eOffice

A DIGITAL WORK PLACE SOLUTION

MIS WAR Upgradation
Deployment Document

NIC-EOF-EFILE-DD-001

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Amendment History

Date	Version	Description	Author
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Upgradation of MIS to Version 3.0 (CAS)

Prerequisite:

1. Download latest WAR & DB Scripts from FTP link (https://docs.eoffice.gov.in/FTP).

   Credentials are: **User**: ftp-eoffice and **Password**: will be shared over phone.

2. **DB Scripts download Path**: JAVA_APPLICATIONS→MIS→DB-Scripts→3.0→all .sql files

3. **WAR download Path**: JAVA_APPLICATIONS→MIS→War-File→MIS→3.0/MIS.war

4. Rename the downloaded WAR file name with existed WAR file name accordingly.

5. Then, copy the downloaded DB scripts to DB Server and LR at location **(/var/lib/pgsql/).**

Note:

If the MIS version is not 3.0 then execute the scripts sequentially till 3.0 version. Confirm the MIS version from eFile MIS Reports (Front end application).

*If Logical Replication server is running, then only execute Downloaded 2databasefunctions.sql in LR server otherwise you can skip this **Step 10.1**

Steps for the Deployment of MIS version 3.0 WAR:

Login with "**eoffice**" user for MIS Deployment

   #   su – eoffice

Step 1: Stop/Shutdown MIS Tomcat.

   #   /eOffice/JApps/Tomcat/MIS/bin/shutdown.sh

Step 2: To check logs (Whether all Tomcats are properly shutdown or not).

   #   tail -f /eOffice/JApps/Tomcat/MIS/logs/catalina.out

Step 3: Take the Backup of old MIS WAR, create a war-backup folder (if not exists)

   #   mv MIS /eOffice/JApps/APPS/MIS/war-backup/.

Step 4: Copy the Downloaded Latest MIS into the war-deploy directory.

   For Ex. (Copy Location: /eOffice/ MIS.war)

   #   cp –r MIS.war /eOffice/JApps/APPS/MIS/war-deploy/.

Step 5: Start the MIS Tomcat to extract the MIS.war File

To check the logs MIS Tomcat start properly

tail -f /eOffice/JApps/Tomcat/MIS/logs/catalina.out (For Logs)

Step 6: Now Stop the MIS Tomcat again

/eOffice/JApps/Tomcat/MIS/bin/shutdown.sh

Step 7: Now change the database connection in context.xml (if not exist, copy from older war and configure)

/eOffice/JApps/APPS/MIS/war-deploy/MIS/META-INF/context.xml WEB-INF/web.xml

<Context crossContext="true" reloadable="true" path="/MISReports">

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

<Resource timeBetweenEvictionRunsMillis="30000" validationQuery="Select 1" testWhileIdle="true" url="jdbc:postgresql://lrserver:5432/eOffice" driverClassName="org.postgresql.Driver" password="eoffice" username="eoffice" maxWait="10000" maxIdle="30" maxActive="100" type="javax.sql.DataSource" auth="Container" name="jdbc/MISReports"/>

<Resource timeBetweenEvictionRunsMillis="30000" validationQuery="Select 1" testWhileIdle="true" url="jdbc:postgresql://dbserver:5432/eOffice" driverClassName="org.postgresql.Driver" password="eoffice" username="eoffice" maxWait="10000" maxIdle="30" maxActive="100" type="javax.sql.DataSource" auth="Container" name="jdbc/MasterMISReports"/>

<Resource type="org.nic.eoffice.mis.core.util.OpenOfficeConfiguration" auth="Container" name="openoffice/configuration" ports="2015,2016,2017,2018" home="/opt/openoffice4/" factory="org.apache.naming.factory.BeanFactory"/>

</Context>

Step 8: Now check and enable the cas property in web.xml

vim /eOffice/JApps/APPS/MIS/war-deploy/MIS/WEB-INF/web.xml

Comment the below line:

<!-- /WEB -INF/classes/loginContextDB.xml-->

Uncomment the below line:

/WEB-INF/classes/loginContext_SSO.xml

Step 9: Change the Url/Domain and War name (as per the requirement) in loginContext_SSO.xml

vim /eOffice/JApps/APPS/MIS/war-deploy/MIS/WEB-INF/classes/loginContext_SSO.xml

value="https://eoffice.gov.in/MIS/j_spring_cas_security_check"/>

value="https://eoffice.gov.in/cas/login"/>

value="https://eoffice.gov.in/cas" />

Step 10: Steps needs to be taken at DB end (Master Server) :-

Execute all download scripts in sequence as provided in file name.

1. Login to the DB sever and connect with Database with user eoffice su – postgres.

    /10/bin/psql (10 is for PostgeSQL version.

2. Provide PostgeSQL version to connect the database)

    \l (To list and check owner of the Database)

3. Then, connect with Database

    \c "Database Name"

4. If owner of database is **eoffice** then execute the command - **set role eoffice**;

    \i /var/lib/pgsql/Latest_DB_Scripts (Location of the Downloaded latest DB scripts)

Steps to execute DB Scripts with PGADMIN (Graphical tool)

1. Open PGADMIN Graphical tool.

2. Check owner of the Database.

3. If owner of database is eoffice then, execute below command to set the role to eoffice - Set role eoffice ;

4. Paste scripts in sequence as provided in the file name to query panel and press run.

Step 10.1: If Logical Replication server is running, then only execute Downloaded 2databasefunctions.sql in LR server otherwise you can skip this **Step 10.1**

1. Login to the LR sever and connect with Database with user eoffice su – postgres .

    /10/bin/psql (10 is for PostgeSQL version.

2. Provide PostgeSQL version to connect database

    \c "Database Name"

3. If owner of database is eoffice then execute the command - set role eoffice;

    \i /var/lib/pgsql/2databasefunctions.sql

Step 11: Start the MIS Tomcat.

>   **#   /eOffice/JApps/Tomcat/MIS/bin/startup.sh**

Step 12: To check logs (If Tomcat restarted properly or not):

>   **#   tail -f /eOffice/JApps/Tomcat/MIS/logs/catalina.out** (For Logs)

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