

Publish Manual iDEAL

XBRL Reporting

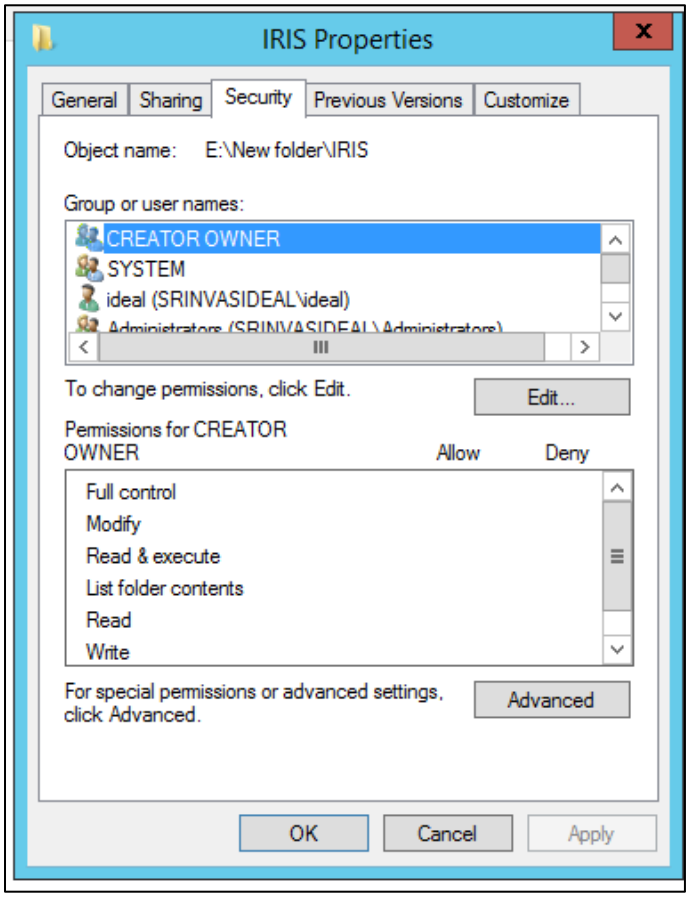
Publish Manual – IRIS iDEAL Application

Steps to Install iDEAL on Web Server:

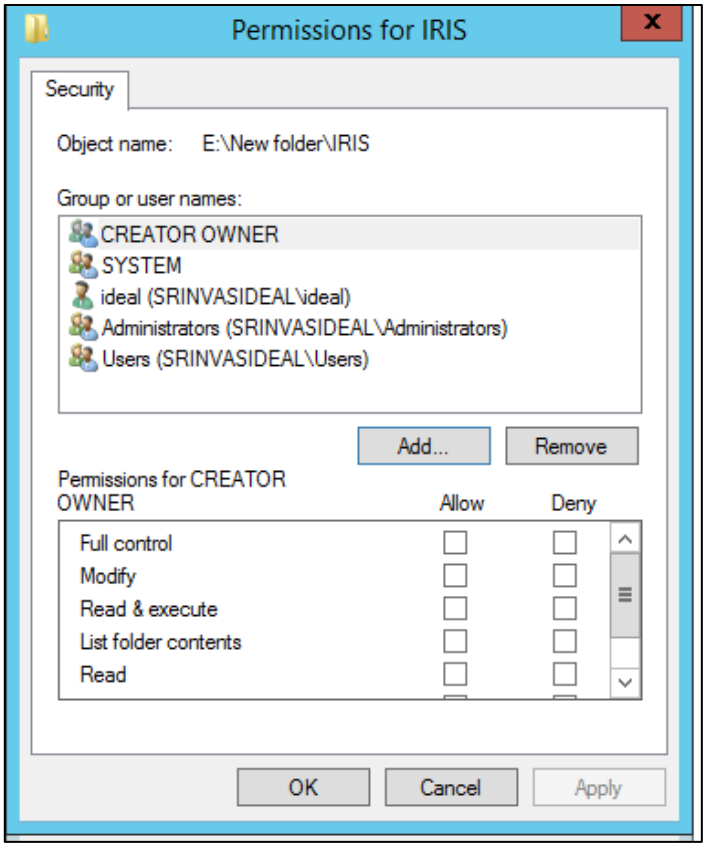
IRIS has provided one **IRIS** folder that needs to be placed in desired drive or path in the server. Below are its main contents in **IRIS** folder.

