HCLSoftware

Cloud Native Unica V12.1.8 Implementation Guide for Red Hat JBoss Enterprise Application Platform

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Chapter 1. Helm chart configuration

Before you start the installation or upgrade of Cloud Native Unica, you should configure the appropriate `configMap` `YAML` files.

To access the `configMap` `YAML` files, navigate to `/unica/templates/` in the Unica charts folder. Open one of the following files and modify the paramaters in that file:

- `common-configMap.yaml`. For more information, see Common configurations on page 6.
- `audiencecentral-configMap.yaml`. For more information, see Audience Central configurations on page 11 .
- `campaign-configMap.yaml`. For more information, see Campaign configurations on page 13.
- `offer-configMap.yaml`. For more information, see Centralized Offer Management configurations on page 19.
- `collaborate-configMap.yaml`. For more information, see Collaborate configurations on page 19.
- `assetpicker-configMap.yaml`. For more information, see Content Integration configurations on page 24.
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Chapter 2. FAQs and troubleshooting

This section covers the frequently asked questions and troubleshooting issues.

To view the list of FAQs, see Frequently Asked Questions on page 2

For information related to Troubleshooting, see Troubleshooting Issues on page 4

Frequently Asked Questions

This topic contains the list of FAQs related to Cloud Native Unica release.

The list of FAQs are as follows:

Question 1

How do I configure Campaign Docker image to support non-ASCII data?

To configure non-ASCII data support for the Campaign Docker image, execute the same steps used for configuring non-ASCII data support on on-premises Campaign. For more details, see the topic **Non-ASCII data in Campaign** in the *Unica Campaign Administrator's Guide*.

Question 2

How to install products on locations other than default location mentioned in the `common-configMap.yaml` file?

About this task

To install products on location other than the default location configured in the `common-configMap.yaml` file, complete the following steps.

1. Mount the directory.
2. Open the `common-configMap.yaml` file and update the default path to the required path.
3. Ensure that the `JDBCDrivers` folder and the `JBOSS.zip` file exists in the provided path.

Question 3

Why has Cloud Native Unica installed `JRE9` and `JDK8` on my system?

Cloud Native Unica is bundled with `JRE9` and `JRE8`. In the `common-configMap.yaml` file:

- Provide the path of `JRE9` for the parameter **DOCKER_JAVA_HOME**. Cloud Native Unica uses `JRE9` for installation tasks.
- Provide the path of `JDK8` for the parameter **JAVA_HOME**. The products of Unica use `JDK8`.

Question 4

Should the passwords in the `jdbc.properties` file be encrypted?

Yes. The passwords in the `jdbc.properties` file should be encrypted. Configure the passwords using the helm commands similar to configuring the host name. You do not have to store the passwords anywhere for reuse. Once you configure the passwords, it will be set in the application.

For Cloud Native Unica, the `jdbc.properties` file is available in the following locations:

- `/Interact/PatternStateETL/bin/jdbc.properties`
- `/Interact/tools/bin/jdbc.properties`
- `/ContactOptimization/install/jdbc.properties`
- `/Platform/tools/bin/jdbc.properties`
- `/install/jdbc.properties`
- `/Campaign/bin/jdbc.properties`
- `/Campaign/eMessage/conf/jdbc.properties`
- `/Campaign/install/jdbc.properties`

Question 5

List the default `JDBC` drivers provided with the Listener container.

On the Listener container, the `JDBC` drivers exist in the following path: `Docker_Home/JdbcDrivers/`. The list of default `JDBC` drivers available with the Listener container are as follows:

- `db2jcc4.jar`
- `mariadb-java-client-2.4.1.jar`
- `ojdbc8_docker.jar`

Question 6

What should I do to make `/ACOOptAdmin.sh` work?

For `/ACOOptAdmin.sh` to work, update the following parameters in the `/ACOOptAdmin.sh` file:

- `JAVA_HOME`
- `OPTIMIZE_HOME`
- `JDBCDRIVER_CLASSPATH`

Use the `-async` option while running `ACOOptAdmin` utility on Cloud Native Unica environments.

Using the `-async` utility triggers the desired operation on an Optimize session in the background before exiting.

Example: `./ACOOptAdmin.sh -u "user_name" -p "password" -sn "OptimizeSessionName" -async`

Note: Not using `-async` may trigger an Optimize session run, but the polling, related to the session run progress, will fail.

Question 7

How are the Security Vulnerabilities are fixed?

Answer

- Unica fixes security vulnerabilities with the every new release.
- Upon request, interim fixes are also provided with new set of docker images.

Troubleshooting Issues

This topic contains the list of Troubleshooting issues related to Cloud Native Unica release.

The list of FAQs are as follows:

Question 1

Stopping and Restarting an Application Server

About this task

Sometimes, you might have to stop and restart the application server. For example, if you have modified some settings and these modified settings require restarting the application server.

Before stopping and restarting JBoss, complete the following steps.

a. Save your work and confirm that all users have logged off.
b. Locate the running docker container using the command kubectl get pods.
c. Access the container using the command kubectl exec -it <name of the container> bash.
d. Locate the running process using the command ps -ef.
e. Kill the process using the command kill -9. This stops the JBoss server.
f. **Note:** Always start the server in the background. If you do not start the server in the background, you cannot access the command prompt till the server starts. If the server takes too long to start, press CTRL+C to terminate the JBoss server.

   To restart the server, access the bin directory of JBoss and start the server by running the command standalone.sh in the background.
g. To exit the docker container, press CTRL+D.

Question 2

Cannot select supported locales for Plan.

When installing Plan using Cloud Native Unica, you cannot select specific supported locales from the available list of supported locales. The system will automatically accept all available locales as the supported locales.

Question 3

`ActiveMQ URL` does not work.

The `ActiveMQ URL`, `http://unica-omnix-unica-activemq:8161/admin/queues.jsp`, which provides information about the flowchartInfo-campaign events count, will not work. This is a Known Issue and will be fixed in the next release.

Chapter 3. Appendix: Description of Helm chart parameters

The following topics contain description of the parameters present in the `configMap` YAML files:

Common configurations

To configure the common configurations, make the necessary modifications to the `common-configMap.yaml` file.

To access the `common-configMap.yaml` file, navigate to `/unica/templates/` in the Unica charts folder. Open the file and make modifications to the following parameters:

Table 1. Data Parameters

Parameter name	Parameter description
WAIT_TIME	Idle wait time in minutes.
VERSION	Version number of Unica.
HOME_DIR	Home directory of Cloud Native Unica.
JAVA_HOME	The location of Java Development Kit on the system.
CERTIFICATE_IMPORT_DIR	The location of the Unica certificates.
TYPE	Specify if it is a new installation or an upgrade. Valid values are `INSTALL` or `UPGRADE`.
APPLICATION_DOMAIN	The application domain.
HOST	Host ID of the Docker host.
HOST_NAME	Host name of the Docker host.
DEFAULT_LOCALE	The default locale to be used.
DOCKER_JAVA_HOME	The path of the Docker Java Home.
DIRECTOR_JAVA_HOME	The path of JDK1.8.
JRE_HOME	The path of the Docker Java Runtime Environment.
MODE	Specify the products that you will install on the Cloud Native Unica environment. The abbreviated values for each product are as follows: • Platform – `PLT` • Campaign – `CMP` • Optimize – `OPT` • Director – `DIR` • Plan – `PLN` • Interact – `INT`

Table 1. Data Parameters (continued)

Parameter name	Parameter description

	• Centralized Offer Management - `OFFER`
	• Insights Reports - `BIRT`
	
	If you want to install all products you should provide the value as follows:
	`PLT_CMP_INT_PLN_OPT_DIR`
	If your database is MariaDB, Director will not work on MariaDB. In this case, you must provide the following value:
	`PLT_CMP_INT_PLN_OPT`

SERVER_TYPE	The application server installed.
IS_UNICODE	Set `TRUE` if Unica is installed to support Unicode. Set `FALSE` if Unica is installed without support for Unicode
PROTOCOL	The protocol used. For example, `HTTP` or `HTTPS`.
UPGRADE_FROM_TO	`11.1+To12.1`
AC_VERSION	`"12.1.x"`
ACI_UNICODE	`"No"`
CONFIGURE_ON_ERROR_PROMPT	`"Yes"`

Table 2. Miscellaneous Parameters

Parameter name	Parameter description
SOURCE_SCHEMA	`"CAMP86"`
TARGET_SCHEMA	`"DBO"`
DB_DRIVER_CLASS	`com.microsoft.sqlserver.jdbc.SQLServerDriver`
DB_HOST_NAME	The host name of the database system.
DB_PORT	The port number of the database system.
DB_PLAN_HOST	The host details of the database in the Plan system.
DB_PLAN_PORT	The database port number of the Plan system.
DB_PLAN_HOST_NAME	The database host name of the Plan system.
DB_DRIVER	The database driver file name.
DB_ROOT_USER	The database root username.

Table 2. Miscellaneous Parameters (continued)

Parameter name	Parameter description
DB_ROOT_PASSWORD	The database root password.
WLS_DB_USER_NAME	WebLogic database username.
WLS_DB_PASSWORD	WebLogic database password.
DB_TYPE	The name of the database used in the system. For example, `Oracle`.
DB_TYPE_UTILS	The name of the database utilities used in the system. For example, `Oracle`.
REPLACE_CONNECTION_URL_PREFIX	The prefix used when forming a URL to the database. Each database has a different prefix. For example, the Oracle database prefix is `jdbc:oracle:thin`.
DIALECT	The Hibernate dialect. Each database has a different dialect. For example, the Oracle database dialect is `org.hibernate.dialect.Oracle10gDialect`.
DB_DRIVER_CLASS	The class name of the database drivers.
REPLACE_CONNECTION_URL_PREFIX	The prefix used when forming a URL to the database. Each database has a different prefix. For example, the Oracle database prefix is `jdbc:oracle:thin`.
JDBC_DRIVER_JAR_LOCATION	The location of the JDBC driver JAR file.
DB_DRIVER_JAR	The location of the database driver JAR file.
MYSQL_ROOT_PASSWORD	The root password for MYSQL.
ORACLE_OWNER	Oracle owner details.
ORACLE_SID	Oracle SID details.
REPLACE_JDBC_DRIVER_JAR	Name of the JDBC driver jar file. This name is also used in replacements in `modules/jdbcmodule/main/module.xml` (name of the JDBC jar).
MDB_ENCODING	The encoding format used for MariaDB.
MDB_COLLATION	Valid values are `utf8_general_ci` and `utf8_unicode_ci`.
MAX_CONNECTIONS	The maximum concurrent connections supported.
IS_BASEVERSION_INSTALLED	Set to `TRUE` if the base version of Unica is installed during a Docker to Docker upgrade.

Table 2. Miscellaneous Parameters (continued)

Parameter name	Parameter description
INSTALLATION_FLAG_CHECK_DIR	Directory path for installation flag files, used to determine if a specific version of Unica is already installed.
TARGET_VERSIONS	Comma-separated list of target versions of Unica to be installed (**Example**: `12.1.4,12.1.5,12.1.6,12.1.7,12.1.8`).
ENABLE_LISTENER_FS_TO_PV	Set to TRUE to copy the listener file system (FS) to the persistent volume (PV), or FALSE to copy it to /opt inside the container.
IMPORT_DB2_USER_DB	Set to TRUE to import the user database for DB2.
IMPORT_NETEZZA_USER_DB	Set to TRUE to import the user database for Netezza.
IMPORT_ORACLE_USER_DB	Set to TRUE to import the user database for Oracle.

