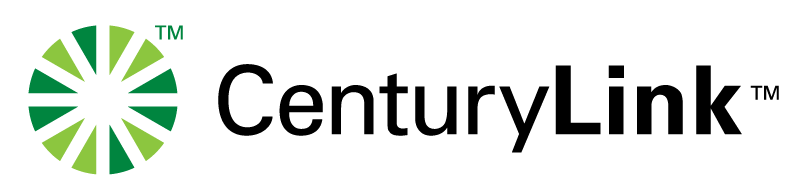
****

**FOSS Release Definition Document**

**This document describes the Release Definition for 34S-CPM. This document is subject to review, approval, and change control procedures. This is a living document and subject to revisions. This document must be completed and reviewed accordingly by Development. Those Sections identified with a <Required> entry, please review and complete accordingly. If a Section of the document is deemed, *Not Applicable* (N/A), enter “*Not Applicable”* within the identified Section and continue the completion of the document.**

**The FOSS Requirements document located at URL:**

<http://cshare.ad.qintra.com/sites/EAO/fossops/EWS%20Getting%20Started%20for%20Developers/JBOSS-EWS_Requirements.doc>

**This document covers all coding, delivery, and naming standards to support your application delivery into test and production. Failure to review this document will result in a delay of acceptance of your code by the FOSS installation team.**

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**Document Information**

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**Document Location**

This document template is located at: <http://cshare.ad.qintra.com/sites/EAO/fossops/default.aspx>

**Document History**

All revisions made to this document are listed here in chronological order.

| **Date** | **Author** | **Version Number** | **Description** | **Nature of Revision** |
| --- | --- | --- | --- | --- |
| 23/04/2022 | 34s-DevTeam | 15.0 | Initial Draft | Initial Draft |
|  |  |  |  |  |
|  |  |  |  |  |
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# Project Overview

34S is deploying the following project with December Release.

**Add credentials for 34S Client under Azure Requirement**

## RCBS and RC Codes

*<Requirement> This section shall identify both the RCBS and RC codes for supporting this Project.*

## Referenced Documents

The documents listed in the table below are referenced within this RDD.

Table 1 - Referenced Documents

| ***Title*** | ***Purpose*** | ***Location*** |
| --- | --- | --- |
|  |  |  |
|  |  |  |

## Personnel Contact List

*<Requirement> This section shall identify the contact and area of responsibility to support the project’s installation activities.*

Table 2 – Organizational Responsibilities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Name*** | ***Phone*** | ***Net Tool Pin*** | ***Email*** | ***Responsibility*** |
| FOSS-WEB-ENG |  | 160683 | [fosswebeng@centurylink.com](mailto:fosswebeng@centurylink.com) | FossWebEng Lead |
| Facy Jose |  |  | Facy.Jose@CenturyLink.com | Manager/Team Lead |
| Sakshi Runwal |  |  | Sakshi.a.runwal@centurylink.com | Developer |
| Manoranjan Mishra |  |  | manoranjan.mishra@centurylink.com | Developer |
| Sundar reddy |  |  | rachepallisundarkumar.reddy@centurylink.com | Developer |
| Biswajit Tanayaratan |  |  | Biswajit.Tanayaratan@centurylink.com | Tester |
| Amit Kumar |  |  | amit.kumar@centurylink.com | Tester |
| Enterprise Test |  | 97293 | [etsuport@centurylink.com](mailto:etsuport@centurylink.com) | Enterprise Test |

# Implementation Dates

## Test Date Information

*<Requirement> This section shall identify estimated Test Start Date information.*

|  |  |
| --- | --- |
| ***Estimated Test Start Date*** |  |
| ***Estimated Test Completion Date:*** |  |

## Production Date Information

*<Requirement> This section shall identify estimated Production Date information.*

|  |  |
| --- | --- |
| ***Production Install Date*** | 23/04/2022 IST |
| ***Production Go Live Date*** | 23/04/2022 IST |

# Installation Requirements

All applications will submit code to Dimensions. Test and Production will only deploy code that is received from Dimensions. After the code has been installed the following additional information will be required to complete the deployment.