a. **iDEALPublish4.5.3**
b. **Repo**

1. Right click on IRIS folder> Properties>“Security” tab and then click on “Edit” button.

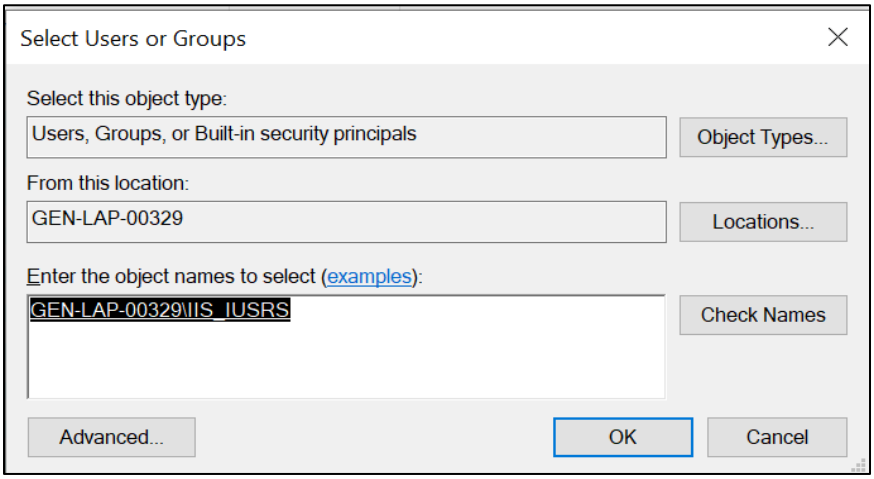


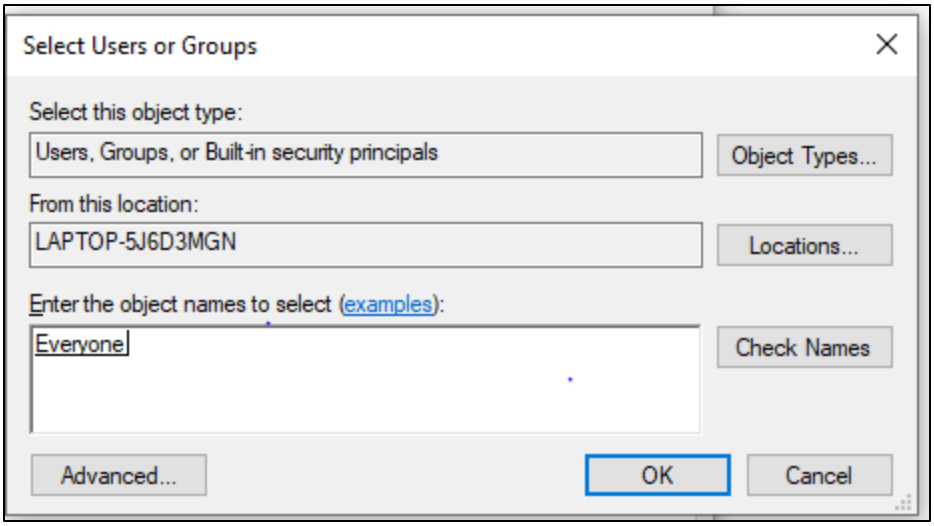
2. Click on “Add” button.



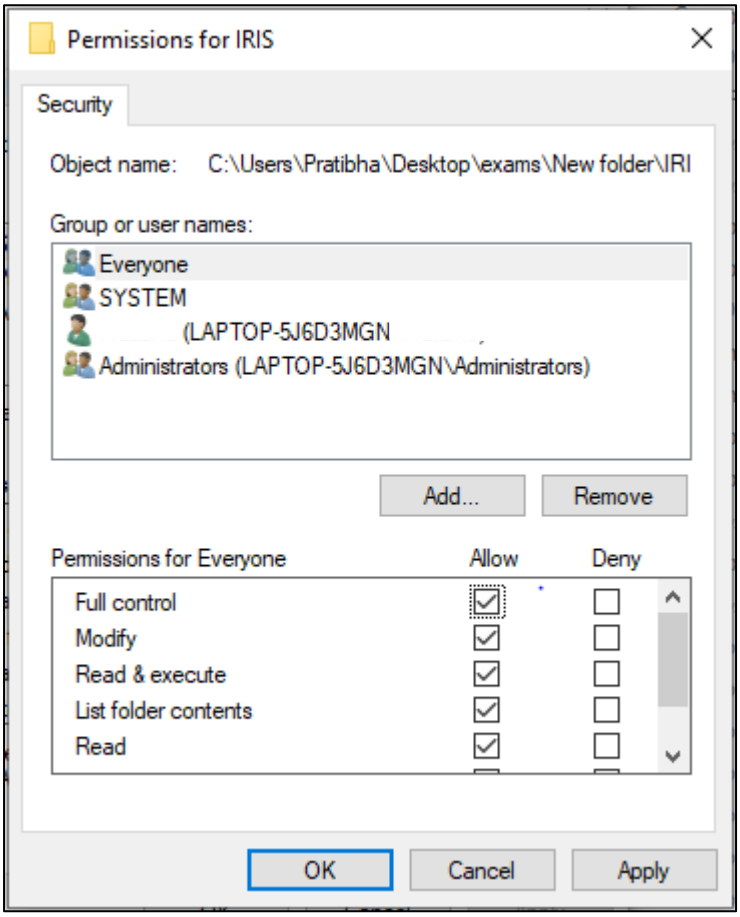
3. Write **'IIS_IUSRS'** or 'everyone' and click on 'Check Names'. Then click on 'OK'

NOTE: 'IIS_IUSRS' is recommended if not possible then give 'Everyone'





