 🔻 🝙 Htp://whasbillis vhamed vag	r7193/console/console.portal?SecurityUsersEsaleUserPortetenumTo-RealmUser	MaragementUserTabPageLSecurityRealnificalnific 💽 🔩 🛪 🔯 Live Search 🖉 🖓
Elle Edit Yew Favorites Iools Help		
🔓 Favorites 🛛 🙀 🖉 Supported Size •		
Treate a New User - v9 - WLS Console		🌀 • 💭 • 🖘 🖷 • Baga • Safety • Tools • 📦 •
ORACLE WebLogic Server®	Idministration Console	2
Change Center	Home Log Out Preferences 🐼 Record Help	Q Welcome, perikoester Connected to: v9
View changes and restarts	Home s Summary of Saturity Easing Simyreain S Users and Groups	
Configuration editing is enabled. Future changes wil automatically be activated as you modify, add or delete items in this domain.	Create a New User OK Cancel	
Domain Structure v9 (R) Environment, Doployments (R) Services Security Realment	User Properties The following properties will be used to identify your new User, * Indicates required fields	
B Diagnostics	What would you like to name your new User? * Name:	
	How would you like to describe the new User? Description:	
How do I	Please choose a provider for the user. Provider: Default Authenticator	
Modify users Delete users	The password is associated with the login name for the new User.	
Create groups Manage users and groups	Password:	
System Status	Confirm Password:	
Health of Rumming Servers Pailed (0) Critical (0) Overloaded (0) Warring (0) OK (3) Woldcapit Renew Ventore 10.1.12	OK Canst	
Copyright (2:1996-2028, Criscle and/or its affinities, A Oracle is a registered trademark of Oracle Corporation	upits meaned and/or its afflation. Other names may be trademarks of their respective overen.	

- 12. On the Create a New User screen, type the user's full name in the Name field.
- 13. Type a description in the Description field.
- 14. In the Provider field, leave **DefaultAuthenticator** selected.

15. In the Password field, type the login password for this user.

Passwords must be 8 characters in length.

- 16. In the Confirm Password field, retype the login password for this user.
- 17. Click the OK button.

😌 🔻 😰 Htp://vhasbl25.vha.med.va	gov 7100/co	noole/console.portal?_rilpb=trueit_po	geLabel-RealnUseManagementUserTabPage	* * X D Live Seach	
Edit View Favorites Iools Help					
availes 🛛 🤪 🍘 Supported Silve +					
ettings for nyrealm - v9 - WLS Console				🗿 • 🛄 • 🔤 • Base Salety •	Tgolo •
RACLE WebLogic Server	Administ	ration Console			
ige Center	He He	me Log Out Preferences 🔛 Reco	rd Help	Welcome, perikoester Corre	cted to:
changes and restarts	Messa	1 > Summary of Security Realms > mymu Q65	in stress and Groops		
guration exiting is enabled. Future ges will automatically be activated as you fy, add or delete items in this domain.	00	Operation cancelled.			
ain Structure	Settin	gs for myrealm			
	Config	paraton Users and Groups	oles and Policies Credential Mappings Providers Migration		
veronenti. Jolo ymenta	User	Groups			
Security Realma B Shteroperability R Diagnostica	The D Cue User	page displays information about eac tornize this table rs	huser that has been configured in this security realm.		
	Ne	w Delete		Showing 1 to 50 of 14 Previous	Next
		Name 🗞	Description	Provider	
do I		dan.oaner	Dan Cramer	DefaultAuthenticator	
nage users and groups sate users		greg spalding	Greg Spalding	DefaultAuthenticator	
Sify users	0	loren.stevenson	Loren Stevenson	DefaultAuthenticator	
THE USETS		melana.laudis	Melana Loucks	DefaultAuthenticator	
m Status 😑		michael.jordan	Michael Jordan	DefaultAuthenticator	
Ealer((0)		mke.nevman	mile newman	DefaultAuthenticator	
Critical (0)		OradeSystemUser	Oracle application software system user.	DefaultAuthenticator	
Overloaded (0)	F	peri-koester	Peri Koester	DefaultAuthenticator	
C× (5)		randy-stewart	Randy Stewart	DefaultAuthenticator	
		stamana.choixaborti	sramena-chairaborti	DefaultAuthenticator	
	Ne	w Delete		Showing 1 to 10 of 14 Previous	Next
	1				