This Section MUST be completed by Development.

## Installation prerequisites

*<Requirement> This section shall identify any prerequisites required to install the application. This identification should include any environment prerequisites, interfaces, third-party software, or drivers required for the application.*

*< Begin Example >*

|  |  |
| --- | --- |
| ***Prerequisite*** | ***Description*** |
| JBOSS-JWS 8.0 | JBOSS-Enterprise Web Server (EWS) |
| JDK 1.8 | Sun JDK 1.8.X |

*< End Example >*

Table 4 – Installation Prerequisites

|  |  |
| --- | --- |
| ***Prerequisite*** | ***Description*** |
| Apache 2.4 | Apache Web Server |
| JDK 1.8 | Sun JDK 1.8 |
| Sendmail server | Sendmail server for sending emails from application |
| Tomcat 8 | Tomcat application server |

## Application Dependencies

*<Requirement> This section shall list any dependencies that the application will require in test and prod environments. Include Legacy systems, Web Services, Applications, Tibco, Databases, and anything else this project uses.*

Table 5 – Application Dependencies

|  |  |
| --- | --- |
| ***Dependency*** | ***Reason for Dependency*** |
| *1IP* | *Up and Downstream application* |
| *NTFWF* | *Up and Downstream application* |
| *E-Billing* | *Downstream application* |
| *KAL-EWS-IP-LOCAL-B* | *Downstream application* |
| *MYA-MYACCOUNT* | *Downstream application* |
| *QCDSLIT* | *Upstream and Downstream application* |
| *THUNDERCAT* | *Downstream application* |
| *IOM* | *Downstream application* |
| *EWM-EXT-BPM* | *Up and Downstream application* |
| *35S-WEB-MAIL-V01CE-S* | *Downstream application* |
| *MYACCT-CT* | *Upstream application* |
| *ENJ-ENSEMBLE-JAVA-AP* | *Up and Downstream application* |
| *REPSWEB* | *Downstream application* |
| *DVAR PO* | *Upstream application* |
| *BLUE MARBLE ORDER MANAGEMENT* | *Upstream application* |
| *SALESFORCE SERVICE CLOUD* | *Downstream application* |
| *CDS* | *Upstream application* |

## Pre-Release Activities

<Requirement> This section shall include any special instructions required to install the application successfully. Be sure to include scheduling requirements with the DBAs and other essential departments to the application. Include things like Tibco installations and other 3rd party products as well.

Instructions to PASE team:

Updated Steps for Deployment:

1. Pase Team to bring down the Kafka process and both the instances.
2. DBA team to reset the password.
3. Deploy tar file from dimensions IT3000
4. SMR : 34S\_CPM\_SMR\_41
5. Configure the Crontab for new cron jobs.
6. Run the ewsdeploy script on 34scpm.3.26.0.tar
7. Update the context.xml and application.properties files
8. Restart 34S services instances after tar deployment
9. Validate deployment by checking log files
10. Login to 759 instance of 34S
11. Run the below commands(To be ran once notified by Dev Team and Business):
    1. **cd /foss/foss-ews/instances/<Domain\_Home>/current/Qwest/kafka-jar**
    2. **nohup java -Xms1024m -Xmx1024m -Dspring.profiles.active=prod** -**jar Kafka-Consumer-0.0.1-SNAPSHOT.war >> ../../logs/Consume\_BMOM\_Kafka\_POC.log 2>&1 &**
12. Validate deployment by checking the running process and log files
13. Everytime a new deployment or bounce is needed, please shut down the kafka listener first and then start after deployment is done and validated.

