**VAR-Resources 4.5.x - Installation Instructions**

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## Assumptions

Operations personnel is familiar with JEE applications and knows how to deploy applications. Operations personnel knows how to take backups and revert deployments if there are failures. Operations personnel knows how to procure environment-specific property values.

IP addresses are interchangeable with fully qualified domain names.

Pre-requisites:

1. APIGateway, Consul, and other PPG components.
2. Containers above must already be running in the swarm. Associated Project: veteran-appointment-requests

Priority: Standard

Components: DTR, Nexus, Consul, MongoDb, Oracle

Installation:

Jenkins Job already created at: http://URL:8080/job/var-resources-app-build/ DTR registry needs to exist at: [URL/vamis/var-resources](http://dtr.vamisece.io/vamis/var-resources)

Nexus registy'ssccs' needs to exist in: URL:9250/nexus

**Service/Application to be Deployed**

|  |  |  |
| --- | --- | --- |
| **Service** | **Branch** | **URL** |
| VarMessagingMicroservice | Release 2.0.2+17 | [https://coderepo.mobilehealth.va.gov](https://coderepo.mobilehealth.va.gov/projects/VAR/repos/var-messaging-microservice/browse?at=refs%2Fheads%2FRelease-2.0.1-Branch)  [/projects/VAR/repos/var-messaging-](https://coderepo.mobilehealth.va.gov/projects/VAR/repos/var-messaging-microservice/browse?at=refs%2Fheads%2FRelease-2.0.1-Branch) [microservice/browse?at=refs%2Fheads%](https://coderepo.mobilehealth.va.gov/projects/VAR/repos/var-messaging-microservice/browse?at=refs%2Fheads%2FRelease-2.0.1-Branch) [2FRelease-2.0.1-Branch](https://coderepo.mobilehealth.va.gov/projects/VAR/repos/var-messaging-microservice/browse?at=refs%2Fheads%2FRelease-2.0.1-Branch) |
| Facility Resources | Release 2.0.2+19 | [https://coderepo.mobilehealth.va.gov](https://coderepo.mobilehealth.va.gov/projects/VAR/repos/facility-resources/browse?at=refs%2Fheads%2FRelease-2.0.1-Branch)  [/projects/VAR/repos/facility-resources](https://coderepo.mobilehealth.va.gov/projects/VAR/repos/facility-resources/browse?at=refs%2Fheads%2FRelease-2.0.1-Branch)  [/browse?at=refs%2Fheads%2FRelease-](https://coderepo.mobilehealth.va.gov/projects/VAR/repos/facility-resources/browse?at=refs%2Fheads%2FRelease-2.0.1-Branch) [2.0.1-Branch](https://coderepo.mobilehealth.va.gov/projects/VAR/repos/facility-resources/browse?at=refs%2Fheads%2FRelease-2.0.1-Branch) |

Consul keys:

export VAMF\_ENVIRONMENT=ece-dev

export CONSUL\_HTTP\_ADDR=DNS:8500 Add the following section of code to the docker-compose.yml file:

```

var-resources: image: var-resources links:

* var-messaging-microservice depends\_on:
* var-messaging-microservice ports:

- "9092:8080"

environment:

* JAVA\_OPTS=-XX:+CMSClassUnloadingEnabled -Xrs -Dcom.sun.xml.ws.transport.http.client.HttpTransportPipe.dump=true

```

Run the following commands to register the service with Consul:

```

curl -H "X-Consul-Token: $CONSUL\_TOKEN" -s -X PUT $CONSUL\_HTTP\_ADDR:8500/v1/kv/vamf/$VAMF\_ENVIRONMENT/apigateway/1.0

/services/var-resources -d '{"location":"/var/VeteranAppointmentRequestService","service":"var-resources-8080","redirect":"off","headers":{"X- Real-IP":"$remote\_addr"}}' > /dev/null

```

This document outlines the instructions for installing the **VeteranAppointmentRequestService v4.5.x.**

|  |  |
| --- | --- |
| **Service Name** | Veteran Appointment Request Service |
| **Enclave** | Veteran Only |
| **Docker Swarm** | VarResources |
| **Java Runtime** | JRE 1.8 |