18. On the Users screen, click the user name link of the user you created to assign them to groups.

Settings for peri koester • v9 •	WLS Console • Windows Internet Explore	π.		- 5)
🔊 🕞 💌 😰 Http://wheelbl25.vhamed.vag	pv ?100/console/console portal?_ripb+tueli_pageLabel-3 ecurty.	UsersUserConfigGeneralPage&GeountyUsersU	terConfigGeneralPortiet 💌 🕂 🗙 🔁 Live Search	P.
e Edit Yew Favorites Iools Help				
Favorites 🔗 🖉 Suggested Size •				
Settings for peri koester - v9 - WLS Console			🗿 • 🗔 • 📼 🖷 • Exos •	Salety • Tools • 📦 •
DRACLE WebLogic Server®	Administration Console			
hange Center	Home Log Out Preferences Record Help	Q	Welcome, perikoest	ter Connected to: v9
iew changes and restarts	Home s Summary of Security Realine simyrealm s Users and Grou	ups sperClosester		
onfiguration editing is enabled. Future	Settings for peri-koester			
odify, add or delete items in this domain.	General Passwords Attributes Groups			
omain Structure	Save			
Environment Deployments	Use this page to change the description for the selected us	ver.		
Security Realms Interoperability	Name: perikoester		The login name of this user. More Info	
3 Diagnostica	Description: Peri Koester		A short description of this user. For example, the user's full Info	name. Hore
	Save			
ow do I				
Hodify users				
Delete users				
rstem Status	1			
salth of Running Servers				
Faled (0)				
Critical (0)				
Overloaded (0)				
Viaming (0)				
OK (5)				
Valid over Service Vanish 110,1-10				
opyright @ 1996,2007. Oracle and/or its attlates. A racle is a registered trademark of Oracle Corporate	il rights reserved. on and/or its affiliates. Offer names may be trademarks of their respectiv			
				10 x 18 400*
8			Local interest	168 . 1 . 1004 .

19. On the Settings for <Name of User> screen, click the Groups tab.

Settings for peri koester • v9 •	WLS Console - Windows Internet Explorer	
🕤 🕘 🔻 🝙 Htp://www.bliC5.vha.med.vag	pr/?100/console/console.portal?_rtpb=tveli_pageLabel=SecurityUserUserConfigUroupsPageThande=comb	tea conside handles. Secur 💌 🕂 🗙 🔯 Live Search 🖉 🖓
File Edit Yew Favorites Iools Help		
🙀 Favorites 🛛 🙀 🍘 Supported Sites •		
🔏 Settings for per koester - v9 - WLS Console		🦄 • 💭 • 🖘 🖮 • Base - Salety • Tools • 📦 •
ORACLE WebLogic Server	Administration Console	
Change Center	Home Log Out Preferences Record Help	Welcome, perikoester Connected to: v9
View changes and restarts	Home s Summary of Sacurity Rasins Simynaim S Upers and Groups Speet Assester	
Configuration editing is enabled. Future dianoes will automatically be activated as you	Settings for perikoester	
modify, add or delete items in this domain.	General Passwords Attributes Groups	
Domain Structure	Save	
v9 E Endersonal		
Deployments	Use this page to configure group membership for this user.	
Security Realma	Parent Groups:	This user can be a member of any of these ownert groups. Nore Info
Interoperability Diagnostics	Available Chosen	
	Education III	
	AppTesters	
	Monitors	
How do I		
Create users	Save	
System Status		
Health of Running Servers		
Paled (0)		
Overloaded (0)		
Warning (0)		
OK (5)		
WebLogic Server Version: 83.3.3.0		the second s
Copyright (D 1996,2009, Oracle and/or its affiliates, A Oracle is a registered trademark of Oracle Corporati	il rights reserved. or and/or to affliates. Other names may be trademarks of their respective owners.	
Jone		Local internet Par + 100% -

20. On the Groups screen, in the Available column select the group you want to assign to this user.

For STS applications select the **Deployers** and **DSAdmin** groups.