DEPLOY THE TAR FILE

1) Stop the tomcat instances for 34S-CPM(vlodpjws759 & vlodpjws760)

2) Take a backup of existing tar

3) Download the latest tar from Dimensions (IT3000: pcms: 34S\_CPM\_SMR\_41: 3.26.0.11)

4) Deploy the latest tar

5) Start the tomcat instances for 34S-CPM

## Java Options and Catalina Options

*<Requirement> This section shall identify custom Java options and Catalina options that are being used (See Example below). If Test and Production are the same, indicate such in the following section by placing – “****Same****” within one of the sections. Don’t retype the information.*

Note: List only one option per line.

< Begin Example >

#JAVA\_OPTS="${JAVA\_OPTS} -Xminf0.1 -Xmaxf0.3"

#JAVA\_OPTS="${JAVA\_OPTS} -server -Xms256m -Xmx256m -Xns128m -XX:MaxPermSize=64m -XX:+PrintGCDetails -Xloggc:gclogs.txt"

#JAVA\_OPTS="${JAVA\_OPTS} -Djava.awt.headless=true"

JAVA\_OPTS="${JAVA\_OPTS} -server –Xms1024m –Xmx3072m "  
< End Example >

< Begin Example >

#CATALINA\_OPTS="$CATALINA\_OPTS -Djava.security.debug=all"

#CATALINA\_OPTS="$CATALINA\_OPTS -Djava.security.debug=access,failure"

CATALINA\_OPTS="${CATALINA\_OPTS} -Dcom.sun.management.jmxremote"

CATALINA\_OPTS="${CATALINA\_OPTS} -Dcom.sun.management.jmxremote.port=9184"

CATALINA\_OPTS="${CATALINA\_OPTS} -Dcom.sun.management.jmxremote.ssl=false"

CATALINA\_OPTS="${CATALINA\_OPTS} -Dcom.sun.management.jmxremote.authenticate=false"

CATALINA\_OPTS="$CATALINA\_OPTS -Denv=dev"

CATALINA\_OPTS="$CATALINA\_OPTS -Djava.security.auth.login.config==${CATALINA\_BASE}/conf/jaas.config"

CATALINA\_OPTS="$CATALINA\_OPTS -Djavax.net.ssl.trustStore=/foss/foss-ews/certs/QwestCA\_DEV.keystore"

CATALINA\_OPTS="$CATALINA\_OPTS -Djavax.net.ssl.trustStorePassword=changeit"  
< End Example >

### Requirements for Test

### Requirements for Production

## Database Requirements

*<Requirement>*If used, please copy your context.xml files below. If not used, please provide database connections information in the table 6 & 7 below for reference.

Table 6 – Database Requirements for FOSS Test

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Server*** | ***Database Name*** | ***Port*** | ***SID (Oracle)*** | ***Username*** | ***Password*** |
| **lxdnt79m.dev.intranet** | Cpmd1 | 1554 | Cpmd1 | ess3\_owner | temp1234 |

< Begin Example >

**context.xml.itv1:**

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

<Context reloadable="true">

    <Resource name="jdbc/isys.dataSource"

    auth="Container"

    type="javax.sql.DataSource"

    username="xyz password="XXX"

    factory="org.apache.commons.dbcp.BasicDataSourceFactory"

    driverClassName="oracle.jdbc.driver.OracleDriver"

    url="jdbc:oracle:thin:@suomt92d.dev.qintra.com:1528:TST3QC"

    maxActive="10"

    maxIdle="5"

    maxWait="1000"

    validationQuery="SELECT \* FROM DUAL"

    testOnBorrow="false"

    testWhileIdle="true"

    timeBetweenEvictionRunsMillis="60000"

    minEvictableIdleTimeMillis="60000">

    </Resource>

</Context>

< End Example >

**Same for all test environments (context.xml.test1, context.xml.test2, context.xml.test3, context.xml.e2e)**

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

<!--

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limitations under the License.