## Service and Data Source Dependencies

**VeteranAppointmentRequestSerivce v4.2.x** depends on a number of data sources and services described below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Dependency** | **Type** | **Dependency Type** | **Description** |
| MDWS v3.2.8 | Service | Runtime | Verify this service is deployed and available/accessible for Veteran Appointment Request Service. The endpoint configuration is described in the Property override section. |

|  |  |  |  |
| --- | --- | --- | --- |
| MVI | Service | Runtime | Verify this service is deployed and available/accessible for Veteran Appointment Request Service. The endpoint configuration is described in the Property override section (**mvi**  **.properties**) |
| FacilityService | Service | Runtime | Verify this service is deployed and available/accessible for Veteran Appointment Request Service. The endpoint configuration is described in the Property override section (**fac ility.properties**) |
| VarMessagingMicroservice | Service | Runtime | Verify this service is deployed and available/accessible for Veteran Appointment Request Service. The endpoint configuration is described in the Property override section (**vm m-config.properties**) |
| MongoDB | Data Source (MongoDB Database) | Runtime | Verify this data source exists and is accessible.Otherwisecreateit. |
| VARDB | Data Source (Oracle Database) | Deployment and Runtime | Verify this data source and JNDI exists. Otherwise, create it. |

## Property Overrides

**VeteranAppointmentRequestService v4.5.x** all of these properties are now stored as environment variables, please make the desired changes as follows for each component of VAR Resources.

**VeteranAppointmentRequestSerivce v4.5.x** uses **envconsul** to pull the environment variables down from consul at the path **appconfig/**

**{VAMF\_ENVIRONMENT}/var-resources** The available consul keys are listed below.

### SSL CertConfigutaion

In order to support 2-way SSLwithMVI, Mongo, and Oracle - an SSL cert needs to be importedintothekeystore. The following properties need to beaddedtoconsulinorderhave the cert automatically imported at startup.

**ssl cert configuration**

SVC\_KEY\_PKCS12=<base64 encoded key cert -- as a chain cert> SVC\_KEY\_PKCS12\_PWD=<the password of the cert> SVC\_KEYSTORE\_PWD=<the keystore password>

**VARDB Data Source Configuration**

**vardb environment variables**

vardb\_dialect=org.hibernate.dialect.Oracle10gDialect vardb\_driverClassName=oracle.jdbc.OracleDriver vardb\_url=jdbc:oracle:thin:@<oracle\_ip/hostname>:<oracle\_port>:<sid> vardb\_user=<username>

vardb\_password=<password>

**MDWS Configuration**

**mdws environment variables**

scheduling.endBasePointUrl=<MDWS end base point URL> scheduling.endPointUrl=SchedulingSvc.asmx

CDW Data Source Configuration

**cdw environment variables**

cdw\_dialect=org.hibernate.dialect.SQLServer2008Dialect cdw\_driverClassName=net.sourceforge.jtds.jdbc.Driver cdw\_url=[jdbc:jtds:sqlserver](http://jdbcjtdssqlserver/)://<cdw\_ip/hostname>:<cdw\_port> cdw\_user=<username>

cdw\_password=<password>

**MVIConfiguration**

MVIuses2-way SSL. Please make sure to exchange the certificates between MVIandServer hosted with the **VeteranAppointmentRequestSerivc e v4.5.x**. The SSL configuration is only needed in Pre-Prod and Production as of Jun 2017.

**mvi environment variables**

mock.mvi=false # should stay false; true is reserved for development mvi.endPointUrl=<mvi web service URL>

**MongoDB Configuration**

**mongo environment variables**

#IP addresses are interchangeable with fully qualified domain names.

mongo.host=<Comma separated MongoNodeIP/[hostname:port](http://hostnameport/)> //Example: For replica sets, mongo.host should be set as mongo1:port1,mongo2:port2,mongo3:port3

mongo.user=<var service-specific account> (See PMDS ticket for this service) mongo.secretkey=<password>

mongo.database.name=var-utility mongo.ssl=true mongo.useAuthentication=true

**Facility Timezone Configuration**

**facility environment variables**

facility.timezone.fetch.all.uri=<environment-address>/FacilityService/v2/rest/public/facility/timezone facility.timezone.fetch.by.id.uri=<environment-address>/FacilityService/v2/rest/public/facility/