4. Check on ‘Full control’ and then ‘Apply’ and ‘OK’



5. Press (Windows+r) keys, this will open “Windows Run” window. Type “inetmgr” in the window and Press “OK” button.

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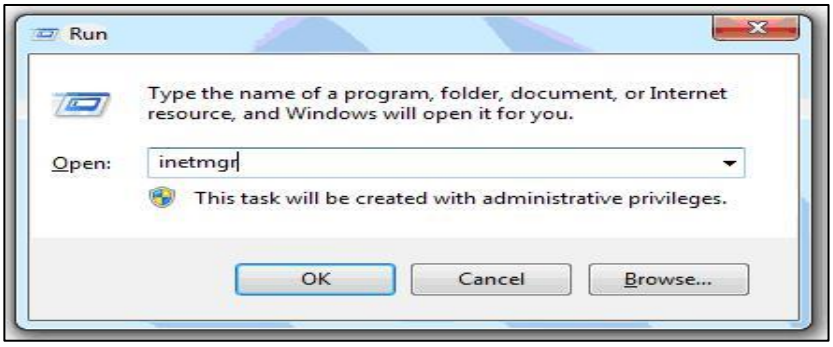
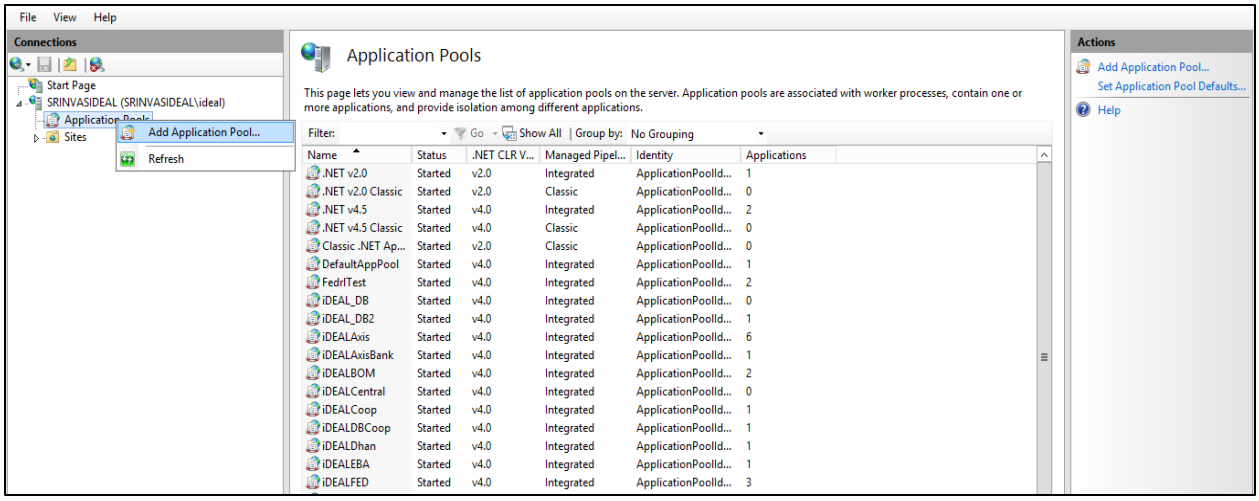
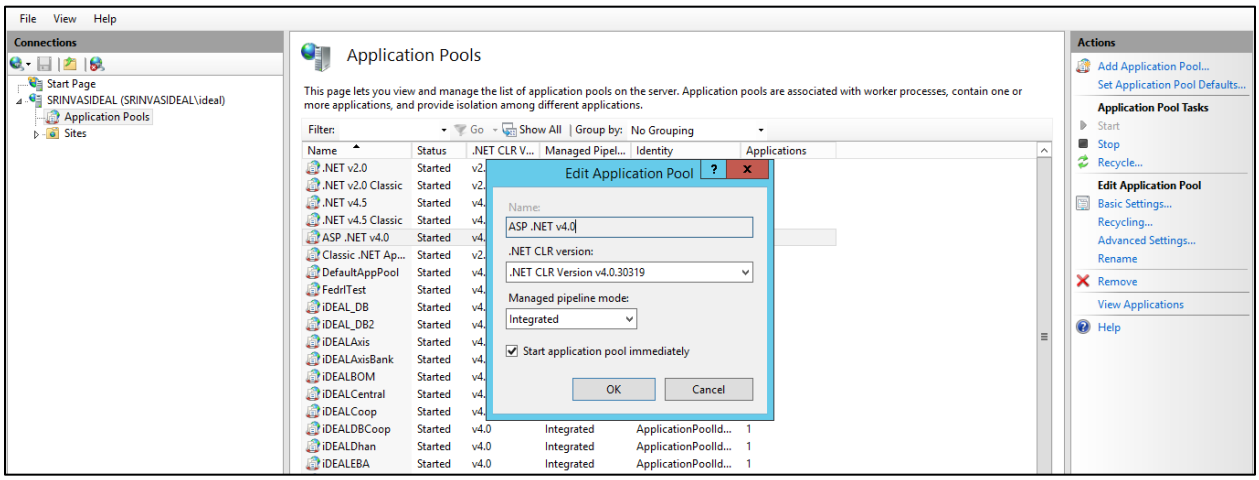


