

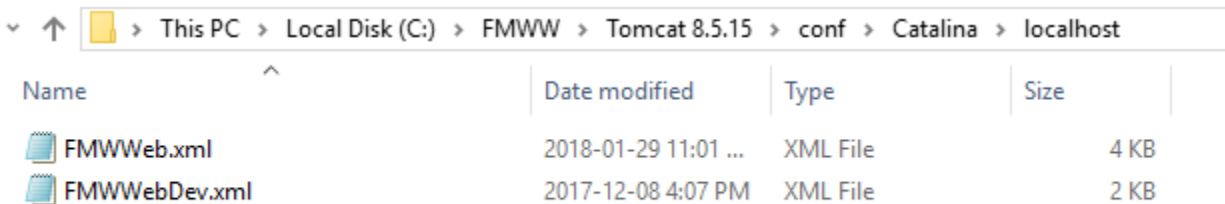
SMTP/Email Configuration in FMW

Convention:

- In this example, the folder `C:\FMWW\Tomcat 8.5.15` will be called as **<tomcat root>**. Location or name of the folder may be different in different environments i.e. `D:\FMW Web\Tomcat 8.0`
- If you have just one **FMWWeb** folder at **<tomcat root>\webapps**, it means your environment has just one **<FMW Context>**. In certain environments, there could be more than one contexts i.e. **FMWWebProd, FMWWebTest**
- Each **<FMW Context>** has one or more **params*.xml** file/s at **<tomcat root>\webapps\<FMW Context>** e.g. **params-sql.xml**

1. SMTP Setup

At **<tomcat root>\conf\Catalina\localhost**, there could be one or more **FMWWeb*.xml** files. Each of those files will have the SMTP section to be configured.



Name	Date modified	Type	Size
FMWWeb.xml	2018-01-29 11:01 ...	XML File	4 KB
FMWWebDev.xml	2017-12-08 4:07 PM	XML File	2 KB

FMW provides two options to configure SMTP i.e. i). Unauthenticated (default port 25) or ii). Authenticated as shown below:

```

<!--Simple Mail SMTP connection - change host - unauthenticated, port 25-->
<Resource
  name="mail/session"
  type="javax.mail.Session"
  mail.smtp.host="smtp.pathcom.com"
  mail.smtp.timeout="30000"
  mail.smtp.connectiontimeout="30000"/>

<!--Authenticated Mail SMTP connection, using TLS - -->
<Resource
  name="mailx/session"
  type="javax.mail.Session"
  auth="Container"
  mail.smtp.debug="true"
  mail.transport.protocol="smtp"
  mail.smtp.host="smtp.pathcom.com"
  mail.smtp.port = "587"
  mail.smtp.timeout="30000"
  mail.smtp.auth="true"
  mail.smtp.starttls.enable="true"
  mail.smtp.user="fmw_mailagent"
  mail.smtp.password="xxx"
  username="fmw_mailagent"
  password="xxx"
  mail.smtp.connectiontimeout="30000"/>

</Context>

```

- i. Unauthenticated SMTP configuration could be done simply by providing the **mail.smtp.host** i.e. replace 'smtp.pathcom.com' with your SMTP host name or IP. Default port is 25.

```

<Resource
  name="mail/session"
  type="javax.mail.Session"
  mail.smtp.host="smtp.pathcom.com"
  mail.smtp.timeout="30000"
  mail.smtp.connectiontimeout="30000"/>

```

If you want to specify any other port e.g. 23, it could be provided as shown below:

```

<!--Simple Mail SMTP connection - change host - unauthenticated, port 25-->
<Resource
  name="mail/session"
  type="javax.mail.Session"
  mail.smtp.host="smtp.pathcom.com"
  mail.smtp.port="23"
  mail.smtp.timeout="30000"
  mail.smtp.connectiontimeout="30000"/>

```

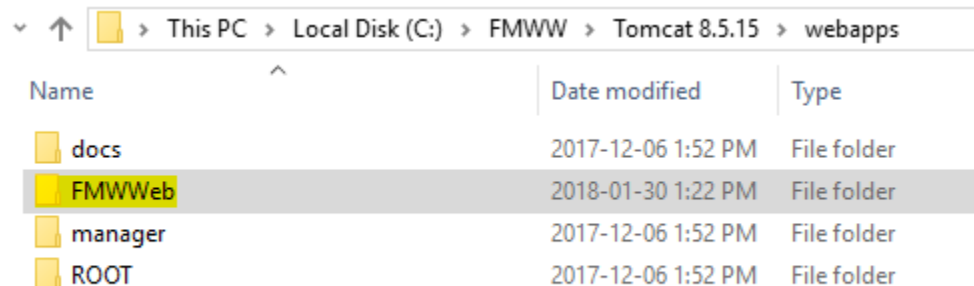
ii). In case of Authenticated SMTP connection, we need to provide host, port, user and password:

```

<!--Authenticated Mail SMTP connection, using TLS - -->
<Resource
  name="mailx/session"
  type="javax.mail.Session"
  auth="Container"
  mail.smtp.debug="true"
  mail.transport.protocol="smtp"
  mail.smtp.host="smtp.pathcom.com"
  mail.smtp.port="587"
  mail.smtp.timeout="30000"
  mail.smtp.auth="true"
  mail.smtp.starttls.enable="true"
  mail.smtp.user="fmw_mailagent"
  mail.smtp.password="xxx"
  username="fmw_mailagent"
  password="xxx"
  mail.smtp.connectiontimeout="30000"/>

```

Final consideration is to take care of the **name** of the SMTP connection for each **params** file for each **<FMW Context>**.