{facility-id}/timezone

**Var Api Keys Configuration**

**var api keys environment variables**

apiKeys=googleApiKey:

<myGoogleApiKey>

MoreapiKeys can be added to this configuration through the same line.

apiKeys=googleApiKey:<myGoogleApi Key>,testkey:testValue

### Recall Reminders Configuration

**recall-reminders environment variables**

# run at 6:00am every day batch.recall.reminders.cron.expression=0 0 6 \* \* \*

vmm.token.uri=<var-messaging-microservice host>/VarMessaging/v2/rest/api/auth vmm.post.recall.reminder.uri=<var-messaging-microservice host>/VarMessaging/v2/rest/api/message recall.num.days = 45

var.secret=VARSECRET

recall.reminder.email.subject=It is time to schedule a Follow-Up Appointment at <Clinic Name> recall.reminder.email.body=\

<p>Your provider has requested that you schedule a follow up appointment around <recall date>. Please

contact the facility below to make an appointment:</p>\

<p>\

<Facility Name>\

<br /><Clinic Name>\

<br /><Clinic location friendly name>\

<br /><Provider Name>\

</p>\

<p><a href="[https://www.va.gov/directory/guide/division.asp?dnum=1"](https://www.va.gov/directory/guide/division.asp?dnum=1)>View VA Facilities</a></p>\

<p>Your VA Healthcare Team</p>\

vmm.inapp.notification.fetch.uri=<var-messaging-microservice host>/VarMessaging/v2/rest/api/inApp/

{assigningAuthority}/{uniqueId}

vmm.inapp.notification.mark.read=<var-messaging-microservice host>/VarMessaging/v2/rest/api/inApp/

{messageIdentifer}/read

vmm.inapp.notification.delete.uri=<var-messaging-microservice host>/VarMessaging/v2/rest/api/inApp/

{messageIdentifer}

**Versions before 4.2**

Please see these pages for VAR 4.x installation instructions before version 4.2: [VAR 4.0](https://wiki.mobilehealth.va.gov/display/ARA/VAR%2BResources%2B4.0.0%2B-%2BInstallation%2BInstructions), [VAR 4.1.1](https://wiki.mobilehealth.va.gov/display/ARA/VAR%2BResources%2B4.1.1%2B-%2BInstallation%2BInstructions), [VAR 4.1.2](https://wiki.mobilehealth.va.gov/display/ARA/VAR%2BResources%2B4.1.2%2B-%2BInstallation%2BInstructions), [VAR 4.1.4](https://wiki.mobilehealth.va.gov/display/ARA/VAR%2BResources%2B4.1.4%2B-%2BInstallation%2BInstructions)

## Version VAR 4.2

### Enable Primary Care direct scheduling

Use mongo shell to enable direct scheduling of Primary Care appointments. In VAR version 4.2.4 and VAR Utility version 2.1.1, Primary Care direct scheduling is no longer enabled by default, but requires explicit configuration for sites which support it. The script below will ensure that Primary Care direct scheduling remains enabled for those facilities which do not already have this setting applied. Refer to MongoDB documentation for syntax of the command to execute a script against the the var-utility database specified. A sample partial command is provided below. Please issue the complete command for the environment being installed.

**mongo --ssl -u <*username*> -p <*password*> --authenticationDatabase <*authentication database*> var-utility set- primary-care-support.js**

Download the the script**:** [**set-primary-care-support.js**](https://wiki.mobilehealth.va.gov/download/attachments/78681407/set-primary-care-support.js?version=1&amp;modificationDate=1531489654000&amp;api=v2)

### Community Care

#### Import Community Care Types of Care (if it has not been done)

Use **mongoimport** utility to import the list of Types of Care into the MongDB instance configured above. Import data into the **communityCareTy peOfCares** collection in the **var-utility** database. Refer to MongoDBdocumentationforsyntax of the command toimportajson file into the designated collection in the designated database. A sample partial command is provided below. Please issue the complete command for the environment being installed.