If the JDBC URL contains additional properties, please use the parameters mentioned in the Table 3: JDBC Parameters on page 9 table using the format provided in the following example:

```
jdbc:sqlserver://localhost;databaseName=AdventureWorks;MultiSubnetFailover=true;
```

Table 3. JDBC Parameters

Parameter name	Parameter description
JDBC_URL_PROD	JDBC URL of the Prod datasource of Interact.You can provide custom JDBC URL with JDBC properties.
JDBC_URL_TEST	JDBC URL of the Prod datasource of Test.You can provide custom JDBC URL with JDBC properties.
JDBC_URL_LRN	JDBC URL of the Prod datasource of learning.You can provide custom JDBC URL with JDBC properties.
JDBC_URL_INT05	JDBC URL of the Prod datasource of Interact.You can provide custom JDBC URL with JDBC properties.
JDBC_URL_INT	JDBC URL of the Prod datasource of Interact runtime.You can provide custom JDBC URL with JDBC properties.
JDBC_URL_PLATFORM	JDBC URL of the Prod datasource of platfrom.You can provide custom JDBC URL with JDBC properties.
JDBC_URL_CAMPAIGN	JDBC URL of the Prod datasource of Campaign.You can provide custom JDBC URL with JDBC properties.
JDBC_URL_PLAN	JDBC URL of the Prod datasource of Plan.You can provide custom JDBC URL with JDBC properties.

Table 3. JDBC Parameters (continued)

Parameter name	Parameter description
JDBC_URL_CONTACTCENTRAL	JDBC URL of the Prod datasource of Contact Central.You can provide custom JDBC URL with JDBC properties.
JDBC_URL_JOURNEY	JDBC URL of the Prod datasource of Journey.You can provide custom JDBC URL with JDBC properties.
JDBC_URL_JOURNEYREPORT	JDBC URL of the Prod datasource of Journey Report.You can provide custom JDBC URL with JDBC properties.

Table 4. Parameters when Installing 12.1.4 or Upgrading to 12.1.4

Parameter name	Parameter description
Details	`removeAbandoned` is a Flag to remove abandoned connections if they exceed the `removeAbandonedTimeout`.
testOnBorrow	Indicates whether objects are validated before being borrowed from the pool. For an efficient validation, if objects fail validation, they are dropped from the pool and the system attempts to borrow another object.
PLATFORM_DATA_SOURCE_PARAMETERS	`removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'`
PLAN_DATA_SOURCE_PARAMETERS	`removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'`
JOURNEYWEB_DATA_SOURCE_PARAMETERS	`removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'`
JOURNEYREPORT_DATA_SOURCE_PARAMETER	`removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'`
CAMPAIGN_DATA_SOURCE_PARAMETERS	
INTERACT_DATA_SOURCE_PARAMETERS	`removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'`
INTERACT_PROD_DATA_SOURCE_PARAMETERS	`removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'`
INTERACT_TEST_DATA_SOURCE_PARAMETERS	`removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'`

Table 4. Parameters when Installing 12.1.4 or Upgrading to 12.1.4

(continued)

Parameter name	Parameter description
INTERACT_LEARNING_DATA_SOURCE_PARAMETERS	`removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'`
INTERACT_CHRH_DATA_SOURCE_PARAMETERS	`removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'`
COLLABORATE_DATA_SOURCE_PARAMETERS	`removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'`
CONTACTCENTRAL_DATA_SOURCE_PARAMETERS	`removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'`

Table 5. JRE-related Parameters

Parameter name	Parameter description
INSTALL_COMMAND1	`"yum install java-`*`n.n.n`*`-openjdk -y"`. where *n.n.n* is the JRE version. For example, if your JRE version is 1.8.0, replace *n.n.n* by `1.8.0`.
INSTALL_COMMAND2	`"cp -Lrf <jre-default-install-location> / docker/unica/JdbcDrivers"` where *<jre-default-install-location>* is the default install location of JRE. For example, if your default JRE installation location is `/usr/lib/jvm/jre`, replace *<jre-default-install-location>* by `/usr/lib/jvm/jre`.
DIRECTOR_JAVA_HOME	`"<Target-JRE-Path>"` For example, if your target path of JRE is `/docker/unica/JdbcDrivers/jre`, replace *<Target-JRE-Path>* by `/docker/unica/JdbcDrivers/jre`.

Audience Central configurations

To configure Audience Central for Cloud Native Unica, make the necessary modifications to the `audiencecentral-configMap.yaml` file.

To access the `audiencecentral-configMap.yaml` file, navigate to `/unica/templates/` in the Unica charts folder. Open the file and make modifications to the following parameters:

Table 6. Common parameters for Audience Central

Parameter name	Parameter description
AUDIENCECENTRAL_PRODUCT_NAME	`Audiencecentral`
AUDIENCE_CENTRAL_WAR_NAME	`AudienceCentral.war`
AUDIENCECENTRAL_APPLICATION_NAME	`audiencecentral`
AUDIENCECENTRAL_DOMAIN_USERNAME	`root`
AUDIENCECENTRAL_DOMAIN_PASSWORD	`unica*03`

Table 7. Application Server-related parameters for Audience Central

Parameter name	Parameter description
AUDIENCECENTRAL_HOST_NAME	`{{ .Release.Name }}-unica-audiencecentral`
AUDIENCECENTRAL_MANAGEMENT_PORT	`9065`
AUDIENCECENTRAL_MANAGEMENT_HTTPS_PORT	`9994`
AUDIENCECENTRAL_AJP_PORT	`8009`
AUDIENCECENTRAL_HTTP_PORT	`9139`
AUDIENCECENTRAL_HTTPS_PORT	`9445`
AUDIENCECENTRAL_RECOVERY_ENV_PORT	`4713`
AUDIENCECENTRAL_STATUS_MANAGER_PORT	`4714`
AUDIENCECENTRAL_MIN_HEAP	`1024m`
AUDIENCECENTRAL_MAX_HEAP	`2048m`
AUDIENCECENTRAL_URL	`{{ include ip.protocol . }}://{{ .Values.service.hostname }}/AudienceCentral`
AUDIENCECENTRAL_INTERNAL_URL	`http://{{ .Release.Name }}-unica-audiencecentral:9139/AudienceCentral`
PRODUCT_OPTS_AUDIENCECENTRAL	`-DAUDIENCE_CENTRAL_HOME=/docker/unica/AudienceCentral/ -DENABLE_NON_PROD_MODE=true`

Table 8. Database-related parameters for Audience Central

Parameter name	Parameter description
AUDIENCECENTRAL_USER_JNDI_NAME	`{{ .Values.audiencecentralData.audiencecentralConfigMapData.AUDIENCECENTRAL_USER_JNDI_NAME }}`

Table 8. Database-related parameters for Audience Central (continued)

Parameter name	Parameter description
AUDIENCECENTRAL_USER_POOL_NAME	{{ .Values.audiencecentralData.audiencecentralConfigMapData.AUDIENCECENTRAL_USER_POOL_NAME }}
AUDIENCECENTRAL_USER_DATABASE_HOST	{{ .Values.audiencecentralData.audiencecentralConfigMapData.AUDIENCECENTRAL_USER_DATABASE_HOST }}
AUDIENCECENTRAL_USER_DATABASE_PORT	{{ .Values.audiencecentralData.audiencecentralConfigMapData.AUDIENCECENTRAL_USER_DATABASE_PORT }}
AUDIENCECENTRAL_USER_DATABASE_NAME	{{ .Values.audiencecentralData.audiencecentralConfigMapData.AUDIENCECENTRAL_USER_DATABASE_NAME }}
AUDIENCECENTRAL_USER_DATABASE_USERNAME	{{ .Values.audiencecentralData.audiencecentralConfigMapData.AUDIENCECENTRAL_USER_DATABASE_USERNAME }}
AUDIENCECENTRAL_USER_DATABASE_PASSWORD	{{ .Values.audiencecentralData.audiencecentralConfigMapData.AUDIENCECENTRAL_USER_DATABASE_PASSWORD }}
AUDIENCECENTRAL_USER_DS_INITIAL_SIZE	{{ .Values.audiencecentralData.audiencecentralDSMData.AUDIENCECENTRAL_USER_DS_INITIAL_SIZE }}
AUDIENCECENTRAL_USER_DS_MIN_IDLE	{{ .Values.audiencecentralData.audiencecentralDSMData.AUDIENCECENTRAL_USER_DS_MIN_IDLE }}
AUDIENCECENTRAL_USER_DS_MAX_IDLE	{{ .Values.audiencecentralData.audiencecentralDSMData.AUDIENCECENTRAL_USER_DS_MAX_IDLE }}
AUDIENCECENTRAL_USER_DS_MAX_TOTAL	{{ .Values.audiencecentralData.audiencecentralDSMData.AUDIENCECENTRAL_USER_DS_MAX_TOTAL }}
AUDIENCECENTRAL_USER_DS_STATEMENT_CACHE_SIZE	{{ .Values.audiencecentralData.audiencecentralDSMData.AUDIENCECENTRAL_USER_DS_STATEMENT_CACHE_SIZE }}
AUDIENCECENTRAL_USER_DATA_SOURCE_PARAMETERS	{{ .Values.audiencecentralData.audiencecentralDSMData.AUDIENCECENTRAL_USER_DATA_SOURCE_PARAMETERS }}

Campaign configurations

To configure Campaign for Cloud Native Unica, make the necessary modifications to the `campaign-configMap.yaml` file.

To access the `campaign-configMap.yaml` file, navigate to `/unica/templates/` in the `JBOSSOracle` charts folder. Open the file and make modifications to the following parameters:

Table 9. Common Campaign parameters

Parameter name	Parameter description
CAMPAIGN_JNDI_NAME	JNDI name for Campaign.
CAMPAIGN_POOL_NAME	Pool name for Campaign.
PRODUCT_OPTS_CAMPAIGN	Product specific options for Campaign.
TERM	The database host name.
USER_DATABASES	Helps in setting up user database. Plug in installations scripts for a seamless startup of an instance. For example, a scaled listener instance.
USER_ORA_HOST_NAME	The host name of the Oracle user.

Table 10. Database-related parameters for Campaign

Parameter name	Parameter description
CAMPAIGN_DATABASE_HOST	Host system details of the system hosting the Campaign database.
CAMPAIGN_DATABASE_PORT	Port number of the Campaign database.
CAMPAIGN_DATABASE_NAME	Username to access the Campaign database.
CAMPAIGN_DATABASE_USERNAME	Password to access the Campaign database.
CAMPAIGN_DATABASE_PASSWORD	Name of the Campaign database.
CAMPAIGN_DS_INITIAL_SIZE	The initial size of the Campaign datasource connection pool.
CAMPAIGN_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Campaign datasource connection pool.
CAMPAIGN_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Campaign datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
CAMPAIGN_DS_MAX_TOTAL	The maximum number of connections that the Campaign datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
CAMPAIGN_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Campaign datasource. Statement caching improves

Table 10. Database-related parameters for Campaign (continued)

Parameter name	Parameter description
	performance by caching executable statements that are used repeatedly.
DB2_CLIENT_INSTALL_COMMAND_SCRIPT	**Note:** Use the scripts configured on Unica helm charts to install any other database clients automatically and seamlessly. Path of the test scripts to install client on listener pod (`/bin/sh/db2.sh`).
ORACLE_CLIENT_SETUP_FILE	Path of the `tar/gz` file of client.
ORACLE_CLIENT_RESPONSE_FILE	Path of response file to install client.
ORACLE_CLIENT_INSTALL_COMMAND	Command to install the Oracle client on the listener pod.