--><!-- The contents of this file will be loaded for each web application --><Context>

<!-- Default set of monitored resources. If one of these changes, the -->

<!-- web application will be reloaded. -->

<WatchedResource>WEB-INF/web.xml</WatchedResource>

<WatchedResource>${catalina.base}/conf/web.xml</WatchedResource>

<!-- Uncomment this to disable session persistence across Tomcat restarts -->

<!--

<Manager pathname="" />

-->

<!-- Uncomment this to enable Comet connection tacking (provides events

on session expiration as well as webapp lifecycle) -->

<!--

<Valve className="org.apache.catalina.valves.CometConnectionManagerValve" />

-->

<Resource auth="Container" driverClassName="oracle.jdbc.OracleDriver" type="javax.sql.DataSource" name="jdbc/IdMDataSource" url="jdbc:oracle:thin:@ cpm12cd1.corp.intranet:1554:cpmd1" username="ess2\_owner" password="temp1234" maxWaitMillis="10000" removeAbandonedOnBorrow="true" removeAbandonedOnMaintenance="true" maxTotal="200" maxIdle="15" removeAbandonedTimeout="600" logAbandoned="true" testOnBorrow="true" testWhileIdle="true" validationQuery="Select 1 from dual"/>

</Context>

Table 7 – Database Requirements for FOSS Production

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Server*** | ***Database Name*** | ***Port*** | ***SID (Oracle)*** | ***Username*** | ***Password*** |
| **cpmp1.corp.intranet** | Cpmp1 | 1521 | Cpmp1 | ess\_owner | **Wzg2jbCd** |

**context.xml.prod**

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

<!--

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limitations under the License.

--><!-- The contents of this file will be loaded for each web application --><Context>

<!-- Default set of monitored resources. If one of these changes, the -->

<!-- web application will be reloaded. -->

<WatchedResource>WEB-INF/web.xml</WatchedResource>

<WatchedResource>${catalina.base}/conf/web.xml</WatchedResource>

<!-- Uncomment this to disable session persistence across Tomcat restarts -->

<!--

<Manager pathname="" />

-->

<!-- Uncomment this to enable Comet connection tacking (provides events

on session expiration as well as webapp lifecycle) -->

<!--

<Valve className="org.apache.catalina.valves.CometConnectionManagerValve" />

-->

<Resource auth="Container" driverClassName="oracle.jdbc.OracleDriver" type="javax.sql.DataSource" name="jdbc/IdMDataSource" url="jdbc:oracle:thin:@ cpmp1.corp.intranet:1521:cpmp1 " username="ess\_owner" password="**Wzg2jbCd**" maxWaitMillis="10000" removeAbandonedOnBorrow="true" removeAbandonedOnMaintenance="true" maxTotal="200" maxIdle="15" removeAbandonedTimeout="600" logAbandoned="true" testOnBorrow="true" testWhileIdle="true" validationQuery="Select 1 from dual"/>

</Context>

## Additional JBOSS-EWS Configurations

Document any additional configurations your application requires that would need to be added to the <app>.conf file.

## Session State Replication

*<Requirement>*

Does your application have a requirement for Session State Replication?

* If yes, go to this link for detailed instructions <http://collaboration.ad.qintra.com/bu/it/scph/otsarch/TechnologyArchitecture/FOSS_Program/Products/Tomcat/FAQ.aspx#clustersetup>
* Caution – Please ensure that the web.xml contains the <distributable/> element
* Note: All information contained in the session needs to be serializable.

## Apache

*<Requirement>*

Identify your apache configuration requirements here.

Details on Apache standards can be found here: <http://cshare.ad.qintra.com/sites/ESP/apache/default.aspx>

Apache  Server Information for (app34s)

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

WEBSERVER 1

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

Name = app34s-prod-30031-40031

HTTP  Port = 30031

HTTPS Port = 40031

URI's = 34SWebServices

Apache Instance 1 = vlodpap001.corp.intranet

Apache Instance 2 = vlodpap002.corp.intranet

Apache Instance 3 = vlodpap003.corp.intranet

Apache Web Servers URL's

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

<http://vlodpap001.corp.intranet:30031/34SWebServices/services/ThirdPartyServicesImplementationPort?wsdl>

https://vlodpap001.corp.intranet:40031/34SWebServices/services/ThirdPartyServicesImplementationPort?wsdl