**mongoimport --ssl --db var-utility --collection communityCareTypeOfCares --drop --jsonArray --file <communi ty-care-type-of-cares.json> -u <*username*> -p <*password*> --authenticationDatabase <*authentication database*>**

**community-care-types-of-care.json**

[

{

"\_id" : "CCAUDHEAR",

"name" : "Audiology (hearing aid support)",

"details" : "This is an office visit for Veterans who already have

a hearing aid and who need assistance with the device. This visit is for trouble shooting or adjusting your hearing aid for best performance. This may include technical adjustments, cleaning, and/or reprogramming for new listening situations and environments. This is not a visit to initially be evaluated for or to obtain a hearing aid.",

"confirmation" : "This request is for hearing aid support only. If you have other needs, please contact your Primary Care Provider to discuss the issue. If you are distance eligible and do not have a Primary Care Provider, you can use this app to request help in getting one assigned."

},

{

"\_id" : "CCAUDRTNE",

"name" : "Audiology (routine hearing exam)",

"details" : "This includes an office visit for a hearing exam and evaluation using non-invasive tests to check your hearing and inner ear health. The exam may lead to prevention and treatment recommendations, a request for further consultation, and/or a recommendation for hearing aids. A routine exam is not for any new or sudden changes with your hearing or ears.",

"confirmation" : "This request is for routine hearing exam only.

If you have other needs, please contact your Primary Care Provider to discuss the issue. If you are distance eligible and do not have a Primary Care Provider, you can use this app to request help in getting one assigned."

},

{

"\_id" : "CCOPT",

"name" : "Optometry (routine eye exam)",

"details" : "This includes an office visit for an eye exam and vision evaluation, which may include dilating your eyes. The exam may lead to prevention and treatment recommendations, a request for further

consultation, and/or a prescription for eye glasses or contact lenses. A routine exam is not for any new or sudden changes with your vision or eyes.",

"confirmation" : "This request currently only supports routine eye exams. If you have other needs, please contact your Primary Care Provider to discuss the issue. If you are distance eligible and do not have a Primary Care Provider, you can use this app to request help in getting one assigned."

},

{

"\_id":"CCPCPRVDR",

"name":"Primary Care (find a provider)",

"details":"If approved, you'll be assigned to a primary care provider in the community to whom we will send the approved referral. If you have a preference on a Primary Care Provider, please contact your local VA Medical Center (VAMC). Once assigned, you will be provided information and will need to contact the provider’s office directly for preventive and other health care needs for the duration of the approved referral.",

"confirmation":"This request currently only supports the finding of a Primary Care Provider. If you have other needs, please contact your Primary Care Provider to discuss this issue. If you are distance eligible and do not have a Primary Care Provider, you can use this app to request help in getting one assigned."

},

{

"\_id":"CCPOD",

"name":"Podiatry (routine exam)",

"details":"This includes an office visit for an exam of the foot, ankle and related structures of the leg. The exam may lead to diagnosis and treatment to include common conditions like callous, bunions, and other conditions requiring in office treatment, orthotics, and possibly the need for surgery. If you are experiencing any acute conditions or sudden onset of pain, break in the skin with possible infection, please contact your local VAMC.",

"confirmation":"This request currently only supports routine podiatry exams. If you have other needs, please contact your Primary Care Provider to discuss this issue. If you are distance eligible and do not have a Primary Care Provider, you can use this app to request help in getting one assigned."

}

]

**Create Community Care Appointment Request (if it has not been done)**

Run the following SQL script on **VARDB** schema.