ORACLE_CLIENT_INSTALL_SCRIPT	**Note:** Use the scripts configured on Unica helm charts to install any other database clients automatically and seamlessly.
	
	Path of the test scripts to install database client on the listener pod (`/docker/unica/oracle.sh`). You can write the set of command in this file to install the client and it is executed during the startup of the listener pod.
	Example
	`yum install -y libaio`
	`cp /usr/lib64/libnsl.so.2.0.0 /`
	`usr/lib64/libnsl.so.1`

ORACLE_HOME	Path of the oracle home.
NLS_LANG	American_America.`UTF8`
PATH	Define the `PATH` variable
SQLPATH	Define the `SQLPATH` variable
TNS_ADMIN	Path of the Oracle admin folder.
LD_LIB_PATH	Path to the required shared libraries in the environment configuration script, `setenv.sh`, for Campaign.
SETENV_COMMAND1	Setting the variables for `setenv.sh` in the listener you can provide the command.

Table 10. Database-related parameters for Campaign (continued)

Parameter name	Parameter description
SETENV_COMMAND2	Setting the variables for`setenv.sh` in the listener you can provide the command.
MARIADB_CLIENT_INSTALL_COMMAND	Command to install the MariaDB client on the listener pod.

MARIADB_CLIENT_INSTALL_SCRIPT	**Note:** Use the scripts configured on Unica helm charts to install any other database clients automatically and seamlessly.
	
	Path of the test scripts to install database client on the listener pod (`/docker/unica/mariadb.sh`). You can write the set of command in this file to install the client and it is executed during the startup of the listener pod.
	Example
	`install /docker/unica/libmaodbc.so /usr/lib64/`
	`yum install -y unixODBC`
	`yum install -y compat-openssl10`

SQLSERVER_CLIENT_INSTALL_SCRIPT	**Note:** Use the scripts configured on Unica helm charts to install any other database clients automatically and seamlessly. Path of the test scripts to install client on listener pod (`/bin/sh/sqlserver.sh`).
USER_DB2_PORT	The port number to access the DB2 database.
USER_DB2_DB_NAME	The name of the DB2 database user.
USER_DB2_DB_USER	The username of the DB2 database user.
USER_DB2_DB_USER_PASSWORD	The password for the DB2 database user.
ASM_User_For_DB2_Credentials	The `asm_admin` credentials for DB2 datasource.
ASM_User_NZ_Data_Source_Name	The `asm_admin` user configured for the NZ datasource.
ASM_User_DB2_Data_Source_Name	The `asm_admin` user configured for the DB2 datasource.
ASM_User_ORA_Data_Source_Name	The `asm_admin` user configured for the Oracle datasource.
ASM_User_For_ORA_Credentials	The `asm_admin` credentials for the Oracle datasource.
USER_ORA_DB_USERNAME	The username of the Oracle database user.
USER_ORA_DB_USER_PASSWORD	The password of the Oracle database user.

Table 10. Database-related parameters for Campaign (continued)

Parameter name	Parameter description
USER_ORA_PORT	The port number of the of the configured database user.
USER_ORA_SID	The `SID` details of the Oracle user.
ASM_User_NZ_Data_Source_Name	The `asm_admin` user configured for the NZ datasource.
ASM_User_For_NZ_Credentials	The `asm_admin` credentials for the NZ datasource.
ASM_User_For_SQLSERVER_Credentials	The `asm_admin` credentials for SQL Server datasource.
ASM_User_SQLSERVER_Data_Source_Name	The `asm_admin` user configured for the SQL Server datasource.
USER_NZ_DB_USERNAME	The username of the NZ database user.
USER_NZ_DB_USER_PASSWORD	The password for the NZ database user.
USER_NZ_HOST_NAME	The host name of the NZ database user.
USER_NZ_PORT	The port number to access the NZ database.
USER_NZ_DB_NAME	The database name of the NZ database user.
USER_MARIA_HOST_NAME	The host name of the MariaDB database user.
USER_SQLSERVER_DB_NAME	The database name of the SQL Server database user.
USER_SQLSERVER_HOST_NAME	The host name of the SQL Server database user.
USER_SQLSERVER_PORT	The port number to access the SQL Server database.
USER_SQLSERVER_NAME	The host name of the SQL Server database user.
USER_SQLSERVER_USER	The username of the SQL Server database user.
CAMPAIGN_DSN_NAME	The `dbanme` value of the respective database.
ORACLE_ODBC_DRIVER	The path or the location of the Oracle ODBC driver on your system.
DB_TEMPLATE	The name of the database template used. This is used for configuring ODBC connection in Oracle.

Table 11. Application Server-related parameters for Campaign

Parameter name	Parameter description
CAMPAIGN_URL	The URL to access Campaign.
CAMP_HOST_NAME	The system host name of Campaign.
CAMP_MANAGEMENT_PORT	The management port number for the Campaign system.

Table 11. Application Server-related parameters for Campaign (continued)

Parameter name	Parameter description
CAMP_MANAGEMENT_HTTPS_PORT	The management `HTTPS` port number for the Campaign system.
CAMP_AJP_PORT	The `AJP` port number for the Campaign system.
CAMP_HTTP_PORT	The `HTTP` port number for the Campaign system.
CAMP_HTTPS_PORT	The `HTTPS` port number for the Campaign system.
CAMP_RECOVERY_ENV_PORT	The recovery environment port number of the Campaign system.
CAMP_STATUS_MANAGER_PORT	The status manager port number of the Campaign system.

Table 12. Listener-related parameters for Campaign

Parameter name	Parameter description
LISTENER_HOST_NAME	The hostname of the Listener.
LISTENER_PORT	The port number of the Listener.
LISTENER_TYPE	Specify the type of Listener.
CLUSTER_DOMAIN	Define the cluster domain. For example, `listener.default.svc.cluster.local`.
SSL_FOR_PORT2	`SSL` server port 2.
SERVER_PORT2	Server port 2.
MASTER_LISTENER_PRIORITY	Define the Listener priority.
LOAD_BALANCE_WEIGHT	The load balance weight of the Listener.
CAMP_HOSTNAME	The host name of the Campaign system.
CAMPPORT	The deployment port for Campaign.
CLUSTER_DEPLOYMENT	Set `TRUE` if clustered deployment is supported or `FALSE` if clustered deployment is not supported.
ORACLE_CLIENT_SETUP_FILE_EXTRACT_COMMAND	The command to extract the Oracle `tar/gz` client setup file
DB2_CLIENT_SETUP_FILE_EXTRACT_COMMAND	The command to extract the DB2 `tar/gz` client setup file

Centralized Offer Management configurations

To configure Centralized Offer Management for Cloud Native Unica, make the necessary modifications to the `offer-configMap.yaml` file.

To access the `offer-configMap.yaml` file, navigate to `/unica/templates/` in the `JBOSSOracle` charts folder. Open the file and make modifications to the following parameters:

Table 13. JBoss-related parameters of Centralized Offer Management

Parameter name	Parameter description
COM_HOST_NAME	The system host name of Centralized Offer Management.
COM_MANAGEMENT_PORT	The management port number for the Centralized Offer Management system.
COM_MANAGEMENT_HTTPS_PORT	The management `HTTPS` port number for the Centralized Offer Management system.
COM_AJP_PORT	The `AJP` port number for the Centralized Offer Management system.
COM_HTTP_PORT	The `HTTP` port number for the Centralized Offer Management system.
COM_HTTPS_PORT	The `HTTPS` port number for the Centralized Offer Management system.
COM_RECOVERY_ENV_PORT	The recovery environment port number of the Centralized Offer Management system.
COM_STATUS_MANAGER_PORT	The status manager port number of the Centralized Offer Management system.
PRODUCT_OPTS_COM	Product specific options for Centralized Offer Management.

Collaborate configurations

To configure Collaborate for Cloud Native Unica, make the necessary modifications to the `collaborate-configMap.yaml` file.

To access the `collaborate-configMap.yaml` file, navigate to `/unica/templates/` in the Unica charts folder. Open the file and make modifications to the following parameters:

Table 14. Common parameters of Collaborate configuration

Parameter name	Parameter description
COLLABORATE_HOST	The name of the Collaborate host system.

Table 14. Common parameters of Collaborate configuration (continued)

Parameter name	Parameter description
COLLABORATE_PORT	The port number of the Collaborate host system.
COLLABORATE_JNDI_NAME	`JNDI` name for Collaborate.
COLLABORATE_POOL_NAME	Pool name for Collaborate.
COLLABORATE_USER_JNDI_NAME	`JNDI` name for the Collaborate user.
COLLABORATE_USER_POOL_NAME	Pool name for the Collaborate user.
PRODUCT_OPTS_COLLABORATE	Product-specific options for Collaborate.
COLLABORATE_PRODUCT_NAME	The name assigned for Collaborate.
COLLABORATE_WAR_NAME	The name of the `WAR` file.
COLLABORATE_APPLICATION_NAME	The name of the main application. For example, `Unica`.
COLLABORATE_DOMAIN_USERNAME	The domain username for Collaborate.
COLLABORATE_DOMAIN_PASSWORD	The domain password for Collaborate.
COLLABORATE_HOME	The home directory for the Collaborate system.

Table 15. Database parameters of Collaborate configuration

Parameter name	Parameter description
COLLABORATE_DATABASE_HOST	Host system details of the system hosting the Collaborate database.
COLLABORATE_DATABASE_PORT	Port number of the Collaborate database.
COLLABORATE_DATABASE_USERNAME	Username to access the Collaborate database.
COLLABORATE_DATABASE_PASSWORD	Password to access the Collaborate database.
COLLABORATE_DATABASE_NAME	Name of the Collaborate database.
COLLABORATE_USER_DATABASE_HOST	Host system details of the system hosting the Collaborate database user.
COLLABORATE_USER_DATABASE_PORT	Port number of the Collaborate database user.
COLLABORATE_USER_DATABASE_USERNAME	Username to access the Collaborate database user.
COLLABORATE_USER_DATABASE_PASSWORD	Password to access the Collaborate database user.
COLLABORATE_USER_DATABASE_NAME	Name of the Collaborate database user.
COLLABORATE_DS_INITIAL_SIZE	The initial size of the Collaborate datasource connection pool.

Table 15. Database parameters of Collaborate configuration (continued)

Parameter name	Parameter description
COLLABORATE_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Collaborate datasource connection pool.
COLLABORATE_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Collaborate datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
COLLABORATE_DS_MAX_TOTAL	The maximum number of connections that the Collaborate datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
COLLABORATE_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Collaborate datasource. Statement caching improves performance by caching executable statements that are used repeatedly.
COLLABORATE_USER_DS_INITIAL_SIZE	The initial size of the Collaborate user datasource connection pool.
COLLABORATE_USER_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Collaborate user datasource connection pool.
COLLABORATE_USER_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Collaborate user datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
COLLABORATE_USER_DS_MAX_TOTAL	The maximum number of connections that the Collaborate user datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
COLLABORATE_USER_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Collaborate user datasource. Statement caching improves performance by caching executable statements that are used repeatedly.

Table 16. Application server parameters of Collaborate configuration

Parameter name	Parameter description
COLLABORATE_URL	The `URL` to access Collaborate.
COLLABORATE_HOST_NAME	The system host name of Collaborate.
COLLABORATE_MANAGEMENT_PORT	The management port number for the Collaborate system.
COLLABORATE_MANAGEMENT_HTTPS_PORT	The management `HTTPS` port number for the Collaborate system.
COLLABORATE_AJP_PORT	The `AJP` port number for the Collaborate system.
COLLABORATE_HTTP_PORT	The `HTTP` port number for the Collaborate system.
COLLABORATE_HTTPS_PORT	The `HTTPS` port number for the Collaborate system.
COLLABORATE_RECOVERY_ENV_PORT	The recovery environment port number of the Collaborate system.
COLLABORATE_STATUS_MANAGER_PORT	The status manager port number of the Collaborate system.
COLLABORATE_MIN_HEAP	The maximum heap size allocated for Collaborate.
COLLABORATE_MAX_HEAP	The maximum heap size allocated for Collaborate.