<http://vlodpap002.corp.intranet:30031/34SWebServices/services/ThirdPartyServicesImplementationPort?wsdl>

https://vlodpap002.corp.intranet:40031/34SWebServices/services/ThirdPartyServicesImplementationPort?wsdl

<http://vlodpap003.corp.intranet:30031/34SWebServices/services/ThirdPartyServicesImplementationPort?wsdl>

https://vlodpap003.corp.intranet:40031/34SWebServices/services/ThirdPartyServicesImplementationPort?wsdl

VIP URL

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

<http://app34s.foss.corp.intranet/34SWebServices/services/ThirdPartyServicesImplementationPort?wsdl>

https://app34s.foss.corp.intranet/34SWebServices/services/ThirdPartyServicesImplementationPort?wsdl

F5 LoadBalancer

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

F5 DNS = f5-app34s.foss.corp.intranet

F5 IP = 151.117.5.182

Nonstandard configuration requirements, should be listed in table below

For example: rewrite/redirect rules / sticky session

Table 9 – Apache Configuration Information

|  |  |
| --- | --- |
| ***Apache Option*** | ***Configuration Description*** |
|  |  |

## RSA ClearTrust Configurations

*<Requirement> Identify any required RSA ClearTrust configurations here. By default it is assumed RSA authentication will take place on the FOSS apache web servers. Some applications have implemented RSA inside their applications. Although this is not recommended, it is allowed under specific conditions. Please provide a description that describes how you are using RSA in your application.*

*For details on Application Security, please visit:* <http://collaboration.ad.qintra.com/sites/appsec/AccessManagement/default.htm>

*<If using RSA in your app describe here how you are implementing it.>*

*For more information on setting up RSA Cleartrust, the Tomcat Security Filter, and finding RSA contacts please visit the application security web site at* <http://collaboration.ad.qintra.com/sites/appsec/AccessManagement/default.htm>

If using RSA Cleartrust through the apache web servers in FOSS please fill this section out. If you need assistance with this section please ask your FossWebEng Lead to help.

1. Please provide a cleartrust.agent.web\_server\_name. This name is used when setting up your application on the Cleartrust servers. This name will need to be in the following format (ctl.FOSS.<Application>).

**cleartrust.agent.web\_server\_name=**

2. Do you have custom login and error pages you require? Below are the default RSA Cleartrust login

and error pages. If you require your own please modify this section to show your custom pages.

Note: update this section with the URL required to access the appropriate page.

example: http://app.qintra.com/static/error.html would be /static/error.html

3. Are there any parts of your application or static pages that should be excluded from the rsa configuration? If you aren’t sure leave this blank.

**cleartrust.agent.url\_exclusion\_list=**

4. What type of authentication will you use: (**Employee**, **Partner, or Consumer (aka** **MyAccount**)?

**Employee** uses Qwest internal LDAP

**Partner** uses client certificates against LDAPEC

**Consumer** uses the MyAccount Database

**Employee**, **Partner, or Consumer? Partner**

5. Please describe what users, groups, certificates, etc… need to have access to your application. If different users/groups/certificates have access to different parts of your application please be as specific as possible and explain.

<Describe access policy here…>

6. Do you require the username used in the authentication process to be passed back to your application for authorization purposes inside your application? If so, this will be done by setting the ‘ct\_remote\_user’ variable in the HTTP header. If this is a requirement for you please set the variable below to “ct\_remote\_user”.

**cleartrust.agent.user\_header\_list=**

7. If using RSA via the apache web server then you need to implement the Tomcat Security Filter. This filter can be configured in two ways and it protects your application from being accessed directly (bypassing the web servers) by internal users who may know your application instance IP:Port. We can configure this filter to only trust traffic from the IP addresses of the web servers proxying your requests, or we can have the web server set a secret value in the header of the request and have the filter look for that. The FOSS team will be responsible for setting this up for you. You don’t need to know any IP information or secret header values because the FOSS team will configure this. You will be responsible for adding the required tags in your applications web.xml file, and you will need to include the default TomcatSecurityFilter.jar in within your war file (WEB-INF/lib).