**VAR-9277.sql**

CREATE TABLE "VARDB"."CC\_APPOINTMENT\_REQUEST" (

"CC\_APPOINTMENT\_REQUEST\_ID" VARCHAR2(32 BYTE) NOT NULL ENABLE, "APPOINTMENT\_REQUEST\_ID" VARCHAR2(32 BYTE) NOT NULL ENABLE, "TRAVEL\_BURDEN" NUMBER NOT NULL ENABLE, "UNUSUAL\_TRAVEL\_BURDEN" NUMBER,

"DISTANCE\_WILLING\_TO\_TRAVEL" NUMBER NOT NULL ENABLE, "ADDRESS" VARCHAR2(100 BYTE),

"CITY" VARCHAR2(50 BYTE), "STATE" VARCHAR2(2 BYTE), "ZIPCODE" VARCHAR2(5 BYTE),

"PREFERRED\_ZIPCODE" VARCHAR2(5 BYTE) NOT NULL ENABLE

);

#### Create Preferred Provider (if it has not been done)

Run the following SQL script on **VARDB** schema.

**create preferred provider**

##### --------------------------------------------------------

-- DDL for Table PREFERRED\_PROVIDER

--------------------------------------------------------

CREATE TABLE "VARDB"."PREFERRED\_PROVIDER"

( "PREFERRED\_PROVIDER\_ID" VARCHAR2(32 BYTE), "CC\_APPOINTMENT\_REQUEST\_ID" VARCHAR2(32 BYTE), "FIRST\_NAME" VARCHAR2(100 BYTE),

"LAST\_NAME" VARCHAR2(100 BYTE), "PRACTICE\_NAME" VARCHAR2(100 BYTE), "PROVIDER\_STREET" VARCHAR2(100 BYTE), "PROVIDER\_CITY" VARCHAR2(100 BYTE), "PROVIDER\_STATE" VARCHAR2(2 BYTE), "PROVIDER\_ZIPCODE" VARCHAR2(10 BYTE), "PREFERRED\_ORDER" NUMBER NOT NULL

);

--------------------------------------------------------

-- DDL for Index PK\_PREFERRED\_PROVIDER

--------------------------------------------------------

CREATE UNIQUE INDEX "VARDB"."PK\_PREFERRED\_PROVIDER" ON "VARDB"." PREFERRED\_PROVIDER" ("PREFERRED\_PROVIDER\_ID") ;

--------------------------------------------------------

-- Constraints for Table PREFERRED\_PROVIDER

--------------------------------------------------------

ALTER TABLE "VARDB"."PREFERRED\_PROVIDER" ADD CONSTRAINT "PK\_PREFERRED\_PROVIDER" PRIMARY KEY ("PREFERRED\_PROVIDER\_ID");

--------------------------------------------------------

-- Ref Constraints for Table PREFERRED\_PROVIDER

--------------------------------------------------------

ALTER TABLE "VARDB"."PREFERRED\_PROVIDER" ADD CONSTRAINT "FK\_PREFERRED\_PROVIDER" FOREIGN KEY ("CC\_APPOINTMENT\_REQUEST\_ID")

REFERENCES "VARDB"."CC\_APPOINTMENT\_REQUEST" ("CC\_APPOINTMENT\_REQUEST\_ID") ENABLE;

**Create Office Hours (if it has not been done)**

Run the following SQL script on **VARDB** schema.

**office hours**

CREATE TABLE "VARDB"."OFFICE\_HOURS" (

"CC\_APPOINTMENT\_REQUEST\_ID" VARCHAR2(32 BYTE), "OFFICE\_TIME" VARCHAR2(40 BYTE)

);

CREATE UNIQUE INDEX "VARDB"."PK\_OFFICE\_TIME" ON "VARDB"."OFFICE\_HOURS" ("CC\_APPOINTMENT\_REQUEST\_ID", "OFFICE\_TIME");

#### Update Community Care Appointment Request in Oracle DB (if it has not been done)

**Run the following SQL script on VARDB schema.**

**vardb\_added\_col\_known\_eligibility.sql**

ALTER TABLE CC\_APPOINTMENT\_REQUEST MODIFY (

TRAVEL\_BURDEN NULL

);

ALTER TABLE CC\_APPOINTMENT\_REQUEST ADD (

DISTANCE\_ELIGIBLE NUMBER

);

UPDATE CC\_APPOINTMENT\_REQUEST SET DISTANCE\_ELIGIBLE = 0;

ALTER TABLE CC\_APPOINTMENT\_REQUEST MODIFY (

DISTANCE\_ELIGIBLE NOT NULL

);