Contact Central configurations

To configure Contact Central for Cloud Native Unica, make the necessary modifications to the `contactcentral-configMap.yaml` file.

To access the `contactcentral-configMap.yaml` file, navigate to `/unica/templates/` in the Unica charts folder. Open the file and make modifications to the following parameters:

Table 17. Common Contact Central parameters

Parameter name	Parameter description
CONTACTCENTRAL_JNDI_NAME	`JNDI` name for Contact Central.
CONTACTCENTRAL_POOL_NAME	Pool name for Contact Central.
CONTACTCENTRAL_URL	The URL to access Contact Central.
CONTACTCENTRAL_INTERNAL_URL	The internal URL to access/link Contact Central from other applications.
PRODUCT_OPTS_CONTACTCENTRAL	Product specific options for Contact Central.
CONTACTCENTRAL_PRODUCT_NAME	The name assigned for Contact Central.

Table 17. Common Contact Central parameters (continued)

Parameter name	Parameter description
CONTACT_CENTRAL_WAR_NAME	The name of the `WAR` file.
CONTACTCENTRAL_APPLICATION_NAME	The name of the main application. For example, `Unica`.
CONTACTCENTRAL_DOMAIN_USERNAME	The domain username for Contact Central.
CONTACTCENTRAL_DOMAIN_PASSWORD	The domain password for Contact Central.

Table 18. Database-related parameters for Contact Central

Parameter name	Parameter description
CONTACTCENTRAL_DATABASE_HOST	Host system details of the system hosting the Contact Central database.
CONTACTCENTRAL_DATABASE_PORT	Port number of the Contact Central database.
CONTACTCENTRAL_DATABASE_USERNAME	Username to access the Contact Central database.
CONTACTCENTRAL_DATABASE_PASSWORD	Password to access the Contact Central database.
CONTACTCENTRAL_DATABASE_NAME	Name of the Contact Central database.
CONTACTCENTRAL_DS_INITIAL_SIZE	The initial size of the Contact Central datasource connection pool.
CONTACTCENTRAL_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Contact Central datasource connection pool.
CONTACTCENTRAL_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Contact Central datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
CONTACTCENTRAL_DS_MAX_TOTAL	The maximum number of connections that the Contact Central datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
CONTACTCENTRAL_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Contact Central datasource. Statement caching improves performance by caching executable statements that are used repeatedly.

Table 19. Application Server-related parameters for Contact Central

Parameter name	Parameter description
CONTACTCENTRAL_HOST_NAME	The system host name of Contact Central.
CONTACTCENTRAL_MANAGEMENT_PORT	The management port number for the Contact Central system.
CONTACTCENTRAL_MANAGEMENT_HTTPS_PORT	The management HTTPS port number for the Contact Central system.
CONTACTCENTRAL_AJP_PORT	The AJP port number for the Contact Central system.
CONTACTCENTRAL_HTTP_PORT	The HTTP port number for the Contact Central system.
CONTACTCENTRAL_HTTPS_PORT	The HTTPS port number for the Contact Central system.
CONTACTCENTRAL_RECOVERY_ENV_PORT	The recovery environment port number of the Contact Central system.
CONTACTCENTRAL_STATUS_MANAGER_PORT	The status manager port number of the Contact Central system.
CONTACTCENTRAL_MIN_HEAP	The maximum heap size allocated for Contact Central.
CONTACTCENTRAL_MAX_HEAP	The maximum heap size allocated for Contact Central.

Content Integration configurations

To configure Content Integration for Cloud Native Unica, make the necessary modifications to the `assetpicker-configMap.yaml` file.

To access the `assetpicker-configMap.yaml` file, navigate to `/unica/templates/` in the Unica charts folder. Open the file and make modifications to the following parameters:

Table 20. Content Integration parameters for JBoss

Parameter name	Parameter description
ASSET_HOST_NAME	The system host name of Content Integration.
ASSET_MANAGEMENT_PORT	The management port number for the Content Integration system.
ASSET_MANAGEMENT_HTTPS_PORT	The management HTTPS port number for the Content Integration system.
ASSET_AJP_PORT	The AJP port number for the Content Integration system.
ASSET_HTTP_PORT	The HTTP port number for the Content Integration system.

Table 20. Content Integration parameters for JBoss (continued)

Parameter name	Parameter description
ASSET_HTTPS_PORT	The HTTPS port number for the Content Integration system.
ASSET_RECOVERY_ENV_PORT	The recovery environment port number of the Content Integration system.
ASSET_STATUS_MANAGER_PORT	The status manager port number of the Content Integration system.
PRODUCT_OPTS_ASSET	Product specific options for Content Integration.

Director configurations

To configure Director for Cloud Native Unica, make the necessary modifications to the `director-configMap.yaml` file.

To access the `director-configMap.yaml` file, navigate to `/unica/templates/` in the Unica charts folder. Open the file and make modifications to the following parameters:

Table 21. Common parameters of Director

Parameter name	Parameter description
activemq_enableEvents	Valid values are `Yes` or `No`.
activemq_url	Active MQ `URL`. For example, `tcp://unica-omnix-unica-activemq:61616`.
Data_Source_For_ActiveMQ_message_broker_credentials	Data source for `ACTIVEMQ`. For example, `ACTIVEMQ_CRED_DS`.
data_sources_for_activemq	Platform username.
activemq_queueName	Flowchart information. For example, `campaign`.

Table 22. Configuration parameters of Director

Parameter name	Parameter description
director_http_port	Director server port. The default port is `9128`.
director_file_down	The download path used to store the downloaded log files from the Campaign server. For example, `/docker/unica/Director/Server/Downloads`.
director_show_sql	Valid values are `TRUE` or `FALSE`.
director_accesstoken_validityseconds	Director application session timed out token. For example, `10800` seconds.

Table 22. Configuration parameters of Director (continued)

Parameter name	Parameter description
director_listener_profile_data_days	Campaign listener CPU and Memory consumption data retention to `7` Days.

Table 23. Database-related parameters of Director

Parameter name	Parameter description
director_db_name	Director DB name.
director_datasource_username	Director database name or username.
director_datasource_password	Director database password.
director_db_host_ip	Director database machine host IP address.
director_host_name	Director database machine host name.
director_db_port	Director database machine port number.
director_datasource_driverClassName	Database driver class name.
director_jpa_hibernate	Database driver dialect name.
director_ddl_auto	Director database mode like create, update, or validate.
director_db_url	Director database URL.

Insights Reports configurations

To configure Insights Reports for Cloud Native Unica, make the necessary modifications to the `birt-configMap.yaml` file.

To access the `birt-configMap.yaml` file, navigate to `/unica/templates/` in the Unica charts folder. Open the file and make modifications to the following parameters:

Table 24. Common Insights Reports parameters

Parameter name	Parameter description
INSIGHTS_PRODUCT_NAME	The name assigned for Insights Reports.
INSIGHTS_WAR_NAME	The name of the `WAR` file.
INSIGHTS_APPLICATION_NAME	The name of the main application. For example, `Unica`.
INSIGHTS_DOMAIN_USERNAME	The domain username for Insights Reports.
INSIGHTS_DOMAIN_PASSWORD	The domain password for Insights Reports.
PRODUCT_OPTS_INSIGHTS	Product specific options for Insights Reports.

Table 25. Insights Reports parameters for application server

Parameter name	Parameter description
INSIGHTS_HOST_NAME	The system host name of Insights Reports system.
INSIGHTS_MANAGEMENT_PORT	The management port number for the Insights Reports system.
INSIGHTS_MANAGEMENT_HTTPS_PORT	The management `HTTPS` port number for the Insights Reports system.
INSIGHTS_AJP_PORT	The `AJP` port number for the Insights Reports system.
INSIGHTS_HTTP_PORT	The `HTTP` port number for the Insights Reports system.
INSIGHTS_HTTPS_PORT	The `HTTPS` port number for the Insights Reports system.
INSIGHTS_RECOVERY_ENV_PORT	The recovery environment port number of the Insights Reports system.
INSIGHTS_STATUS_MANAGER_PORT	The status manager port number of the Insights Reports system.
INSIGHTS_MIN_HEAP	The minimum heap size allocated for Insights Reports.
INSIGHTS_MAX_HEAP	The maximum heap size allocated for Insights Reports.

Interact configurations

To configure Interact for Cloud Native Unica, make the necessary modifications to the `interact-configMap.yaml` file.

To access the `interact-configMap.yaml` file, navigate to `/unica/templates/` in the `JBOSSOracle` charts folder. Open the file and make modifications to the following parameters:

Table 26. Common parameters for Interact

Parameter name	Parameter description
CONTEXT_ROOTS	To enable multiple server groups in Interact. Ensure that the context root and deployment name are in sync. If you change the deployment name, remember to change the context root as well. For example, if server groups are named atm, callcenter, and web, define the deployment and services with similar names like interactatm, interactcallcenter, and interactweb and ensure that the **CONTEXT_ROOT** parameter contains the following values: `INTERACTATM;INTERACTCALLCENTER;INTERACTWEB`.
INTERACT_PROD_JNDI_NAME	`JNDI` name for Interact production.

Table 26. Common parameters for Interact (continued)

Parameter name	Parameter description
INTERACT_PROD_POOL_NAME	Pool name for Interact production.
INTERACT_TEST_JNDI_NAME	`JNDI` name for Interact test.
INTERACT_TEST_POOL_NAME	Pool name for Interact test.
INTERACT_LEARNING_JNDI_NAME	`JNDI` name for Interact learning.
INTERACT_LEARNING_POOL_NAME	Pool name for Interact learning.
INTERACT_CHRH_JNDI_NAME	`JNDI` name for Interact CHRH.
INTERACT_CHRH_POOL_NAME	Pool name for Interact CHRH.
INTERACT05_JNDI_NAME	`JNDI` name for Interact 05.
INTERACT05_POOL_NAME	Pool name for Interact 05.
INTERACTATM_JNDI_NAME	`JNDI` name for Interact ATM.
INTERACTATM_POOL_NAME	Pool name for Interact ATM.
INTERACTCALLCNTR_JNDI_NAME	`JNDI` name for Interact Call Center.
INTERACTCALLCNTR_POOL_NAME	Pool name for Interact Call Center.
INTERACTWEB_JNDI_NAME	`JNDI` name for Interact Web.
INTERACTWEB_POOL_NAME	Pool name for Interact Web.
PRODUCT_OPTS_INTERACT	Product specific options for Interact.
TERM	The database host name.

Table 27. Platform-related Interact server parameters

Parameter name	Parameter description
INTERACTATM_PLATFORM_DATABASE_HOST	Host system details of the system hosting the Platform-Interact ATM database.
INTERACTATM_PLATFORM_DATABASE_PORT	Port number of the Platform-Interact ATM database.
INTERACTATM_PLATFORM_DATABASE_USERNAME	Username to access the Platform-Interact ATM database.
INTERACTATM_PLATFORM_DATABASE_PASSWORD	Password to access the Platform-Interact ATM database.
INTERACTATM_PLATFORM_DATABASE_NAME	Name of the Interact Platform-Interact database.
INTERACTATM_PLATFORM_DS_INITIAL_SIZE	The initial size of the Platform-Interact ATM datasource connection pool.