6. This will open IIS Window.
7. Right click on Application Pool and Click “Add Application Pool”



8. Give the pool name. User can give any name. Click on OK.



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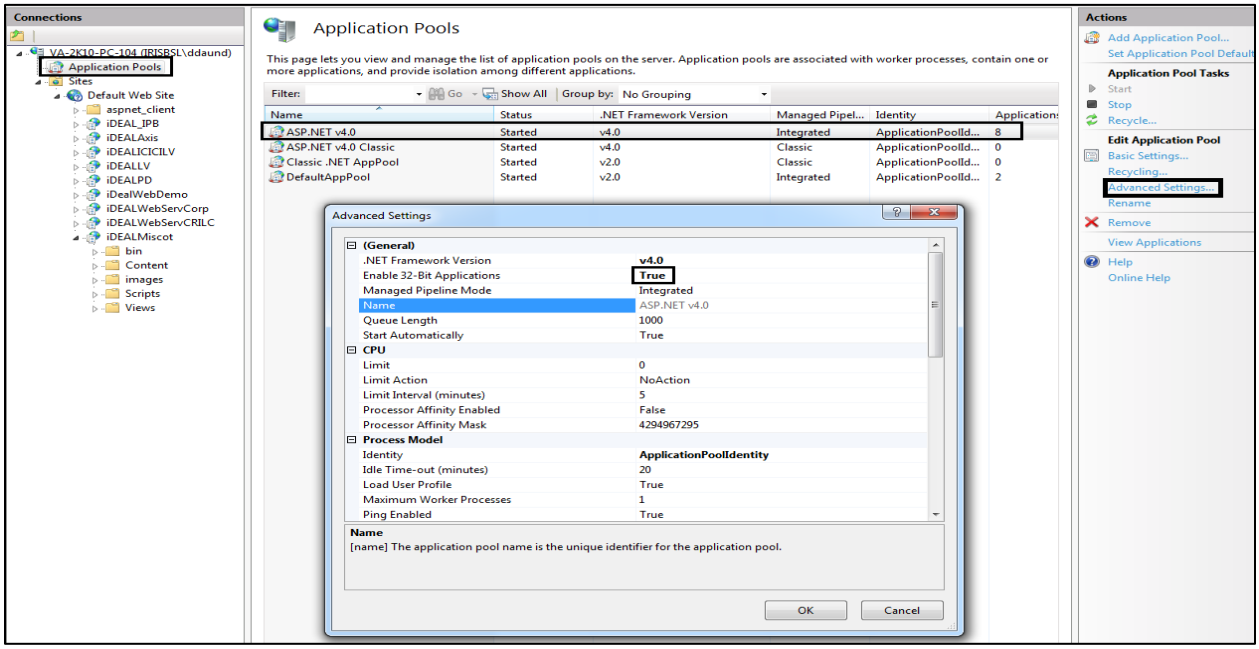
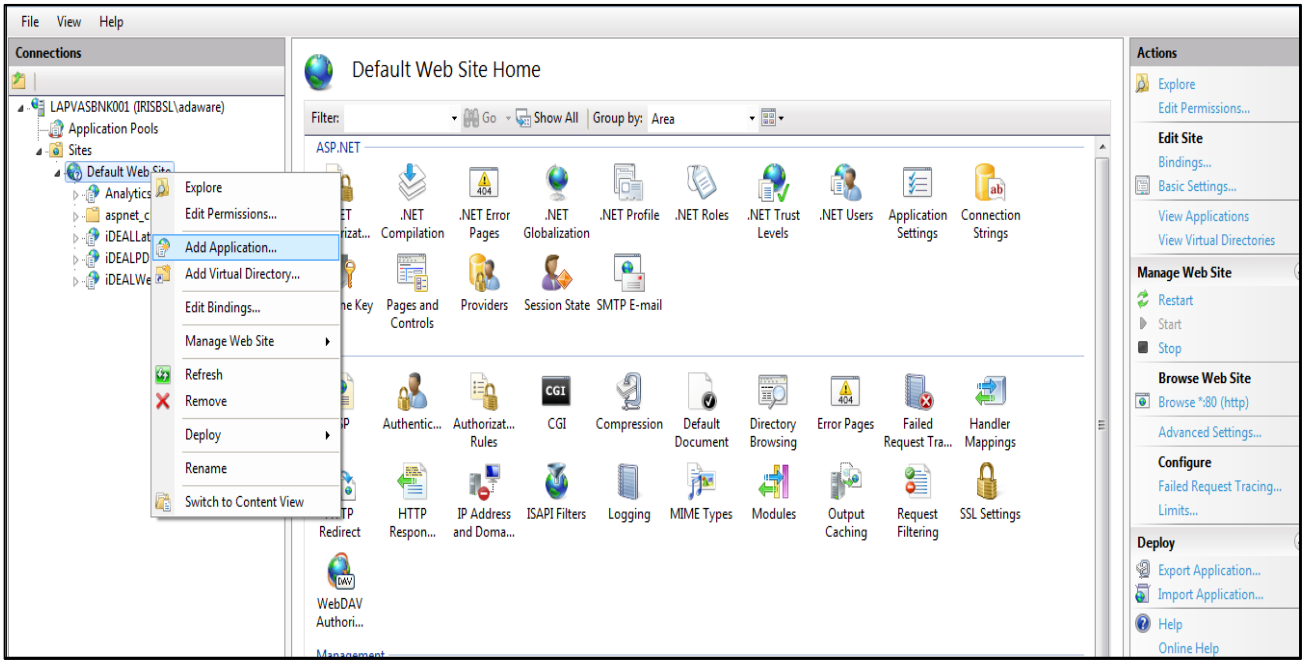
9. Right click on newly added pool. Click on “Advanced Settings” and set ‘Enable 32-bit applications’ as true. Click on OK.