**Update Appointment Request in Oracle DB (if it has not been done)**

**Run the following SQL script on VARDB schema.**

**SCV-2857.sql**

ALTER TABLE VARDB.APPOINTMENT\_REQUEST ADD (

LOCATION\_ID VARCHAR2(100), AUTHORITATIVE\_NAME VARCHAR2(255), FRIENDLY\_NAME VARCHAR2(255)

); COMMIT;

**Update Appointment Request in Oracle DB (if it has not been done)**

**Run the following SQL script on VARDB schema.**

ALTER TABLE VARDB.APPOINTMENT\_REQUEST DROP COLUMN LOCATION\_ID;

ALTER TABLE VARDB.APPOINTMENT\_REQUEST DROP COLUMN AUTHORITATIVE\_NAME;

-- Make sure the primary key is set to the facility code. Previously it was the name.

ALTER TABLE VARDB.FACILITY DROP CONSTRAINT PK\_FACILITY; DROP INDEX VARDB.PK\_FACILITY;

ALTER TABLE VARDB.FACILITY ADD CONSTRAINT PK\_FACILITY PRIMARY KEY (FACILITY\_CODE);

**Update**

**Community Care Appointment**

**Request**

**in Oracle DB**

**(if it has not been done)**

**Run the following SQL script on VARDB schema.**

**add preferred column to cc appointment table**

ALTER TABLE VARDB.CC\_APPOINTMENT\_REQUEST

ADD (PREFERRED\_CITY VARCHAR2(50 BYTE) DEFAULT '' NOT NULL); ALTER TABLE VARDB.CC\_APPOINTMENT\_REQUEST

ADD (PREFERRED\_STATE VARCHAR2(2 BYTE) DEFAULT '' NOT NULL);

ALTER TABLE VARDB.CC\_APPOINTMENT\_REQUEST

ADD (PREFERRED\_LANGUAGE VARCHAR2(100 BYTE) DEFAULT 'English' NOT NULL);

ALTER TABLE VARDB.CC\_APPOINTMENT\_REQUEST

MODIFY (PREFERRED\_ZIPCODE VARCHAR2(10 BYTE) NULL);

ALTER TABLE VARDB.CC\_APPOINTMENT\_REQUEST

RENAME COLUMN "DISTANCE\_WILLING\_TO\_TRAVEL" TO "DISTANCE\_TRAVEL\_LEGACY";

ALTER TABLE VARDB.CC\_APPOINTMENT\_REQUEST

ADD (DISTANCE\_WILLING\_TO\_TRAVEL VARCHAR2(50 BYTE) DEFAULT '' NOT NULL);

UPDATE VARDB.CC\_APPOINTMENT\_REQUEST

SET DISTANCE\_WILLING\_TO\_TRAVEL=to\_char(DISTANCE\_TRAVEL\_LEGACY);

commit;

ALTER table VARDB.CC\_APPOINTMENT\_REQUEST DROP (DISTANCE\_TRAVEL\_LEGACY);

**Version VAR 4.3**

**Installation**

No changes required.

### Rollback Procedure (to version 4.2.9)

Remove the Docker container and follow the Install Instructions for version 4.2.9.

## Version VAR 4.4

### Installation

* 1. **Oracle**
     1. Run the following SQL script on VARDB schema.

UPDATE VARDB.DETAIL\_CODE

SET VETERAN\_MESSAGE='The appointment type you requested is not available for online scheduling requests. VA will contact you to schedule an appointment. If VA has not contacted you within 24 hours, please contact your facility.'

WHERE DETAIL\_CODE\_ID='DETCODE21'; COMMIT;

### Rollback Procedure (to version 4.3)

1. **Oracle**
   1. Run the following SQL script on VARDB schema.

UPDATE VARDB.DETAIL\_CODE

SET VETERAN\_MESSAGE='The appointment type you requested is not available for online scheduling requests. Please contact your facility if you still need to schedule this appointment.' WHERE DETAIL\_CODE\_ID='DETCODE21';

COMMIT;

* 1. Remove the Docker container and follow the Install Instructions for version 4.3

## Version VAR 4.5

### Installation

No changes required.