Table 27. Platform-related Interact server parameters (continued)

Parameter name	Parameter description
INTERACTATM_PLATFORM_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Platform-Interact ATM datasource connection pool.
INTERACTATM_PLATFORM_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Platform-Interact ATM datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
INTERACTATM_PLATFORM_DS_MAX_TOTAL	The maximum number of connections that the Platform-Interact ATM datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
INTERACTATM_PLATFORM_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Platform-Interact ATM datasource. Statement caching improves performance by caching executable statements that are used repeatedly.

Table 28. Server group-related database parameters of Interact

Parameter name	Parameter description
INTERACTATM_DATABASE_HOST	Host system details of the system hosting the Interact ATM database.
INTERACTATM_DATABASE_PORT	Port number of the Interact ATM database.
INTERACTATM_DATABASE_USERNAME	Username to access the Interact ATM database.
INTERACTATM_DATABASE_PASSWORD	Password to access the Interact ATM database.
INTERACTATM_DATABASE_NAME	Name of the Interact ATM database.
INTERACTATM_DS_INITIAL_SIZE	The initial size of the Interact ATM datasource connection pool.
INTERACTATM_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Interact ATM datasource connection pool.
INTERACTATM_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Interact ATM datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.

Table 28. Server group-related database parameters of Interact (continued)

Parameter name	Parameter description
INTERACTATM_DS_MAX_TOTAL	The maximum number of connections that the Interact ATM datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
INTERACTATM_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Interact ATM datasource. Statement caching improves performance by caching executable statements that are used repeatedly.
INTERACTATM_DATABASE_HOST	Host system details of the system hosting the Interact ATM database.
INTERACTATM_DATABASE_PORT	Port number of the Interact ATM database.
INTERACTATM_DATABASE_USERNAME	Username to access the Interact ATM database.
INTERACTATM_DATABASE_PASSWORD	Password to access the Interact ATM database.
INTERACTATM_DATABASE_NAME	Name of the Interact ATM database.
INTERACTATM_DS_INITIAL_SIZE	The initial size of the Interact ATM datasource connection pool.
INTERACTATM_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Interact ATM datasource connection pool.
INTERACTATM_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Interact ATM datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
INTERACTATM_DS_MAX_TOTAL	The maximum number of connections that the Interact ATM datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
INTERACTATM_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Interact ATM datasource. Statement caching improves performance by caching executable statements that are used repeatedly.
INTERACTWEB_DATABASE_HOST	Host system details of the system hosting the Interact Web database.

Table 28. Server group-related database parameters of Interact (continued)

Parameter name	Parameter description
INTERACTWEB_DATABASE_PORT	Port number of the Interact Web database.
INTERACTWEB_DATABASE_USERNAME	Username to access the Interact Web database.
INTERACTWEB_DATABASE_PASSWORD	Password to access the Interact Web database.
INTERACTWEB_DATABASE_NAME	Name of the Interact Web database.
INTERACTWEB_DS_INITIAL_SIZE	The initial size of the Interact Web datasource connection pool.
INTERACTWEB_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Interact Web datasource connection pool.
INTERACTWEB_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Interact Web datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
INTERACTWEB_DS_MAX_TOTAL	The maximum number of connections that the Interact Web datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
INTERACTWEB_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Interact Web datasource. Statement caching improves performance by caching executable statements that are used repeatedly.
INTERACTCALLCNTR_DATABASE_HOST	Host system details of the system hosting the Interact Call Center database.
INTERACTCALLCNTR_DATABASE_PORT	Port number of the Interact Call Center database.
INTERACTCALLCNTR_DATABASE_USERNAME	Username to access the Interact Call Center database.
INTERACTCALLCNTR_DATABASE_PASSWORD	Password to access the Interact Call Center database.
INTERACTCALLCNTR_DATABASE_NAME	Name of the Interact Call Center database.
INTERACTCALLCNTR_DS_INITIAL_SIZE	The initial size of the Interact Call Center datasource connection pool.
INTERACTCALLCNTR_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Interact Call Center datasource connection pool.

Table 28. Server group-related database parameters of Interact (continued)

Parameter name	Parameter description
INTERACTCALLCNTR_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Interact Call Center datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
INTERACTCALLCNTR_DS_MAX_TOTAL	The maximum number of connections that the Interact Call Center datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
INTERACTCALLCNTR_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Interact Call Center datasource. Statement caching improves performance by caching executable statements that are used repeatedly.

Table 29. Server-related database parameters of Interact

Parameter name	Parameter description
INTERACT_PROD_DATABASE_HOST	Host system details of the system hosting the Interact Production database.
INTERACT_PROD_DATABASE_PORT	Port number of the Interact Production database.
INTERACT_PROD_DATABASE_NAME	Username to access the Interact Production database.
INTERACT_PROD_DATABASE_USERNAME	Password to access the Interact Production database.
INTERACT_PROD_DATABASE_PASSWORD	Name of the Interact Production database.
INTERACT_PROD_DS_INITIAL_SIZE	The initial size of the Interact Production datasource connection pool.
INTERACT_PROD_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Interact Production datasource connection pool.
INTERACT_PROD_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Interact Production datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
INTERACT_PROD_DS_MAX_TOTAL	The maximum number of connections that the Interact Production datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.

Table 29. Server-related database parameters of Interact (continued)

Parameter name	Parameter description
INTERACT_PROD_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Interact Production datasource. Statement caching improves performance by caching executable statements that are used repeatedly.
INTERACT_PROD_DSN_NAME	The `dbname` of the respective database.
INTERACT_TEST_DATABASE_HOST	Host system details of the system hosting the Interact Test database.
INTERACT_TEST_DATABASE_PORT	Port number of the Interact Test database.
INTERACT_TEST_DATABASE_NAME	Username to access the Interact Test database.
INTERACT_TEST_DATABASE_USERNAME	Password to access the Interact Test database.
INTERACT_TEST_DATABASE_PASSWORD	Name of the Interact Test database.
INTERACT_TEST_DS_INITIAL_SIZE	The initial size of the Interact Test datasource connection pool.
INTERACT_TEST_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Interact Test datasource connection pool.
INTERACT_TEST_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Interact Test datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
INTERACT_TEST_DS_MAX_TOTAL	The maximum number of connections that the Interact Test datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
INTERACT_TEST_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Interact Test datasource. Statement caching improves performance by caching executable statements that are used repeatedly.
INTERACT_TEST_DSN_NAME	The `dbname` of the respective database.
INTERACT_LEARNING_DATABASE_HOST	Host system details of the system hosting the Interact Learning database.
INTERACT_LEARNING_DATABASE_PORT	Port number of the Interact Learning database.

Table 29. Server-related database parameters of Interact (continued)

Parameter name	Parameter description
INTERACT_LEARNING_DATABASE_NAME	Username to access the Interact Learning database.
INTERACT_LEARNING_DATABASE_USERNAME	Password to access the Interact Learning database.
INTERACT_LEARNING_DATABASE_PASSWORD	Name of the Interact Learning database.
INTERACT_LEARNING_DS_INITIAL_SIZE	The initial size of the Interact Learning datasource connection pool.
INTERACT_LEARNING_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Interact Learning datasource connection pool.
INTERACT_LEARNING_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Interact Learning datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
INTERACT_LEARNING_DS_MAX_TOTAL	The maximum number of connections that the Interact Learning datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
INTERACT_LEARNING_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Interact Learning datasource. Statement caching improves performance by caching executable statements that are used repeatedly.
INTERACT_CHRH_DATABASE_HOST	Host system details of the system hosting the Interact CHRH database.
INTERACT_CHRH_DATABASE_PORT	Port number of the Interact CHRH database.
INTERACT_CHRH_DATABASE_NAME	Username to access the Interact CHRH database.
INTERACT_CHRH_DATABASE_USERNAME	Password to access the Interact CHRH database.
INTERACT_CHRH_DATABASE_PASSWORD	Name of the Interact CHRH database.
INTERACT_CHRH_DS_INITIAL_SIZE	The initial size of the Interact CHRH datasource connection pool.
INTERACT_CHRH_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Interact CHRH datasource connection pool.
INTERACT_CHRH_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Interact CHRH datasource

Table 29. Server-related database parameters of Interact (continued)

Parameter name	Parameter description
	connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
INTERACT_CHRH_DS_MAX_TOTAL	The maximum number of connections that the Interact CHRH datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
INTERACT_CHRH_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Interact CHRH datasource. Statement caching improves performance by caching executable statements that are used repeatedly.
INTERACT05_DATABASE_HOST	Host system details of the system hosting the Interact05 database.
INTERACT05_DATABASE_PORT	Port number of the Interact05 database.
INTERACT05_DATABASE_NAME	Username to access the Interact05 database.
INTERACT05_DATABASE_USERNAME	Password to access the Interact05 database.
INTERACT05_DATABASE_PASSWORD	Name of the Interact05 database.
INTERACT05_DS_INITIAL_SIZE	The initial size of the Interact 05 datasource connection pool.
INTERACT05_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Interact 05 datasource connection pool.
INTERACT05_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Interact 05 datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
INTERACT05_DS_MAX_TOTAL	The maximum number of connections that the Interact 05 datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
INTERACT05_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Interact 05 datasource. Statement caching improves performance by caching executable statements that are used repeatedly.

Table 30. Application server-related parameters of Interact

Parameter name	Parameter description
INT_HOST_NAME	The system host name of Interact.
INT_MANAGEMENT_PORT	The management port number for the Interact system.
INT_MANAGEMENT_HTTPS_PORT	The management `HTTPS` port number for the Interact system.
INT_AJP_PORT	The `AJP` port number for the Interact system.
INT_HTTP_PORT	The `HTTP` port number for the Interact system.
INT_HTTPS_PORT	The `HTTPS` port number for the Interact system.
INT_RECOVERY_ENV_PORT	The recovery environment port number of the Interact system.
INT_STATUS_MANAGER_PORT	The status manager port number of the Interact system.

InteractDT configurations

To configure Interact DT for Cloud Native Unica, make the necessary modifications to the `interactDT-configMap.yaml` file.

To access the `interactDT-configMap.yaml` file, navigate to `/unica/templates/` in the Unica charts folder. Open the file and make modifications to the following parameters:

Table 31. Common parameters of InteractDT configuration

Parameter name	Parameter description
INTERACTDT_PRODUCT_NAME	The name assigned for InteractDT.
INTERACTDT_WAR_NAME	The name of the `WAR` file.
INTERACTDT_APPLICATION_NAME	The name of the main application. For example, `Unica`.
INTERACTDT_DOMAIN_USERNAME	The domain username for InteractDT.
INTERACTDT_DOMAIN_PASSWORD	The domain password for InteractDT.
WAR_SCRIPT_INTERACTDT	The path where the `WAR` execution script exists.
PRODUCT_OPTS_INTERACTDT	Product-specific options for InteractDT.

Table 32. Database-related parameters of Campaign

Parameter name	Parameter description
CAMPAIGN_JNDI_NAME	`JNDI` name for Campaign.