21. Click the right arrow to add the group to the Chosen column.

22. When you have selected all the groups for this user, click the **Save** button. The new user is created.

Glossary

STS Terminology Glossary

Term	Definition
Application Program Interface (API)	 An API is: 1. The interface or set of functions, between the application software and the application platform. 2. The means by which an application designer enters and retrieves information.
archetype	 An archetype is: 1. A syntactically and semantically structured aggregation of vocabulary or other data that is the basic unit of clinical information. See also: template 2. A formal, reusable model of a concept for a given domain.
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	 A context can be: 1. The environment in which it is appropriate to display a specific designation for a concept. 2. A specified part or field of a patient record, application, protocol, query, or communication in SNOMED CT.

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	 Deploy means: Within general software development, to send electronically as a unit. Within STS, to publish terminology content from the development to production environments.
deployment	 A deployment is: The process of publishing terminology content from the development environment to the production environment. Groups of concepts that are ready to be tested and potentially added to the terminology.
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	 A domain is: 1. A specialized discipline of medicine. 2. A set of terms belonging to a specialized discipline of medicine. 3. A set of terms associated within a VistA application.
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 is:
(HL7)	1. One of the American National Standards Institute (ANSI) accredited Standards Developing Organizations (SDO) operating in the healthcare arena.
	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 th 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 th 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	A lexicon is:1. The vocabulary of a language. See: terminology2. Commonly used to refer to VistA's Lexicon Utility.
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	 Ontology is: 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 2. All terms in a domain including the relationships among them.
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	 Reference terminology is: 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. A controlled medical vocabulary intended for use as a reference to enable storage, retrieval, and analysis of clinical data.
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 Health <u>e</u> Vet-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	 A template is: 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. A locally produced constraint specification that specifies which archetypes go together
	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	 A version is: 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. Also applies to formal revisions in computer code or programs. An STS deployment that has passed internal testing. Can refer to a Candidate Version or a Finalized Version.
Veterans Health Administration (VHA) Enterprise Terminology Services (VETS)	VETS focuses on requirements for the deployment of and runtime access to terminology content in ERT for all VHA clinical applications.
VHA Terminology (VHAT)	VHAT is the terminology that is created and maintained by STS, in which Department of Veterans Affairs (VA) Unique Identifiers (VUID) are used to enable consistent, enterprise-wide use throughout the VHA.