### Rollback Procedure (to version 4.4)

Remove the Docker container and follow the Install Instructions for version 4.4.

## Disabling Features

**VeteranAppointmentRequestService** has the ability to disable features based on feature set. This release includes Community Care features as well as Telehealth features, disabled by default. This is controlled by a properties file:

var-disabled-features.properties and the property disabledFeatures.disabledFeatures. The default setting is below:

**var-disabled-features.properties**

#disabled features for var disabledFeatures.disabledFeatures=CC\_FEATURE\_SET,TH\_FEATURE\_SET

To enable specific features, the feature set flag entry must be removed from the comma-separated list (the flags can be in any order):

#example: disables both Community Care features and Telehealth features for VAR disabledFeatures.disabledFeatures='TH\_FEATURE\_SET,CC\_FEATURE\_SET'

#example: enables just Community Care features for VAR disabledFeatures.disabledFeatures='TH\_FEATURE\_SET'

#example: enables just Telehealth features for VAR disabledFeatures.disabledFeatures='CC\_FEATURE\_SET'

#example: enables all optionally configurable features for VAR disabledFeatures.disabledFeatures=''

# CDW Check List

Ensure that the **CDW** instance connected to this installation has the correct version of the following stored procedures and functions:

1. **OIA\_MobileHealth.App.ap\_GetPtActiveTeamsMembers\_v4**
2. **OIA\_MobileHealth.App.ap\_GetPtActiveTeamsClinics\_v5**
3. **OIA\_MobileHealth.App.ap\_GetActiveClinics\_v3**
4. **OIA\_MobileHealth.App.fn\_VAR\_BuildStopcodeTable**
5. **OIA\_MobileHealth.App.ap\_ApptRecallRemindersByDate\_v1**
6. **OIA\_MobileHealth.App.ap\_GetChildFacilities\_v1**

**Important Note About Recall Reminders**

**VAR Resources 4.x** is configured with the Recall Reminder cron job turned on by default. This means that every Docker container deployed will run the job and duplicate Recall Reminders will go out. To remediate this issue, it is advised that VAR Resources only be deployed on a single Docker container, until the worker service can bedeployedtoit's own container. In the event that more VAR Resources Docker containers are needed for load balancing, be sure to turn off the cron job by setting the time to run to the past:

**recall-reminders.properties (or via Consul)**

batch.recall.reminders.cron.expression=0 0 6 \* \* \* 2016

**AppDynamics Configuration**

Taken from [DRAFT - How to integrate AppDynamics agent with Tomca](https://wiki.mobilehealth.va.gov/display/%7Esmithm3/DRAFT%2B-%2BHow%2Bto%2Bintegrate%2BAppDynamics%2Bagent%2Bwith%2BTomcat)

1. **Modify your app's docker-compose.yml with Environment Variables for Consul**

Add CONSUL\_\* Variables to Environment

This image requires the envrionment variable CONSUL\_APPDYNAMICS\_PATH, CONSUL\_SERVER, CONSUL\_TOKEN, and CONSUL\_PATH to be set. Please add the following as an environment variables in the service's docker-compose.yml:

environment:

* "CONSUL\_SERVER=${CONSUL\_HTTP\_ADDR}"
* "CONSUL\_TOKEN=${CONSUL\_MASTER\_TOKEN}"
* "CONSUL\_PATH=appconfig/${VAMF\_ENVIRONMENT}/var-resources"
* "CONSUL\_APPDYNAMICS\_PATH=appconfig/${VAMF\_ENVIRONMENT}/appdynamics

1. **Set CONSUL\_PATH key/values**

Consul is used to set properties for the AppDynamics Agent. Please set the following values in the applications Consul path. appconfig

/${VAMF\_ENVIRONMENT}/var-resources/\* APPDYNAMICS\_MONITORING\_ENABLED APPDYNAMICS\_APPLICATION\_NAME

APPDYNAMICS\_NODE\_PREFIX

1. **Enable AppDynamics Agent**

Consul is used to enable/disable AppDynamics Agent.