Table 32. Database-related parameters of Campaign (continued)

Parameter name	Parameter description
CAMPAIGN_POOL_NAME	Pool name for Campaign.
CAMPAIGN_DATA_SOURCE_PARAMETERS	Parameters related to Campaign Data Source. Add multiple parameters using ; as the delimiter between parameters.
CAMPAIGN_DATABASE_HOST	Host system details of the system hosting the Campaign database.
CAMPAIGN_DATABASE_PORT	Port number of the Campaign database.
CAMPAIGN_DATABASE_NAME	Name of the Campaign database.
CAMPAIGN_DATABASE_USERNAME	Username to access the Campaign database.
CAMPAIGN_DATABASE_PASSWORD	Password to access the Campaign database.
CAMPAIGN_DSN_NAME	Name of the Campaign DSN.
CAMPAIGN_DS_INITIAL_SIZE	The initial size of the Campaign datasource connection pool.
CAMPAIGN_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Campaign datasource connection pool.
CAMPAIGN_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Campaign datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
CAMPAIGN_DS_MAX_TOTAL	The maximum number of connections that the Campaign datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
CAMPAIGN_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Campaign datasource. Statement caching improves performance by caching executable statements that are used repeatedly.

Table 33. Application Server-related parameters for InteractDT

Parameter name	Parameter description
INTERACTDT_URL	The URL to access InteractDT.
INTERACTDT_HOST_NAME	The system host name of InteractDT.

Table 33. Application Server-related parameters for InteractDT (continued)

Parameter name	Parameter description
INTERACTDT_MANAGEMENT_PORT	The management port number for the InteractDT system.
INTERACTDT_MANAGEMENT_HTTPS_PORT	The management HTTPS port number for the InteractDT system.
INTERACTDT_AJP_PORT	The AJP port number for the InteractDT system.
INTERACTDT_HTTP_PORT	The HTTP port number for the InteractDT system.
INTERACTDT_HTTPS_PORT	The HTTPS port number for the InteractDT system.
INTERACTDT_RECOVERY_ENV_PORT	The recovery environment port number of the InteractDT system.
INTERACTDT_STATUS_MANAGER_PORT	The status manager port number of the InteractDT system.
INTERACTDT_MIN_HEAP	The maximum heap size allocated for InteractDT.
INTERACTDT_MAX_HEAP	The maximum heap size allocated for InteractDT.

Table 34. Interact DT upgrade-related parameters

IS_INTERACTDT_DDLS_EXECUTED	Parameter to indicate if Interact DDLS is executed. Valid values are TRUE or FALSE.

Journey configurations

To configure Journey for Cloud Native Unica, make the necessary modifications to the `journey-configMap.yaml` file.

To access the `journey-configMap.yaml` file, navigate to `/unica/templates/` in the Unica charts folder. Open the file and make modifications to the following parameters:

Table 35. Parameters of Journey

Parameter name	Parameter description
JOURNEY_HOST_NAME	The system host name of Journey.
JOURNEY_MANAGEMENT_PORT	The management port number for the Journey system.
JOURNEY_MANAGEMENT_HTTPS_PORT	The management `HTTPS` port number for the Journey system.
JOURNEY_AJP_PORT	The `AJP` port number for the Journey system.
JOURNEY_HTTP_PORT	The `HTTP` port number for the Journey system.
JOURNEY_HTTPS_PORT	The `HTTPS` port number for the Journey system.

Table 35. Parameters of Journey (continued)

Parameter name	Parameter description
JOURNEY_RECOVERY_ENV_PORT	The recovery environment port number of the Journey system.
JOURNEY_STATUS_MANAGER_PORT	The status manager port number of the Journey system.
JOURNEY_MIN_HEAP	The maximum heap size allocated for Journey. For example, `1024m`.
JOURNEY_MAX_HEAP	The maximum heap size allocated for Journey. For example, `6614m`.
DB_TYPE_JOURNEY	The name of the database used by the Journey system. For example, `Oracle`.
DB_DRIVER_CLASS_JOURNEY	The class name of the Journey Database drivers. For example `oracle.jdbc.OracleDriver`.
JOURNEYREPORT_DB_NAME	The database name of the server hosting the Journey Reports. For example, `journeyuser`.

Journey web configurations

To configure the Journey web server for Journey, make the necessary modifications to the `journeyweb-configMap.yaml` file.

To access the `journeyweb-configMap.yaml` file, navigate to `/unica/templates/` in the Unica charts folder. Open the file and make modifications to the following parameters:

Table 36. Common parameters of Journey web configuration

Parameter name	Parameter description
JOURNEYWEB_JNDI_NAME	`JNDI` name for Journey web.
JOURNEYWEB_POOL_NAME	Pool name for Journey web.
PRODUCT_OPTS_PLATFORM	Product-specific options for Journey web.
JOURNEYWEB_PRODUCT_NAME	The name assigned for Journey web.
JOURNEYWEB_WAR_NAME	The name of the `WAR` file.
JOURNEYWEB_APPLICATION_NAME	The name of the main application. For example, `Unica`.
JOURNEYWEB_DOMAIN_USERNAME	The domain username for Journey web.
JOURNEYWEB_DOMAIN_PASSWORD	The domain password for Journey web.

Table 37. Database parameters of Journey web configuration

Parameter name	Parameter description
JOURNEYWEB_DATABASE_HOST	Host system details of the system hosting the Journey web database.
JOURNEYWEB_DATABASE_PORT	Port number of the Journey web database.
JOURNEYWEB_DATABASE_USERNAME	Username to access the Journey web database.
JOURNEYWEB_DATABASE_PASSWORD	Password to access the Journey web database.
JOURNEYWEB_DATABASE_NAME	Name of the Journey web database.
JOURNEYWEB_DS_INITIAL_SIZE	The initial size of the Journey web datasource connection pool.
JOURNEYWEB_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Journey web datasource connection pool.
JOURNEYWEB_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Journey web datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
JOURNEYWEB_DS_MAX_TOTAL	The maximum number of connections that the Journey web datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
JOURNEYWEB_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Journey web datasource. Statement caching improves performance by caching executable statements that are used repeatedly.

Table 38. Application server parameters of Journey web configuration

Parameter name	Parameter description
JOURNEYWEB_URL	The URL to access Journey web.
JOURNEYWEB_HOST_NAME	The system host name of Journey web.
JOURNEYWEB_MANAGEMENT_PORT	The management port number for the Journey web system.
JOURNEYWEB_MANAGEMENT_HTTPS_PORT	The management `HTTPS` port number for the Journey web system.
JOURNEYWEB_AJP_PORT	The `AJP` port number for the Journey web system.

Table 38. Application server parameters of Journey web configuration (continued)

Parameter name	Parameter description
JOURNEYWEB_HTTP_PORT	The `HTTP` port number for the Journey web system.
JOURNEYWEB_HTTPS_PORT	The `HTTPS` port number for the Journey web system.
JOURNEYWEB_RECOVERY_ENV_PORT	The recovery environment port number of the Journey web system.
JOURNEYWEB_STATUS_MANAGER_PORT	The status manager port number of the Journey web system.
JOURNEYWEB_MIN_HEAP	The maximum heap size allocated for Journey web.
JOURNEYWEB_MAX_HEAP	The maximum heap size allocated for Journey web.

Table 39. Other parameters of Journey web configuration

Parameter name	Parameter description
JOURNEYWEB_IP_FINDER_LIST	
JOURNEYWEB_MULTICAST_GROUP	
JOURNEYWEB_MULTICAST_PORT	
JOURNEYWEB_MULTICASE_ENABLED	
JOURNEYWEB_DEFAULT_DATA_REGION_MAX_SIZE	
JOURNEYWEB_GOAL_MAX_SIZE_ALLOWED	

Table 40. Configuration of Journey report parameters

Parameter name	Parameter description
JOURNEYREPORT_DATABASE_NAME	Name of the Journey report database.
JOURNEY_REPORT_DATABASE_USERNAME	Username to access the Journey report database.
JOURNEY_REPORT_DATABASE_PASSWORD	Password to access the Journey report database.
JOURNEYREPORT_DS_INITIAL_SIZE	The initial size of the Journey report datasource connection pool.
JOURNEYREPORT_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Journey report datasource connection pool.
JOURNEYREPORT_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Journey report datasource

Table 40. Configuration of Journey report parameters (continued)

Parameter name	Parameter description
	connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
JOURNEYREPORT_DS_MAX_TOTAL	The maximum number of connections that the Journey report datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
JOURNEYREPORT_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Journey report datasource. Statement caching improves performance by caching executable statements that are used repeatedly.
JOURNEYREPORT_JNDI_NAME	`JNDI` name for Journey report.
JOURNEYREPORT_POOL_NAME	Pool name for Journey report.
JOURNEYREPORT_DB_NAME	The database name of the server hosting the Journey Reports. For example, `journeyuser`.

Kafka configurations

To configure the Kafka server for Journey, make the necessary modifications to the `kafka-configMap.yaml` file.

To access the `kafka-configMap.yaml` file, navigate to `/unica/templates/` in the Unica charts folder. Open the file and make modifications to the following parameters:

Table 41. Database-parameters of Kafka configuration

Parameter name	Parameter description
JOURNEY_DATABASE_HOST	Host system details of the system hosting the Journey database.
JOURNEY_DATABASE_PORT	Port number of the Journey database.
JOURNEY_DATABASE_USERNAME	Username to access the Journey database.
JOURNEY_DATABASE_PASSWORD	Password to access the Journey database.
JOURNEY_DATABASE_NAME	Name of the Journey database.

Table 42. Common parameters of Kafka configuration

Parameter name	Parameter description
KAFKA_SERVER	The details of the system hosting the Kafka server.

Table 42. Common parameters of Kafka configuration (continued)

Parameter name	Parameter description
KAFKA_HOST_NAME	The host name of the Kafka server.
KAFKA_PORT	The port number to access the Kafka server.
JOURNEY_HOST_NAME	The host name of the Journey server.
JOURNEY_PORT	The port number to access the Journey server.
ZOOKEEPER_PORT	

Plan configurations

To configure Plan for Cloud Native Unica, make the necessary modifications to the `plan-configMap.yaml` file.

To access the `plan-configMap.yaml` file, navigate to `/unica/templates/` in the `JBOSSOracle` charts folder. Open the file and make modifications to the following parameters:

Table 43. Common parameters of Plan

Parameter name	Parameter description
PLAN_HOME	The home directory for the Plan system.
PRODUCT_OPTS_PLAN	Product specific options for Plan.
PLAN_JNDI_NAME	`JNDI` name for Plan.
PLAN_POOL_NAME	Pool name for Plan.

Table 44. Application server-related parameters of Plan

Parameter name	Parameter description
PLAN_HOST_NAME	The system host name of Plan.
PLAN_MANAGEMENT_PORT	The management port number for the Plan system.
PLAN_MANAGEMENT_HTTPS_PORT	The management `HTTPS` port number for the Plan system.
PLAN_AJP_PORT	The `AJP` port number for the Plan system.
PLAN_HTTP_PORT	The `HTTP` port number for the Plan system.
PLAN_HTTPS_PORT	The `HTTPS` port number for the Plan system.
PLAN_RECOVERY_ENV_PORT	The recovery environment port number of the Plan system.
PLAN_STATUS_MANAGER_PORT	The status manager port number of the Plan system.
PLAN_URL	The minimum heap size allocated for Plan.

Table 45. Database-related parameters for Plan

Parameter name	Parameter description
PLAN_PORT	The port number to access the Plan system.
PLAN_HOST	The host name of the Plan system.
DB_PLAN_HOST	The host details of the database in the Plan system.
DB_PLAN_PORT	The database port number of the Plan system.
DB_PLAN_HOST_NAME	Host name of the system hosting the Plan database.
PLAN_DATABASE_HOST	Host system details of the system hosting the Plan database.
PLAN_DATABASE_PORT	Port number of the Plan database.
PLAN_DATABASE_NAME	Name of the Plan database.
PLAN_DATABASE_USERNAME	Username to access the Plan database.
PLAN_DATABASE_PASSWORD	Password to access the Plan database.
PLAN_DS_INITIAL_SIZE	The initial size of the Plan datasource connection pool.
PLAN_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Plan datasource connection pool.
PLAN_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Plan datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.
PLAN_DS_MAX_TOTAL	The maximum number of connections that the Plan datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
PLAN_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Plan datasource. Statement caching improves performance by caching executable statements that are used repeatedly.