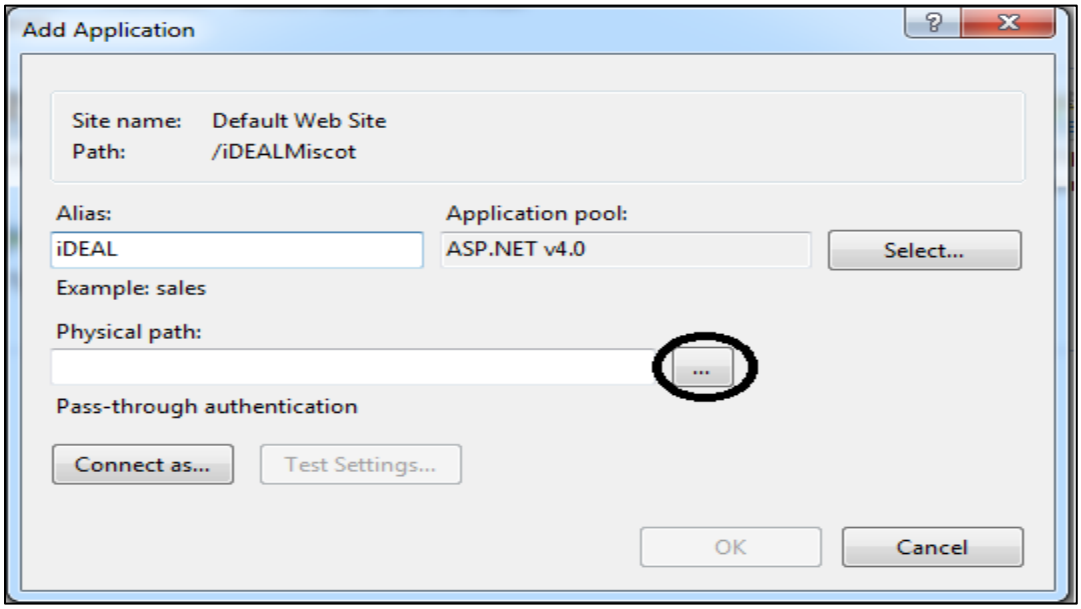


10. Drill down till “Default Web Site” from “Sites” root.

11. Right click on “Default Web Site” and select “Add Application”.



12. Give Alias name as “iDEAL” (User can give any name of their choice)



13. Select the Application pool that you have added newly.

14. Assign Physical Path as “iDEALPublish4.5.1” folder and Click “OK”

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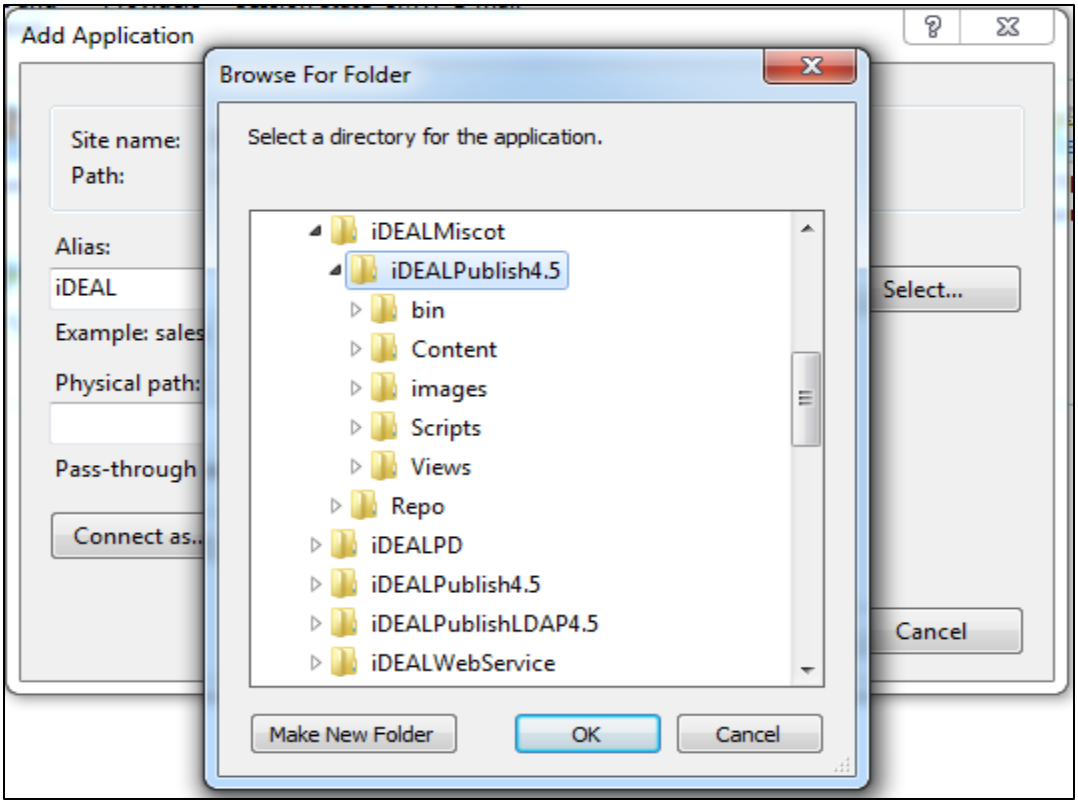
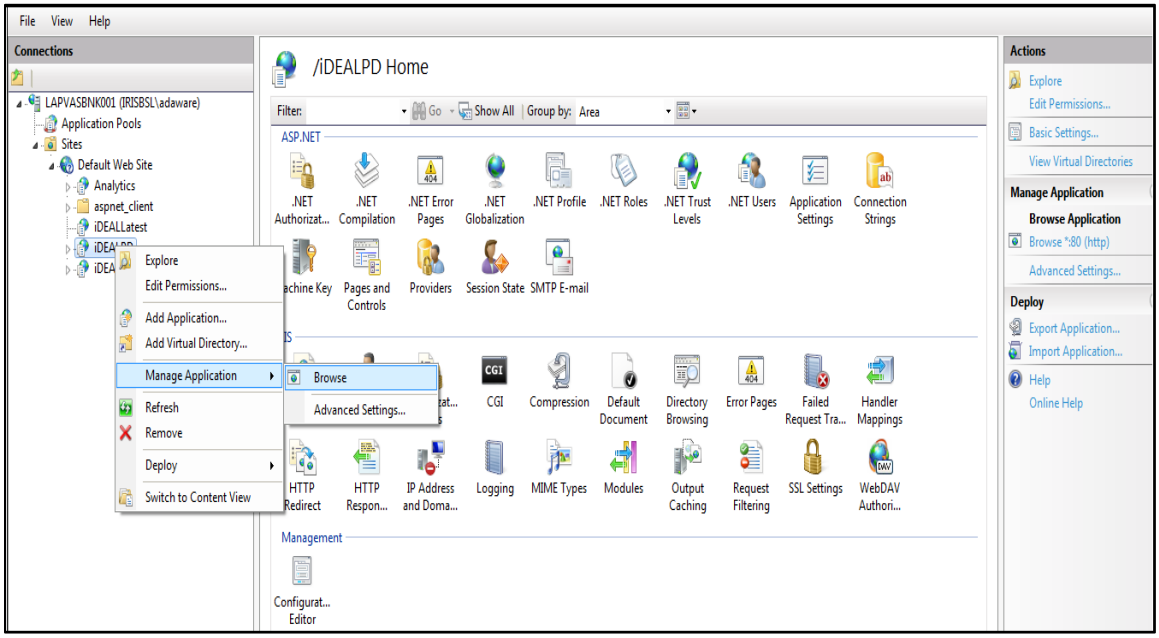
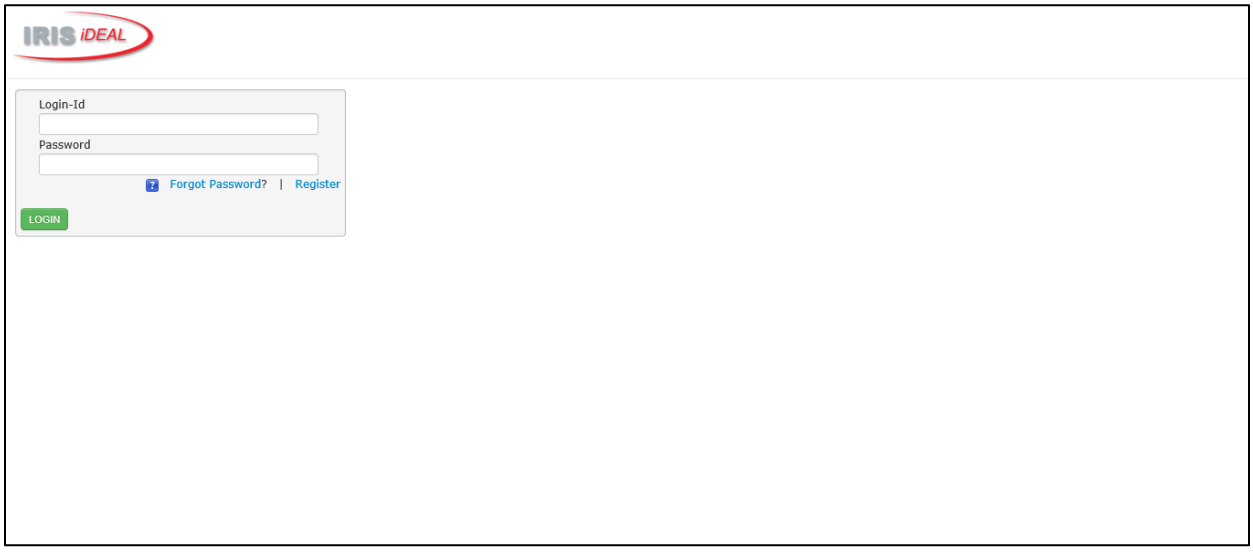


