

Omnistore – Deployment Process

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DOCUMENT REVISION HISTORY

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List of Abbreviations

Abbreviation	Expanded Form
TCS	Tata Consultancy Services
KITS	Kingfisher IT services Limited
EC	Enterprise Console
BO	Back Office
POS	Point of Sale
WAR	Web Archive
JAR	Java Achieve
DDL	Data Definition Language
DML	Data Manipulation Language

1 TCS product team deliverables and its artifacts

TCS Omnistore product team will share the necessary build releases and its artifacts to KITS account team. The authorised person from product team will send a mail to KITS environmental team to deploy and test product release features in KITS IT environment. The major core products are

1. Enterprise console application (EC)
2. Back office application (BC)
3. Pos register application

The detail mail from product team which contains the following information against each release will be depicted below

1. Build location for KITS account Team

/u03/retail_pos_sftp/retail_pos1/retail_pos1/Omnistore7.3_v31141_Sprint7_QA_Jun 26

2. Incremental DDL and DML against the release

\\u03\retail_pos_sftp\retail_pos1\retail_pos1\Omnistore7.3_v31141_Sprint7_QA_Jun 26\Database\KITS Specific Incremental Scripts

3. Artifacts Available – The updated artifacts will be highlighted here

1. Alert and Monitoring (updated)
2. Configuration files (no change)
3. Database (no change)
4. Gap467-FinanceReports (no change)
5. Installable (updated)
6. properties files (no change)
7. Release Note (updated)
9. Service Traceability (no change)
10. Swagger (no change)
11. SymmDS Scripts (updated)
12. Templates (updated)
13. Fixed Defects_DevPlus_26 Jun.xls

2 War files deployment process

Upon receiving the build the deadpool team will take it forward to deploy it in SIT (E Server). There are three types of checklist will be followed in deadpool team as part of deployment process.

1. Pre-Deployment process
2. War file deployment process
3. Post-Deployment process

2.1 Pre deployment Process

The pre-deployment process are

- a. Mail has been sent to respective stakeholders about new version is going to be deploy in E server environment
- b. Take the backup of all the relevant war files for rollback when there is any issue in war files provided by product team
- c. DB database backup
- d. Stop the wildfly server and its associated services

2.2 War file deployment process

The modified WAR file's that are needs to be deployed in various web based applications. The impacted applications are given below

1. Enterprise console application (EC)
2. Back office Application (BO)
3. POS Application(Register)

2.2.1 Enterprise console - War file deployment process

The following WAR files need to be deployed in Enterprise console application. The modified war files need to be placed in the below mentioned path if any changes made by product team. The EC application running in Linux machine.

Path:

/app/wildfly-9.0.2.Final/standalone/deployments

1. Omnistore-ec-ui-7.x.war
2. Omnistore-pos-services-7.3.war
3. Omnistore-dataloader-batch.war
4. Omnistore-monitoring.war
5. Omnistore-useragent-web.war

Upon completing the WAR file deployment, run the incremental oracle script

Oracle DB incremental DDL/DML Script:

Run the incremental DDL and DML script in oracle database provided by the TCS product team

2.2.2 Back office - War file deployment process

The following WAR files need to be deployed in Enterprise console application. The backoffice application deployed in Windows 2012 server. The server path given below

D:\OmniStore\wildfly-9.0.2.Final\standalone\deployments

1. Omnistore-bo-ui-7.x.war – Backoffice UI War file
2. Omnistore-pos-services-7.3.war – POS Services War file
3. omnistore-store-batch-7.3 – Store level batches

Postgres DB incremental DDL/DML Script:

Run the incremental DDL and DML script in Postgres database provided by the TCS product team

2.2.3 POS Register - War file deployment process

The following two WAR files need to be deployed in POS Register. The path details will be given below

D:\OmniStore\wildfly-9.0.2.Final\standalone\deployments

1. Omnistore-POS-ui-INSS1.x.war – POS UI War file
2. Omnistore-pos-services-7.3.war – POS Services War file

Postgres DB incremental DDL/DML Script:

Run the incremental DDL and DML script in postgres database provided by the TCS product team

3 Post deployment configuration changes in BO/POS

The following configuration changes are required after deployment in BO and POS application. The configuration files are mentioned below

1. Transaction number generator:

Filename: txn_num_generator.properties

WAR Name: omnistore-pos-services-7.3.war

JAR Name : transactionnumbergenerator-1.0.jar

File Path inside the POS services war file:

\omnistore-pos-services-7.3.war\WEB-INF\lib\omnistore-transactionnumbergenerator-1.0.jar\properties\

Sample Entries will be depicted below

```
#####
#####
# Other Configurations
#####
#####
date.format=ddMMYY
transaction.sequence.digits=4
append.check.digit=Y
transaction.bugid.length= 4
transaction.wsid.length=6
#####
```

2. Barcode Generator:

File Name: barcodeextensions.properties

Jar file name: \omnistore-pos-services-7.3.war\WEB-INF\lib\Omnistore-Barcodeanalyzer-Extension-1.0.jar\

Description: Remove all the entries in the barcodeextensions.properties file. It should be zero bytes in size. This is related to scanner functionality to accept all the barcode.

3. Gift card Implementation:

Filename : giftcard-beans.xml

Jar file name: \omnistore-pos-services-7.3.war\WEB-INF\lib\omnistore-adapter-giftcardimpl-1.0.jar\

Description: Ensure that Gift card service should always points to **SVSGiftCardServiceImpl**.

Sample Entries will be depicted below

```
<!-- Service bean configurations -->

<bean id="giftCardSvc"
      class="com.tcs.retail.store.giftcard.serviceimpl.SVSGiftCardServiceImpl">
</bean>

<!-- <bean id="giftCardSvc"
      class="com.tcs.retail.store.giftcard.serviceimpl.GiftCardServiceImpl"> →
</bean>
```

4 Start the Jboss server and its associated services

Upon completing the deployment of WAR files in EC/BO/POS register, it is mandatory to restart the Wildfly server and its associated services.

EC Application Server specific services:

1. Wildfly server 9.0.2
2. SymmetricDS 3.8.0

BO Application Server specific services:

1. Wildfly server 9.0.2
2. SymmetricDS 3.8.0

In POS register, the following services needs to be restarted

1. Wildfly server 9.0.2
2. JMR for Payments integration
3. Omnistore Device
4. Omnistore Payment
5. SymmetricDS

5 Current environmental setup URL's

E Server For SIT	
CO App Test	http://lnxs0813.ghanp.kfplc.com:8183/omnistore-ec
BO App Test	http://app1760.uk.b-and-q.com:8183/omnistore-bo
Till Test	http://localhost:8183/omnistore-pos-ui-lnSS1.0

F Server for UAT	
CO App Test	http://lnxs0948.ghanp.kfplc.com:8183/omnistore-ec
BO App Test	http://app1761.uk.b-and-q.com:8183/omnistore-bo
Till Test	http://localhost:8183/omnistore-pos-ui-lnSS1.0

Q Server	
CO App Test	http://lnxs0953.ghanp.kfplc.com:8183/omnistore-ec
BO App Test	http://APP2931.uk.b-and-q.com:8183/omnistore-bo
Till Test	http://localhost:8183/omnistore-pos-ui-lnSS1.0

D Server	
CO App Test	http://lnxs0954.ghanp.kfplc.com:8183/omnistore-ec
BO App Test	http://APP2930.uk.b-and-q.com:8183/omnistore-bo
Till Test	http://localhost:8183/omnistore-pos-ui-lnSS1.0

V Server For Performance	
CO App Test	http://Inxs1065.ghanp.kfplc.com:8183/omnistore-ec
BO App Test	http://APP1986.uk.b-and-q.com:8183/omnistore-bo
Till Test	http://localhost:8183/omnistore-pos-ui-InSS1.0