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 – stsV9.config

```
[domain] # [CreateDomain] + [SetDomain]
stsv9_name=v9
stsv9_rootdir=/u01/app/domains
stsv9_domainversion=10.3.2.0
stsv9 configurationversion=10.3.2.0
stsv9 adminservername=v9.admin
[adminserver] # [CreateAdminServer] + [SetAdminServer]
stsv9admin name=v9.admin
stsv9admin_listenport=7200
stsv9admin listenaddress=10.224.67.14
stsv9admin serverstart=-server -Xms512m -Xmx1024m -Xverify:none -
XX:MaxPermSize=512m -XX:PermSize=128m -
Dcds.jndi.provider.url=t3://10.224.67.14:7200
[ssl] # [SetSSL]
ssl01 listenport=10000
ssl01_enabled=True
[user] # [CreateUser]
weblogiccm user=sts.admin
weblogiccm_password=sts.admin
[machine] # [CreateMachine]
machine01 name=vahdrppwls14.aac.va.gov
machine01_type=Machine
[debugport] # [SetDebugPort]
debugport01_portno=7151
[manageserver] # [CreateManageNode] + [SetManageNode]
stsv9node1_server=v9.deployment
stsv9node1 ListenPort=7201
stsv9node1 ListenAddress=""
stsv9node1_machine=vahdrppwls14.aac.va.gov
stsv9node1_ServerStart=-server -Xms1024m -Xmx2048m -Xverify:none -
XX:MaxPermSize=384m -XX:PermSize=128m -
Dcds.jndi.provider.url=t3://10.224.67.14:7201
stsv9node2 server=v9.browser
stsv9node2 ListenPort=7204
stsv9node2_ListenAddress=""
stsv9node2_machine=vahdrppwls14.aac.va.gov
stsv9node2_ServerStart=-server -Xms512m -Xmx1024m -Xverify:none -
XX:MaxPermSize=384m -XX:PermSize=128m -
Dcds.jndi.provider.url=t3://10.224.67.14:7204
stsv9node3 server=v9.ntrt
stsv9node3 ListenPort=7202
stsv9node3 ListenAddress=""
stsv9node3_machine=vahdrppwls14.aac.va.gov
```

```
stsv9node3_ServerStart=-server -Xms512m -Xmx1024m -Xverify:none -
XX:MaxPermSize=384m -XX:PermSize=128m -
Dcds.jndi.provider.url=t3://10.224.67.14:7202
stsv9node4 server=v9.vuid
stsv9node4_ListenPort=7203
stsv9node4 ListenAddress=""
stsv9node4_machine=vahdrppwls14.aac.va.gov
stsv9node4 ServerStart=-server -Xms512m -Xmx1024m -Xverify:none -
XX:MaxPermSize=384m -XX:PermSize=128m -
Dcds.jndi.provider.url=t3://10.224.67.14:7203
[embeddedldap]
embeddedldap01_Credential=c2s202
[initoptions]
initoptions01 timeout=240000
initoptions01_overwriterootdir=true
####### <<<<<< JDBC SECTION STARTS HERE >>>>> ########
[jdbcsystemresource] #
                          [CreateJDBCSystemResource] + [SetJDBCDataSource]
+ [SetJDBCSystemResource]
Deployment_Name=Deployment
Deployment_Target=v9.deployment
VETS_Name=VETS
VETS_Target=v9.deployment v9.browser v9.ntrt
NTRT Name=NTRT
NTRT Target=v9.ntrt
VUID Name=VUID
VUID_Target=v9.deployment v9.vuid
[jdbcproperty] # [CreateProperty] + [SetJDBCProperty]
Deployment_user=ds_v09
Deployment_portNumber=1565
Deployment_serverName=10.224.67.201
Deployment_SID=HDRP06
VETS_user=vts_v09
VETS_portNumber=1565
VETS_serverName=10.224.67.201
VETS_SID=HDRP06
NTRT_user=ntrt_v09
NTRT_portNumber=1565
NTRT_serverName=10.224.67.201
NTRT_SID=HDRP06
VUID_user=vuid_v09
VUID_portNumber=1565
VUID_serverName=10.224.67.201
VUID_SID=HDRP06
[jdbcdriverparams] #
                        [SetJDBCDriverParams]
Deployment Password=c2s106
Deployment_Url=jdbc:oracle:thin:@10.224.67.201:1565:HDRP06
Deployment_DriverName=oracle.jdbc.OracleDriver
VETS_Password=c2s92
```

```
VETS_Url=jdbc:oracle:thin:@10.224.67.201:1565:HDRP06
VETS_DriverName=oracle.jdbc.OracleDriver
NTRT_Password=c2s145
NTRT_Url=jdbc:oracle:thin:@10.224.67.201:1565:HDRP06
NTRT_DriverName=oracle.jdbc.OracleDriver
VUID_Password=c2s79
VUID_Url=jdbc:oracle:thin:@10.224.67.201:1565:HDRP06
VUID_DriverName=oracle.jdbc.OracleDriver