15. Once Application is added, Right click on the application, then click on ‘Manage Application’ and then ‘Browse’. This will open Application Login Page in internet explorer



16. This will open the login page of the application on “Internet Browser”.



Repository related changes:

1. Web.config file changes
   - <add key="RepositoryPath" value="E:\iDEAL\iDEAL_LV\RepoCIMS\" />
   - For below key Value should be Excel in case input source for CRILC report is Excel & DB in case input source is database.
     <add key="DataSource" value="Excel" />
   - This is applicable for the CRILC, RLC, RDB & RFA report where PAN Name , Group Name is auto populated so add return code of these reports.
     <add key="AutoPopulate"
     value="1009|1053|1034|1039|2009|2053|2034|2039|2066|2067|2068" />
   - This key applicable for the returns for which we have Custome validation such reports are CRILC,RDB &RFA,BEF so please mention return code of these reports.
     <add key="CustomValidation"
     value="1009|1039|1021|1034|1053|2034|2053|2009|2066|2039" />
   - In case of Masters Source the value can be DB,Excel,Both as per the source
     <add key="IsEnableMastersSource" value="Excel" />
   - Please add all 2000 series reports which are deployed on client side. This key is for the old reports for which we are generating Table linkbase rendering.
     <add key="ReturnForTblRendering" value="2029|2018|2025" />
   - Check Bushchat path as per version you share with client
     <add key="XbrlValidatorExePathCSV"
     value="bushchat_certified_win64_v2.0.2\bin\bushchat-64.exe" />

<add key="XbrlValidatorExePathHTML" value="bushchat_certified_win64_v2.0.2\bin\bushchat-trans-64.exe" />

- <add key="ValidatorBinPath" value="bushchat_certified_win64_v2.0.2\bin\" />
- For Enabling & Disabling LDAP. IsLDAPAuthentication value must be true if LDAP is enabled & if true last two keys values to be required from client

<add key="IsDeptAuthentication" value="false" />
<add key="IsLDAPAuthentication" value="false" />
<add key="DirectoryPath" value="OU=Domain Users,DC=IRISBSL,DC=COM" />
<add key="DirectoryDomain" value="172.18.2.164" />

- Below keys are for enabling SFMS transfer

<add key="SFMSLocationIndex" value="2" /> <!--0-SFTP,1-FTP,2-shared/local folder-->
<add key="DomainName" value="IRISBSL" /><!--If the systems are in diff domain add domain name and use uername and password keys given above for SFTP/FTP-->
<!--SFTP/FTP Server Details-->
<add key="Hostname" value="172.18.2.105" />
<add key="Username" value="nkamble" />
<add key="Password" value="1r1s@iris2021" />
<add key="Server_Destination" value="/TestFTP/" />
<add key="Port" value="21" />
<!--22-SFTP,21-FTP-->
<!--Local/shared Folder Path-->
<add key="MoveCimsFilesTo" value="\\172.18.77.189\backup\iDEAL-DATA\CIMS" />
<add key="DomainName" value="IRISBSL" />

2. Bushchat validator file changes

Change bushchat path in log4j file. You can find this file in Bushchat/conf folder

<param name="File" value="E:\\iDEAL\\iDEAL_LV\\RepoCIMS\\bushchat_certified_win64_v2.0.2\\log\\woods.log"/>

3. Create folders with return code in Repo/Instances for those reports which are having custom validations & for other reports the folders will be created automatically
Following are the reports with Custom validations:
RLC, CRILC, NRDCSR, BEF, RDB & RFA

4. Clear all log files from the repo database folder : (Activities mentioned in Point 4 to 9 should be done before sharing kit with client)