Platform configurations

To configure Platform for Cloud Native Unica, make the necessary modifications to the `platform-configMap.yaml` file.

To access the `platform-configMap.yaml` file, navigate to `/unica/templates/` in the Unica charts folder. Open the file and make modifications to the following parameters:

Table 46. Common parameters of Platform

Parameter name	Parameter description
PLATFORM_JNDI_NAME	`JNDI` name for Platform.
PLATFORM_POOL_NAME	Pool name for Platform.
PRODUCT_OPTS_BASE	Base options for all products of Unica.
PRODUCT_OPTS_PLATFORM	Product specific options for Platform.
UNICA_PLATFORM_HOME	The home directory for the Platform product.
REPLACE_VALID_CONNECTION_CHECKER	Common replacements in the file `standalone/configuration/standalone.xml`.
REPLACE_DATASOURCE_CLASS	Common replacements in the file `standalone/configuration/standalone.xml`.
TERM	The database host name.
REPLACE_ADMIN_USR_NAME	
REPLACE_ADMIN_USR_PASSWORD	

Table 47. Database-related parameters of Platform

Parameter name	Parameter description
PLATFORM_DATABASE_HOST	Host system details of the system hosting the Platform database.
PLATFORM_DATABASE_PORT	Port number of the Platform database.
PLATFORM_DATABASE_USERNAME	Username to access the Platform database.
PLATFORM_DATABASE_PASSWORD	Password to access the Platform database.
PLATFORM_DATABASE_NAME	Name of the Platform database.
PLATFORM_DS_INITIAL_SIZE	The initial size of the Platform datasource connection pool.
PLATFORM_DS_MIN_IDLE	The minimum number of idle connections (not connected to a database) in the Platform datasource connection pool.
PLATFORM_DS_MAX_IDLE	The maximum number of idle connections (not connected to a database) in the Platform datasource connection pool. Any idle connections, which exceeds the configured value, will be removed from the pool.

Table 47. Database-related parameters of Platform (continued)

Parameter name	Parameter description
PLATFORM_DS_MAX_TOTAL	The maximum number of connections that the Platform datasource can hold. If the number of connection requests exceed the configured value, the connection will be refused.
PLATFORM_DS_STATEMENT_CACHE_SIZE	Maximum number of statements that can be cached in the Platform datasource. Statement caching improves performance by caching executable statements that are used repeatedly.

Table 48. Application server-related parameters of Platform

Parameter name	Parameter description
ADMIN_USR_NAME	The administrator user name.
ADMIN_USR_PASSWORD	The password of the administrator user.
JBOSS_ZIP_LOCATION	The location of the JBoss `ZIP` file.
JBOSS_ZIP_NAME	The name of the JBoss `ZIP` file.
DEST_JBOSS_UNZIP_LOCATION	The location to unzip the JBoss `ZIP` file.
DEST_UNZIP_FOLDER	The folder into which the JBoss `ZIP` file should be unzipped.
REPLACE_JDBC_DRIVER_JAR	Name of the `JDBC` driver jar file. This name is also used in replacements in `modules/jdbcmodule/main/module.xml` (name of the `JDBC jar`).
FORCE_INIT_JBOSS	Set `TRUE` to force initialize JBoss or `FALSE` to avoid force initialization.
JVM_MIN_HEAP	The minimum heap size for `JVM`.
JVM_MAX_HEAP	The maximum heap size for `JVM`.
JVM_MIN_METASPACE	The minimum meta space for `JVM`.
JVM_MAX_METASPACE	The maximum meta space for `JVM`.
MANAGER_URL	The `URL` to access Manager.
PLAT_HOST_NAME	The system host name of Platform.
PLAT_MANAGEMENT_PORT	The management port number for the Platform system.

Table 48. Application server-related parameters of Platform (continued)

Parameter name	Parameter description
PLAT_MANAGEMENT_HTTPS_PORT	The management `HTTPS` port number for the Platform system.
PLAT_AJP_PORT	The `AJP` port number for the Platform system.
PLAT_HTTP_PORT	The `HTTP` port number for the Platform system.
PLAT_HTTPS_PORT	The `HTTPS` port number for the Platform system.
PLAT_RECOVERY_ENV_PORT	The recovery environment port number of the Platform system.
PLAT_STATUS_MANAGER_PORT	The status manager port number of the Platform system.
WLS_DOMAIN_NAME	Domain name of the `WLS` server.
WLS_SERVER_NAME	Server name of the `WLS` server.
WLS_Port	The `WLS` port for access.
WLS_DOMAIN_LOCATION	The location of the `WLS` domain files.
WLS_HOME_DIR	The location of the `WLS` home directory.
WLS_MIN_HEAP	Minimum heap size for `WLS`.
WLS_MAX_HEAP	Maximum heap size for `WLS`.
WLS_JDBC_DRIVER	The location of the `WLS` `JDBC` driver.
WLS_CREATION_DELAY	The delay duration, in seconds, for `WLS` creation.
WLS_START_DELAY	The delay duration, in seconds, for starting `WLS`.
WLS_JDBC_DRIVER_CLASS	The `JDBC` driver class name for `WLS`.
WLS_DB_TEST_STATEMENT	The string for display when `WLS` database Test succeeds.

Segment Central configurations

To configure Segment Central for Cloud Native Unica, make the necessary modifications to the `segmentcentral-configMap.yaml` file.

To access the `segmentcentral-configMap.yaml` file, navigate to `/unica/templates/` in the Unica charts folder. Open the file and make modifications to the following parameters:

Table 49. Common parameters for Segment Central

Parameter name	Parameter description
SEGMENTCENTRAL_PRODUCT_NAME	`Segmentcentral`

Table 49. Common parameters for Segment Central (continued)

Parameter name	Parameter description
SEGMENT_CENTRAL_WAR_NAME	SegmentCentral.war
SEGMENTCENTRAL_APPLICATION_NAME	segmentcentral
SEGMENTCENTRAL_DOMAIN_USERNAME	root
SEGMENTCENTRAL_DOMAIN_PASSWORD	unica*03
SEGMENTATIONENGINE_PRODUCT_NAME	Segmentationengine
SEGMENTATION_ENGINE_WAR_NAME	SegmentationEngine.war
SEGMENTATIONENGINE_APPLICATION_NAME	segmentationengine
SEGMENTATIONENGINE_DOMAIN_USERNAME	root
SEGMENTATIONENGINE_DOMAIN_PASSWORD	unica*03

Table 50. Application Server-related parameters for Segment Central

Parameter name	Parameter description
SEGMENTCENTRAL_HOST_NAME	{{ .Release.Name }}-unica-segmentcentral
SEGMENTCENTRAL_MANAGEMENT_PORT	9066
SEGMENTCENTRAL_MANAGEMENT_HTTPS_PORT	9995
SEGMENTCENTRAL_AJP_PORT	8010
SEGMENTCENTRAL_HTTP_PORT	9140
SEGMENTCENTRAL_HTTPS_PORT	9446
SEGMENTCENTRAL_RECOVERY_ENV_PORT	4714
SEGMENTCENTRAL_STATUS_MANAGER_PORT	4715
SEGMENTCENTRAL_MIN_HEAP	1024m
SEGMENTCENTRAL_MAX_HEAP	2048m
SEGMENTCENTRAL_URL	{{ include ip.protocol . }}://{{ .Values.service.hostname }}/SegmentCentral
SEGMENTCENTRAL_INTERNAL_URL	http://{{ .Release.Name }}-unica-segmentcentral:9140/SegmentCentral
PRODUCT_OPTS_SEGMENTCENTRAL	-DSEGMENT_CENTRAL_HOME=/docker/unica/SegmentCentral/ -DENABLE_NON_PROD_MODE=true

Table 51. Application Server-related parameters for Segment Central Engine

Parameter name	Parameter description
SEGMENTATIONENGINE_HOST_NAME	`{{ .Release.Name }}-unica-segmentationengine`
SEGMENTATIONENGINE_MANAGEMENT_PORT	`9067`
SEGMENTATIONENGINE_MANAGEMENT_HTTPS_PORT	`9996`
SEGMENTATIONENGINE_AJP_PORT	`8011`
SEGMENTATIONENGINE_HTTP_PORT	`9141`
SEGMENTATIONENGINE_HTTPS_PORT	`9447`
SEGMENTATIONENGINE_RECOVERY_ENV_PORT	`4715`
SEGMENTATIONENGINE_STATUS_MANAGER_PORT	`4716`
SEGMENTATIONENGINE_MIN_HEAP	`1024m`
SEGMENTATIONENGINE_MAX_HEAP	`2048m`
SEGMENTATIONENGINE_INTERNAL_URL	`http://{{ .Release.Name }}-unica-segmentationengine:9141/SegmentationEngine`
PRODUCT_OPTS_SEGMENTATIONENGINE	`-DSEGMENT_CENTRAL_HOME=/docker/unica/SegmentCentral/ -DENABLE_NON_PROD_MODE=true`

Table 52. Database-related parameters for Segment Central

Parameter name	Parameter description
SEGMENTCENTRAL_USER_JNDI_NAME	`{{ .Values.segmentcentralData.segmentcentralConfigMapData.SEGMENTCENTRAL_USER_JNDI_NAME }}`
SEGMENTCENTRAL_USER_POOL_NAME	`{{ .Values.segmentcentralData.segmentcentralConfigMapData.SEGMENTCENTRAL_USER_POOL_NAME }}`
SEGMENTCENTRAL_USER_DATABASE_HOST	`{{ .Values.segmentcentralData.segmentcentralConfigMapData.SEGMENTCENTRAL_USER_DATABASE_HOST }}`
SEGMENTCENTRAL_USER_DATABASE_PORT	`{{ .Values.segmentcentralData.segmentcentralConfigMapData.SEGMENTCENTRAL_USER_DATABASE_PORT }}`
SEGMENTCENTRAL_USER_DATABASE_NAME	`{{ .Values.segmentcentralData.segmentcentralConfigMapData.SEGMENTCENTRAL_USER_DATABASE_NAME }}`
SEGMENTCENTRAL_USER_DATABASE_USERNAME	`{{ .Values.segmentcentralData.segmentcentralConfigMapData.SEGMENTCENTRAL_USER_DATABASE_USERNAME }}`
SEGMENTCENTRAL_USER_DATABASE_PASSWORD	`{{ .Values.segmentcentralData.segmentcentralConfigMapData.SEGMENTCENTRAL_USER_DATABASE_PASSWORD }}`

Table 52. Database-related parameters for Segment Central (continued)

Parameter name	Parameter description
SEGMENTCENTRAL_USER_DS_INITIAL_SIZE	{{ .Values.segmentcentralData.segmentcentralDSMData.SEGMENTCENTRAL_USER_DS_INITIAL_SIZE }}
SEGMENTCENTRAL_USER_DS_MIN_IDLE	{{ .Values.segmentcentralData.segmentcentralDSMData.SEGMENTCENTRAL_USER_DS_MIN_IDLE }}
SEGMENTCENTRAL_USER_DS_MAX_IDLE	{{ .Values.segmentcentralData.segmentcentralDSMData.SEGMENTCENTRAL_USER_DS_MAX_IDLE }}
SEGMENTCENTRAL_USER_DS_MAX_TOTAL	{{ .Values.segmentcentralData.segmentcentralDSMData.SEGMENTCENTRAL_USER_DS_MAX_TOTAL }}
SEGMENTCENTRAL_USER_DS_STATEMENT_CACHE_SIZE	{{ .Values.segmentcentralData.segmentcentralDSMData.SEGMENTCENTRAL_USER_DS_STATEMENT_CACHE_SIZE }}
SEGMENTCENTRAL_USER_DATA_SOURCE_PARAMETERS	{{ .Values.segmentcentralData.segmentcentralDSMData.SEGMENTCENTRAL_USER_DATA_SOURCE_PARAMETERS }}