```

```
[jdbcxaparams]
                  #
                      [SetJDBCXAParams]
Deployment_KeepXaConnTillTxComplete=true
Deployment_XaRetryDurationSeconds=300
Deployment_XaTransactionTimeout=120
Deployment XaSetTransactionTimeout=true
Deployment XaEndOnlyOnce=true
VETS KeepXaConnTillTxComplete=true
VETS_XaRetryDurationSeconds=300
VETS_XaTransactionTimeout=120
VETS_XaSetTransactionTimeout=true
VETS XaEndOnlyOnce=true
NTRT KeepXaConnTillTxComplete=true
NTRT XaRetryDurationSeconds=300
NTRT XaTransactionTimeout=120
NTRT XaSetTransactionTimeout=true
NTRT_XaEndOnlyOnce=true
VUID KeepXaConnTillTxComplete=true
VUID XaRetryDurationSeconds=300
VUID XaTransactionTimeout=120
VUID XaSetTransactionTimeout=true
VUID XaEndOnlyOnce=true
```

```
[jdbcdatasourceparams] # [SetJDBCDataSourceParams]
Deployment_GlobalTransactionsProtocol=TwoPhaseCommit
Deployment_JNDINames=jdbc/gov.va.med.term.deployment
VETS_GlobalTransactionsProtocol=TwoPhaseCommit
VETS_JNDINames=jdbc/gov.va.med.term.services
NTRT_GlobalTransactionsProtocol=OnePhaseCommit
NTRT_JNDINames=jdbc/gov.va.med.term.ntrt
VUID_GlobalTransactionsProtocol=TwoPhaseCommit
VUID_JNDINames=jdbc/gov.va.med.term.vuid
```

```
[jdbcconnectionpoolparams] # [SetJDBCConnectionPoolParams]
Deployment_TestConnectionsOnReserve=true
Deployment_MaxCapacity=15
Deployment_CapacityIncrement=1
Deployment_TestTableName=SQL SELECT 1 FROM DUAL
Deployment_InitialCapacity=1
VETS_TestConnectionsOnReserve=true
VETS_MaxCapacity=15
VETS_CapacityIncrement=1
VETS_TestTableName=SQL SELECT 1 FROM DUAL
VETS_InitialCapacity=1
NTRT_TestConnectionsOnReserve=true
NTRT_MaxCapacity=15
```

```
NTRT_CapacityIncrement=1
NTRT TestTableName=SQL SELECT 1 FROM DUAL
NTRT_InitialCapacity=1
VUID_TestConnectionsOnReserve=true
VUID_MaxCapacity=15
VUID_CapacityIncrement=1
VUID_TestTableName=SQL SELECT 1 FROM DUAL
VUID InitialCapacity=1
######## <<<<<< JDBC SECTION ENDS HERE >>>>> #######
######## <<<<<< JMS SECTION ENDS HERE >>>>> #######
[realm]
         # [CreateRealm]
myrealm Name=myrealm
[rolemapper] #
                  [CreateRoleMapper]
XACMLRoleMapper_Name=XACMLRoleMapper
XACMLRoleMapper_Realm=myrealm
[credentialmapper]
                    #
                        [CreateCredentialMapper]
DefaultCredentialMapper_Name=DefaultCredentialMapper
DefaultCredentialMapper_Realm=myrealm
[certpathprovider]
                    #
                         [CreateCertPathProvider]
WebLogicCertPathProvider_Name=WebLogicCertPathProvider
WebLogicCertPathProvider_Realm=myrealm
[authorizer]
             #
                  [CreateAuthorizer]
XACMLAuthorizer Name=XACMLAuthorizer
XACMLAuthorizer_Realm=myrealm
              #
[adjudicator]
                   [CreateAdjudicator]
DefaultAdjudicator_Name=DefaultAdjudicator
DefaultAdjudicator_Realm=myrealm
[authenticationprovider]
                          #
                              [CreateAuthenticationProvider] +
[SetDefaultIdentityAsserter]
DefaultAuthenticator_Name=DefaultAuthenticator
DefaultAuthenticator_Realm=myrealm
DefaultIdentityAsserter_Name=DefaultIdentityAsserter
DefaultIdentityAsserter_Realm=myrealm
DefaultIdentityAsserter_ActiveTypes=AuthenticatedUser
[CreateAuthenticationProvider]
CreateAuthenticationProvider01=myrealm DefaultAuthenticator
CreateAuthenticationProvider02=myrealm DefaultIdentityAsserter
[SetDefaultIdentityAsserter]
SetDefaultIdentityAsserter01=DefaultIdentityAsserter myrealm ActiveTypes
AuthenticatedUser
```

```
[SetSecurityConfiguration]
```

SetSecurityConfiguration01=sts.v9 NodeManagerUsername Credential NodeManagerPassword