- XML_InstanceLog
- XML_ErrorLog
- XML_UserHistory
- XML_ResetPassReq

5. Change Bank details in XML_BankDetail file
6. There should be only one user entry i.e. IRIS810 in XML_User file & Create new Admin User for BANK. Do not share IRIS810 credentials with Bank
7. There should be only one role present in XML_Role file i.e. Admin (Role ID 101)
8. Only following entries should be present in XML_RoleAccess file

```
<Row OptionId="Template" RoleId="101" HasNew="false" HasEdit="false" HasView="false" HasApprove="false" />
<Row OptionId="BankDetail" RoleId="101" HasNew="false" HasEdit="false" HasView="false" HasApprove="false" />
<Row OptionId="Form" RoleId="101" HasNew="false" HasEdit="false" HasView="false" HasApprove="false" />
<Row OptionId="Mapping" RoleId="101" HasNew="false" HasEdit="false" HasView="false" HasApprove="false" />
<Row OptionId="Provider" RoleId="101" HasNew="false" HasEdit="false" HasView="false" HasApprove="false" />
<Row OptionId="Extract" RoleId="101" HasNew="false" HasEdit="false" HasView="false" HasApprove="false" />
<Row OptionId="SecurityMap" RoleId="101" HasNew="false" HasEdit="false" HasView="false" HasApprove="false" />
<Row OptionId="User" RoleId="101" HasNew="false" HasEdit="false" HasView="false" HasApprove="false" />
<Row OptionId="WebRender" RoleId="101" HasNew="false" HasEdit="false" HasView="false" HasApprove="false" />
<Row OptionId="CreateInstance" RoleId="101" HasNew="false" HasEdit="false" HasView="false" HasApprove="false" />
<Row OptionId="Audit" RoleId="101" HasNew="false" HasEdit="false" HasView="false" HasApprove="false" />
<Row OptionId="Approval" RoleId="101" HasNew="false" HasEdit="false" HasView="false" HasApprove="false" />
```

9. Disable the modules which are not applicable to the Bank from XML_Option file
10. In case of input source as excel please change repo path for all the reports in List of Providers module
11. In case of input source as DataBase please set DB credentials in List of Providers module

12. After all changes please do Positive & Negative testing at least for 3-4 reports. (Form A, ALE, DBS02, RDB,RLC,MPD02)

LDAP Integration (User Directory Configuration): -- Applicable only on Banks request

For Enabling & Disabling LDAP - IsLDAPAuthentication value must be true if LDAP is enabled & if true last two keys values to be required from client

```
<add key="IsDeptAuthentication" value="false" /> (always false)
<add key="IsLDAPAuthentication" value="true" />
<add key="DirectoryPath" value="OU=Domain Users,DC=IRISBSL,DC=COM" />
<add key="DirectoryDomain" value="172.18.2.164" />
```

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NonXBRL Deployment Requirement

- **Application Modules**

1.NonXBRL Returns
2.NonXBRL Query Builder
3.NonXBRL Instance Generation
4.NonXBRL Audit Log
5.java jre install (http://idealftp.iservices.in/download/ideal/Prerequisites/jre-8u271-windows-x64.zip) Share this link with client at the time of other prerequisites sharing.

- **Kit Requirements**

1.Database Folders—same as xbrl
2.NonXBRLReturns.xml & XML_NonXBRLInstanceLog,xml entries→ same as Return.xml entries and XML_InstanceLog.xml
3.XML_Provider→same as xbrl
4.Templates for excel returns(can be used from DB export)
5.NonXBRLExe Folder
6.NonXBRLModifiedJson folder
7.Java must be installed to run the validator
8.Web.Config changes

Web.Config Keys for NonXBRL

```
<add key="NonXBRLValidator" value="NonXBRLExe\NonXBRLValidator.exe" />
 <add key="NXInstancePath" value="NonXBRLOutPut\" />
 <add key="NXRenderPath" value="RenderNonXBRL\" />
<add key="NonXBRLValidatorTimeout" value="5" />
<add key="BSRReturnsCode" value="R002|R014|R146|R251|R088"/>
```

Please note that these returnCodes are unique returnCodes assigned for each NonXBRL return and not the FormId by which the folders are present in our Repo-Database

NonXBRLExe

1.Put this folder inside Repo folder.
2.This folder should include following files.
3.Also have to change Repo Path in base path and output folder path

base.path=D:\\Project\\DB2_Publish_IBM\\Repo\\NonXBRLExe\\business_validation\\
output.folder.path=D:\\Project\\DB2_Publish_IBM\\Repo\\NonXBRLExe\\outputResult\\
entity.code=440

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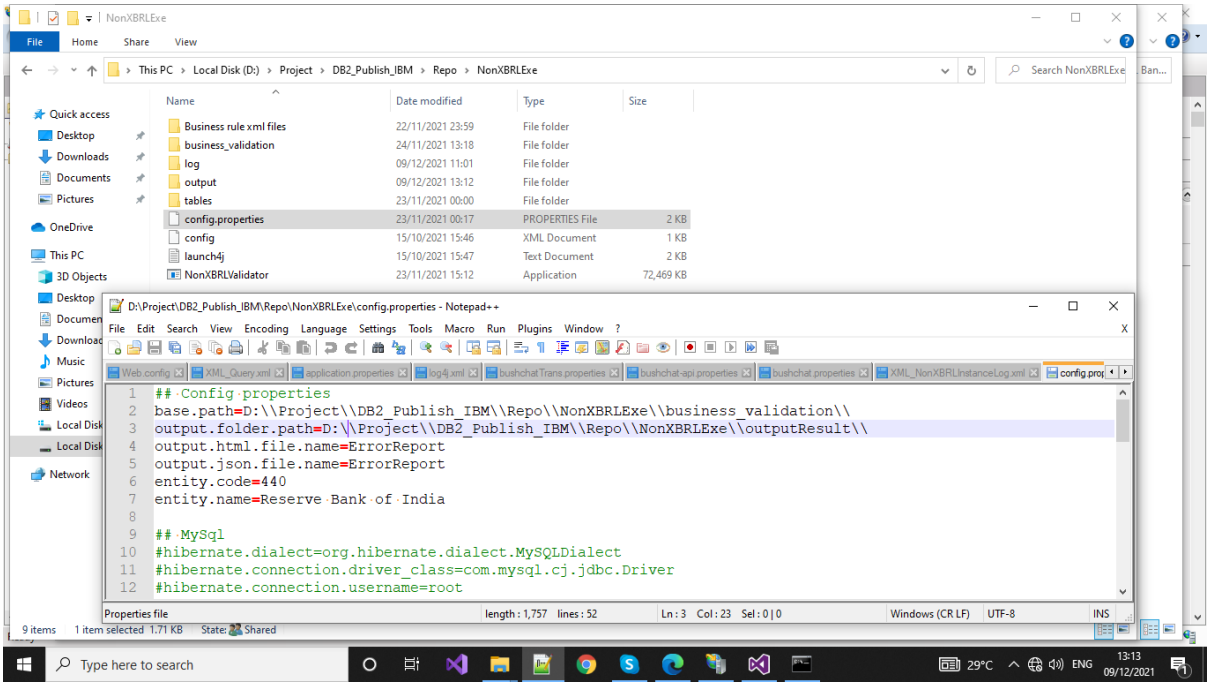