## Logging Requirements

*<Requirement>*Applications in FOSS that use Log4j logging need to use extension **.log**   
Additional details can be found in the FOSS Requirements document: <http://cshare.ad.qintra.com/sites/EAO/fossops/EWS%20Getting%20Started%20for%20Developers/JBOSS-EWS_Requirements.doc>

## Logon Procedures & Start/Stop Procedures for the Application

*<Requirement> Identify all steps for logging on to the application and/or system.*

* *Launch SOAP UI*
* *Re-import wsdl if needed*
* *Provide the request xml on the left space for SOAP UI*
* *Run the request xml to check for the response*
* *Logon to the server and check if the logs are getting updated on <path>*

*<Requirement> Identify how to check, start and stop each process that runs your application. If additional information section are required, add accordingly.*

1. Check if <application> is Running, by providing the URI needed to complete the URL:
   1. *<Requirement>*
   2. *<Requirement> perform the following additional steps to verify the application is running here…*
2. *Launch SOAP UI*
3. *Re-import wsdl if needed*
4. *Provide the request xml on the left space for SOAP UI*
5. *Run the request xml to check for the response*
6. *Logon to the server and check if the logs are getting updated on <path>*
7. Start <application> by performing the following:

Note: *Application will use the standard FOSS JBOSS-EWS start script*

1. Shutdown <application> by performing the following:

Note: *Application will use the standard FOSS JBOSS-EWS stop script*

# Post-Release Activities

*<Requirement> Please include any special instructions required to make your application run successfully. Be sure to include additional configurations, or scheduling requirements with other essential departments to the application. If there are specific tests that Test and Production can do to verify the application is working as expected list those here.*

**Test:**

**Production:**

* *Launch SOAP UI*
* *Re-import wsdl if needed*
* *Provide the request xml on the left space for SOAP UI for ManageProfile-getUsersForAccount*
* *Run the request xml to check for the response*
* *Logon to the server and check if the logs are getting updated on /foss/foss-ews/instances/34S-CPM/current/logs/34sWebServices.log*
* *Logon to the server and check if the logs are getting updated on /foss/foss-ews/instances/34S-CPM/current/logs/34SSBAcatoo.log*
* *Logon to the server and check if the logs are getting updated for Kafka on /foss/foss-*

*ews/instances/34S-CPM/current/logs/Consume\_Kafka\_BMOM\_POC.log*

* *The cron job will be setup for the scripts to be run. Validate the files that needs to be generated at /foss/foss-ews/instances/34S-CPM/current/batchjobs and logs at /foss/foss-ews/instances/34S-CPM/current/logs/34sBatchJobs.log*

# Application Procedures

## Backup Procedures

*Remove/Decommission created domain and webservers from the defined servers.*

## Installation Backout Procedures

*<Requirement> Identify the application Installation Backout procedures.*

*Remove the installed tar*

# Subsequent Releases

For subsequent releases update the entire document accordingly, highlighting in RED the changes made to the document and complete the following information.

## Release Notes

*<Requirement> Describe in this section what is new with the application with this release. Include the following information as a minimum:*

**Bug Fixes:**

**New Dependencies:**

**New Features:**

**Changes:**

## FOSS Performance Impacts

*<Requirement> Identify anticipated impacts to the system performance, such as response time. Include an estimate of volume of users or transactions per hr or day.*

Table 10 –Performance Impacts

|  |  |
| --- | --- |
| ***Release Feature*** | ***System Performance Impact*** |
|  |  |

## Security Implications

*<Requirement> Within this section, identify all security implications resulting from the release, such as changes in access privileges, data integrity, or requirements for certificate setup. Also, include whether the security team has approved these changes?*

Table 11 – Security Implications

|  |  |
| --- | --- |
| ***Release Feature*** | ***Security Implication*** |
|  |  |