Name	Date modified	Type
docs	2017-12-06 1:52 PM	File folder
FMWeb	2018-01-30 1:22 PM	File folder
manager	2017-12-06 1:52 PM	File folder
ROOT	2017-12-06 1:52 PM	File folder

Each **<FMW Context>** will have one or more params file/s as shown below:

Name	Date modified	Type	Size
client	2018-01-30 1:22 PM	File folder	
doc	2018-01-30 1:22 PM	File folder	
files	2017-12-06 1:53 PM	File folder	
images	2018-01-30 1:22 PM	File folder	
WEB-INF	2018-01-30 1:22 PM	File folder	
FMWWWeb.html	2017-03-13 12:26 ...	Chrome HTML Do...	3 KB
FMWWWebRV.html	2017-03-13 12:27 ...	Chrome HTML Do...	3 KB
index.htm	2015-03-26 6:28 PM	Chrome HTML Do...	1 KB
jaas-login.conf	2011-08-25 6:21 PM	CONF File	5 KB
krb5-login.conf	2017-01-09 9:58 AM	CONF File	1 KB
params-orcl.xml	2017-11-01 1:14 PM	XML File	3 KB
params-sql.xml	2018-02-02 11:39 ...	XML File	3 KB

Each one of the params files has **<Mail>** tag/section. Make sure that name of the SMTP connection matches the name in the **params** file.

In case of **Unauthenticated** connection, name is **mail/session** as show below:

```

<!--Simple Mail SMTP connection - change host - unauthenticated, port 25-->
<Resource
  name="mail/session"
  type="javax.mail.Session"
  mail.smtp.host="smtp.pathcom.com"
  mail.smtp.port="23"
  mail.smtp.timeout="30000"
  mail.smtp.connectiontimeout="30000"/>

```

Make sure all the params files has the same name i.e.

```

<Mail>
  <FromAddress>fmwsupport@publicsectordigest.com</FromAddress>
  <ForceFromAddress>no</ForceFromAddress>
  <MailSession>java:comp/env/mail/session</MailSession>
</Mail>
<Locale language="en" country="US"/>
</FMW>

```

Note, in case of Authenticated SMTP connection, name is **mailx/session**:

```

<!--Authenticated Mail SMTP connection, using TLS - -->
<Resource
  name="mailx/session"
  type="javax.mail.Session"
  auth="Container"
  mail.smtp.debug="true"
  mail.transport.protocol="smtp"
  mail.smtp.host="smtp.pathcom.com"
  mail.smtp.port ="587"
  mail.smtp.timeout="30000"
  mail.smtp.auth="true"
  mail.smtp.starttls.enable="true"
  mail.smtp.user="fmw_mailagent"
  mail.smtp.password="xxx"
  username="fmw_mailagent"
  password="xxx"
  mail.smtp.connectiontimeout="30000"/>

```

```
</Context>
```

Make sure all the params files have the same name if you are opting for the Authenticated SMTP connection:

```

<Mail>
  <FromAddress>fmwsupport@publicsectordigest.com</FromAddress>
  <ForceFromAddress>no</ForceFromAddress>
  <MailSession>java:comp/env/mailx/session</MailSession>
</Mail>
<Locale language="en" country="US"/>
</FMW>

```

2. Email Configuration

Each of the **params** files in every **<FMW Context>** has **<Mail>** tag/section, **<FromAddress>** needs to be updated with the email address, you want FMW notifications/emails coming from.

```

<Mail>
  <FromAddress>fmwsupport@publicsectordigest.com</FromAddress>
  <ForceFromAddress>no</ForceFromAddress>
  <MailSession>java:comp/env/mailx/session</MailSession>
</Mail>
<Locale language="en" country="US"/>
</FMW>

```

Note, this email address will be used if the user has no email specified in **Security Administration** module. If we want all the emails/notifications coming from this email address, then change the value of attribute **<ForceFromAddress>** from "no" to "yes":

```
<Mail>
  <FromAddress>fmwsupport@publicsectordigest.com</FromAddress>
  <ForceFromAddress>yes</ForceFromAddress>
  <MailSession>java:comp/env/mailx/session</MailSession>
</Mail>
<Locale language="en" country="US"/>
</FMW>
```

Restart Apache Tomcat to make these changes effective

If you are working with Office 365 SMPT, please follow the below example:

Add the TLS1.2 entry below to the resource and restart tomcat.

```
mail.smtp.ssl.protocols="TLSv1.2"
```

The config should have the line above added, **example below:**

The example uses office 365

```
<!--Authenticated Mail SMTP connection, using TLS - -->
<Resource
  name="mailx/session"
  type="javax.mail.Session"
  auth="Container"
  mail.smtp.debug="true"
  mail.transport.protocol="smtp"
  mail.smtp.host="smtp.office365.com"
  mail.smtp.port = "587"
  mail.smtp.timeout="30000"
  mail.smtp.auth="true"
  mail.smtp.starttls.enable="true"
  mail.smtp.ssl.protocols="TLSv1.2" ***EXAMPLE**** CLIENT NEEDS TO ADD THIS
LINE
  mail.smtp.user="sendmail@test.com"
  mail.smtp.password="xxxx"
  username="sendmail@test.com"
  password="xxxx"
  mail.smtp.connectiontimeout="30000"/>
```