**Set APPDYNAMICS\_MONITORING\_ENABLED in application's Consul path**

set APPDYNAMICS\_MONITORING\_ENABLED to true in the application's Consul config to enable AppDynamics Agent. appconfig/${VAMF\_ENVIRONMENT}/<YOUR\_APP>/APPDYNAMICS\_MONITORING\_ENABLED=true

**Set APPDYNAMICS\_APPLICATION\_NAME in application's Consul path (*required if APPDYNAMICS\_MONITORING\_ENABLED=true)***

set APPDYNAMICS\_APPLICATION\_NAME to the application name in the application's Consul config.

appconfig/${VAMF\_ENVIRONMENT}/var-resources/APPDYNAMICS\_APPLICATION\_NAME="VAMF <VAMF\_ENVIRONMENT> var- resources"

**Set APPDYNAMICS\_NODE\_PREFIX in application's Consul path(*required if APPDYNAMICS\_MONITORING\_ENABLED=true)*** set APPDYNAMICS\_NODE\_PREFIX to the application node prefix in the application's Consul config. appconfig/${VAMF\_ENVIRONMENT}/<YOUR\_APP>/APPDYNAMICS\_NODE\_PREFIX=var-resources

1. **Set CONSUL\_APPDYNAMICS\_PATH key/values (GLOBAL) (if APPDYNAMICS\_MONITORING\_ENABLED=true):**

Consul is used to set properties for the AppDynamics Agent. Please ensure the following values are set in the "**appdynamics**" Consul path. These are set once for all apps.

appconfig/${VAMF\_ENVIRONMENT}/appdynamics/\* CONTROLLER\_HOST

ACCOUNT\_NAME ACCOUNT\_ACCESS\_KEY

**Deployment**

**VeteranAppointmentRequestSerivce v4.5.x** is a standard VAMF web service that has been developed and tested on the ECE enviornment. After verifying the dependencies and property configuration, build the docker image from the **JENKINS Location** from the VDD page on the Docker Container.

Consul keys:

export VAMF\_ENVIRONMENT=ece-dev

export MONGO\_USER=<ops provided username> export MONGO\_PASS=<ops provided password>

export MONGO\_HOST=mongo-di-n5.mobilehealth.va.gov export CONSUL\_HTTP\_ADDR=vhaecedevucp04.vamisece.io:8500

curl -H "X-Consul-Token: $CONSUL\_TOKEN" -s -X PUT $CONSUL\_HTTP\_ADDR/v1/kv/vamf/$VAMF\_ENVIRONMENT

/apigateway/1.0/services/var-resources -d '{"location":"/var/VeteranAppointmentRequestService"," service":"var-resources","redirect":"off","headers":{"X-Real-IP":"$remote\_addr"}}'

## Validation

Ensure that **https://<environment-address>/var/VeteranAppointmentRequestService** returns "**Welcome to VeteranAppointmentRequestService**" with the correct manifest.

## Rollback Procedure (v4.3.0+87 to v4.2.9+86)

### Mongo Rollback

Drop the **communityCareTypeOfCares** collection in the **var-utility** database. A command is provided below after being authenticated with mongo.

**db.communityCareTypeOfCares.drop();**

Drop the CC\_APPOINTMENT\_REQUEST table in **VARDB** schema.

**Drop CC\_APPOINTMENT\_REQUEST**

DROP TABLE CC\_APPOINTMENT\_REQUEST;

For rolling back changes to the VAR\_APPOINTMENT\_REQUEST table in **VARDB** schema, you can either logically delete the columns or physically delete.

**Logical Delete**

ALTER TABLE table\_name SET UNUSED (LOCATION\_ID, AUTHORITATIVE\_NAME, FRIENDLY\_NAME); COMMIT;

**Physical Delete**

ALTER TABLE table\_name DROP (LOCATION\_ID, AUTHORITATIVE\_NAME, FRIENDLY\_NAME); COMMIT;

Remove the Docker container and follow the Install Instructions for version 4.2.x, which is the version currently installed and operational in production.

## PMDS Ticket Tracker

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Version** | **Link to Section in Install Instsructions** | **Summary** | **Ticket Link - Devint** | **Ticket Link - SQA** | **Ticket Link - Pre- Prod** | **Ticket Link - Prod** |
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