Table 53. Database-related parameters for Segment Central Engine

Parameter name	Parameter description
SEGMENTATIONENGINE_USER_POOL_NAME	{{ .Values.segmentationengineData.segmentationengineConfigMapData.SEGMENTATIONENGINE_USER_POOL_NAME }}
SEGMENTATIONENGINE_USER_DATABASE_HOST	{{ .Values.segmentationengineData.segmentationengineConfigMapData.SEGMENTATIONENGINE_USER_DATABASE_HOST }}
SEGMENTATIONENGINE_USER_DATABASE_PORT	{{ .Values.segmentationengineData.segmentationengineConfigMapData.SEGMENTATIONENGINE_USER_DATABASE_PORT }}
SEGMENTATIONENGINE_USER_DATABASE_NAME	{{ .Values.segmentationengineData.segmentationengineConfigMapData.SEGMENTATIONENGINE_USER_DATABASE_NAME }}
SEGMENTATIONENGINE_USER_DATABASE_USERNAME	{{ .Values.segmentationengineData.segmentationengineConfigMapData.SEGMENTATIONENGINE_USER_DATABASE_USERNAME }}
SEGMENTATIONENGINE_USER_DATABASE_PASSWORD	{{ .Values.segmentationengineData.segmentationengineConfigMapData.SEGMENTATIONENGINE_USER_DATABASE_PASSWORD }}
SEGMENTATIONENGINE_USER_DS_INITIAL_SIZE	{{ .Values.segmentationengineData.segmentationengineDSMData.SEGMENTATIONENGINE_USER_DS_INITIAL_SIZE }}
SEGMENTATIONENGINE_USER_DS_MIN_IDLE	{{ .Values.segmentationengineData.segmentationengineDSMData.SEGMENTATIONENGINE_USER_DS_MIN_IDLE }}
SEGMENTATIONENGINE_USER_DS_MAX_IDLE	{{ .Values.segmentationengineData.segmentationengineDSMData.SEGMENTATIONENGINE_USER_DS_MAX_IDLE }}

Table 53. Database-related parameters for Segment Central Engine (continued)

Parameter name	Parameter description
SEGMENTATIONENGINE_USER_DS_MAX_TOTAL	`{{ .Values.segmentationengineData.segmentationengineDSMData.SEGMENTATIONENGINE_USER_DS_MAX_TOTAL }}`
SEGMENTATIONENGINE_USER_DS_STATEMENT_CACHE_SIZE	`{{ .Values.segmentationengineData.segmentationengineDSMData.SEGMENTATIONENGINE_USER_DS_STATEMENT_CACHE_SIZE }}`
SEGMENTATIONENGINE_USER_DATA_SOURCE_PARAMETERS	`{{ .Values.segmentationengineData.segmentationengineDSMData.SEGMENTATIONENGINE_USER_DATA_SOURCE_PARAMETERS }}`

Sub-chart configuration in Helm charts

To run a database container as a sub-chart, the database must reside within the cluster. Sub-charts have their own `configMap` for configurations.

Note: Cloud Native Unica does not own the database.

values.yaml driven configurations

1. Database and Data source memory related parameters can be configured in `values.yaml` and Product `configmap.yaml` files as shown in the following examples:
   - **Values file example**:

```
campaignData:
  campaignConfigMapData:
    CAMPAIGN_DATABASE_HOST: "hcl-unica-suite-database"
    CAMPAIGN_DATABASE_PORT: "9088"
    CAMPAIGN_DATABASE_NAME: "campuser:ONEDB_SERVER=onedb"
    CAMPAIGN_DATABASE_USERNAME: "onedbsa"
    CAMPAIGN_DATABASE_PASSWORD: "onedb4ever"
    CAMPAIGN_DSN_NAME: "campuser"
  campaignDSMData:
    CAMPAIGN_DS_INITIAL_SIZE: "1"
    CAMPAIGN_DS_MIN_IDLE: "1"
    CAMPAIGN_DS_MAX_IDLE: "1"
    CAMPAIGN_DS_MAX_TOTAL: "80"
    CAMPAIGN_DS_STATEMENT_CACHE_SIZE: "180"
    CAMPAIGN_DATA_SOURCE_PARAMETERS:
 "removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'"
```

   - **Reflected in Campaign configmap file**:

```
CAMPAIGN_DATABASE_HOST:
 "{{ .Values.campaignData.campaignConfigMapData.CAMPAIGN_DATABASE_HOST }}"
  CAMPAIGN_DATABASE_PORT:
 "{{ .Values.campaignData.campaignConfigMapData.CAMPAIGN_DATABASE_PORT }}"
  CAMPAIGN_DATABASE_NAME:
 "{{ .Values.campaignData.campaignConfigMapData.CAMPAIGN_DATABASE_NAME }}"
  CAMPAIGN_DATABASE_USERNAME:
 "{{ .Values.campaignData.campaignConfigMapData.CAMPAIGN_DATABASE_USERNAME }}"
```

```
  CAMPAIGN_DATABASE_PASSWORD:
 "{{ .Values.campaignData.campaignConfigMapData.CAMPAIGN_DATABASE_PASSWORD }}"
  CAMPAIGN_DSN_NAME: "{{ .Values.campaignData.campaignConfigMapData.CAMPAIGN_DSN_NAME }}"


  CAMPAIGN_DS_INITIAL_SIZE:
 "{{ .Values.campaignData.campaignDSMData.CAMPAIGN_DS_INITIAL_SIZE }}"
  CAMPAIGN_DS_MIN_IDLE: "{{ .Values.campaignData.campaignDSMData.CAMPAIGN_DS_MIN_IDLE }}"
  CAMPAIGN_DS_MAX_IDLE: "{{ .Values.campaignData.campaignDSMData.CAMPAIGN_DS_MAX_IDLE }}"
  CAMPAIGN_DS_MAX_TOTAL: "{{ .Values.campaignData.campaignDSMData.CAMPAIGN_DS_MAX_TOTAL }}"
  CAMPAIGN_DS_STATEMENT_CACHE_SIZE:
 "{{ .Values.campaignData.campaignDSMData.CAMPAIGN_DS_STATEMENT_CACHE_SIZE }}"
```

2. Parameters categorization: Each product is separately defined by a tag in the `values.yaml` file and subtag is provided for Data type: database or data source memory.
    - **Example: Data type categorisation (Database and Data source memory)**

```
campaignData:
  campaignConfigMapData:
    CAMPAIGN_DATABASE_HOST: "hcl-unica-suite-database"
    CAMPAIGN_DATABASE_PORT: "9088"
    CAMPAIGN_DATABASE_NAME: "campuser:ONEDB_SERVER=onedb"
    CAMPAIGN_DATABASE_USERNAME: "onedbsa"
    CAMPAIGN_DATABASE_PASSWORD: "onedb4ever"
    CAMPAIGN_DSN_NAME: "campuser"
  campaignDSMData:
    CAMPAIGN_DS_INITIAL_SIZE: "1"
    CAMPAIGN_DS_MIN_IDLE: "1"
    CAMPAIGN_DS_MAX_IDLE: "1"
    CAMPAIGN_DS_MAX_TOTAL: "80"
    CAMPAIGN_DS_STATEMENT_CACHE_SIZE: "180"
    CAMPAIGN_DATA_SOURCE_PARAMETERS:
 "removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'"
```

    - **Example: Product wise categorisation**

```
collaborateData:
  collaborateConfigMapData:
    COLLABORATE_DATABASE_HOST: "hcl-unica-suite-database"
    COLLABORATE_DATABASE_PORT: "9088"
    COLLABORATE_DATABASE_NAME: "platuser"
    COLLABORATE_DATABASE_USERNAME: "informix"
    COLLABORATE_DATABASE_PASSWORD: "in4mix"

  collaborateDSMData:
    COLLABORATE_DS_INITIAL_SIZE: "1"
    COLLABORATE_DS_MIN_IDLE: "1"
    COLLABORATE_DS_MAX_IDLE: "1"
    COLLABORATE_DS_MAX_TOTAL: "80"
    COLLABORATE_DS_STATEMENT_CACHE_SIZE: "180"
    COLLABORATE_DATA_SOURCE_PARAMETERS:
 "removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'"

contactcentralData:
  contactcentralConfigMapData:
    CONTACTCENTRAL_DATABASE_HOST: "hcl-unica-suite-database"
    CONTACTCENTRAL_DATABASE_PORT: "9088"
    CONTACTCENTRAL_DATABASE_USERNAME: "onedbsa"
    CONTACTCENTRAL_DATABASE_PASSWORD: "onedb4ever"
```

```
    CONTACTCENTRAL_DATABASE_NAME: "platuser:ONEDB_SERVER=onedb"
  contactcentralDSMData:
    CONTACTCENTRAL_DS_INITIAL_SIZE: "1"
    CONTACTCENTRAL_DS_MIN_IDLE: "1"
    CONTACTCENTRAL_DS_MAX_IDLE: "1"
    CONTACTCENTRAL_DS_MAX_TOTAL: "80"
    CONTACTCENTRAL_DS_STATEMENT_CACHE_SIZE: "180"
    CONTACTCENTRAL_DATA_SOURCE_PARAMETERS:
 "removeAbandonedTimeout='300';removeAbandoned='true';testOnBorrow='true'"
```

3. `JAVA_HOME` is set in `values.yaml`.
   - `JAVA_HOME`, `DOCKER_HOME`, `JRE_HOME, DIRECTOR_JAVA_HOME` parameters have same value assigned in common configmap files.

     ```
     DOCKER_JAVA_HOME: "{{  .Values.commonConfigMapMiscData.JAVA_HOME }}"
     DIRECTOR_JAVA_HOME: "{{ .Values.commonConfigMapMiscData.JAVA_HOME }}"
     JRE_HOME: "{{  .Values.commonConfigMapMiscData.JAVA_HOME }}"
     JavaHOME: "{{  .Values.commonConfigMapMiscData.JAVA_HOME }}"
     ```

   - `JAVA_HOME`: `docker/unica/jre` is defined in values file and used in the `common_configmap.yaml` file. If you have installed JRE in a custom path, set `JAVA_HOME` to `<Custom-JRE-Path>`. For example, if the custom JRE installation path is `/docker/unica/JdbcDrivers/jre`, replace *<Custom-JRE-Path>* by `/docker/unica/JdbcDrivers/jre`.
4. Ingress updates with version 1.22:
   - For k8s 1.22 version API updates have been made to RBAC and INGRESS files also ingress structure is changed as per K8S update.
   - **Example old ingress**:

     ```
     rules:
       - host: {{ .Values.service.hostname }}
         http:
           paths:
           - path: /Insights
             backend:
               serviceName: {{ include "unica.fullname" . }}-insights
               servicePort: {{ .Values.service.port.insights }}
     ```

   - **Example new ingress**:

     ```
     rules:
       - host: {{ .Values.service.hostname }}
         http:
           paths:
           - path: /Insights
             pathType: Prefix
             backend:
               service:
                 name: {{ include "unica.fullname" . }}-insights
                 port:
                    number: {{ .Values.service.port.insights }}
     ```