Fig.1.

Note: Please note that business_validation ,NonXBRLValidator.exe and NonXBRLModifiedJson and java these are must have files. Without these the validator won't work.

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- To check if the validator is installed and running properly you can follow the steps given below.

  1.Open return specific json file from NonXBRLModifiedJson folder and add instanceFilePath in returnFilePath attribute.Make sure to add "\\" instead of "\".

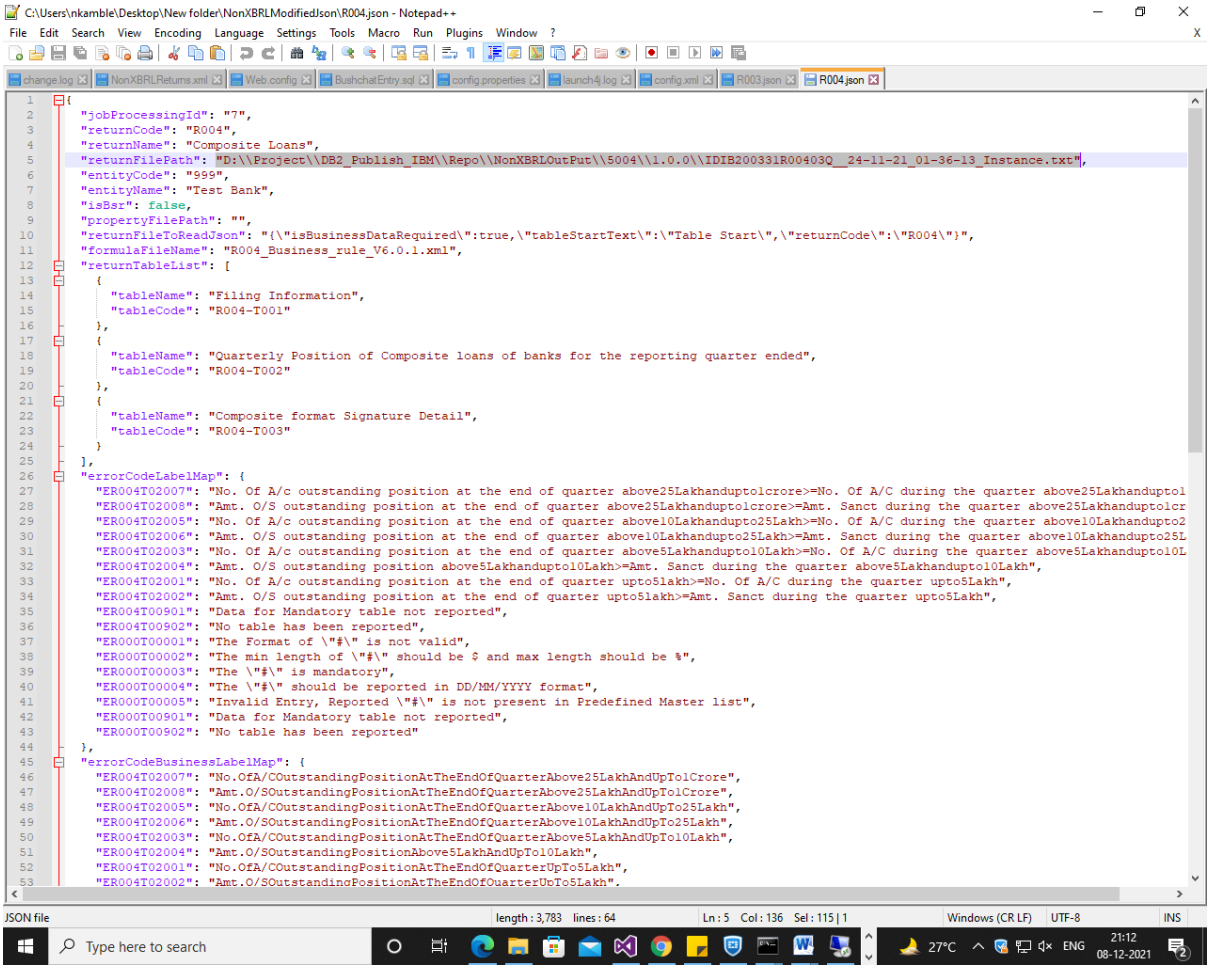

Fig.2.

2.Open cmd and navigate to NonXBRLExe folder where the NonXBRLValidator.exe is present. And then run below command which includes ---

> NonXBRLValidator.exe "json Path of particular return from NonXBRLModifiedjson folder"



Fig.3.

3.Check if the folder with JobProcessingId value is created on the same location of instance file.
4.If not then check the log inside log folder from fig.1.

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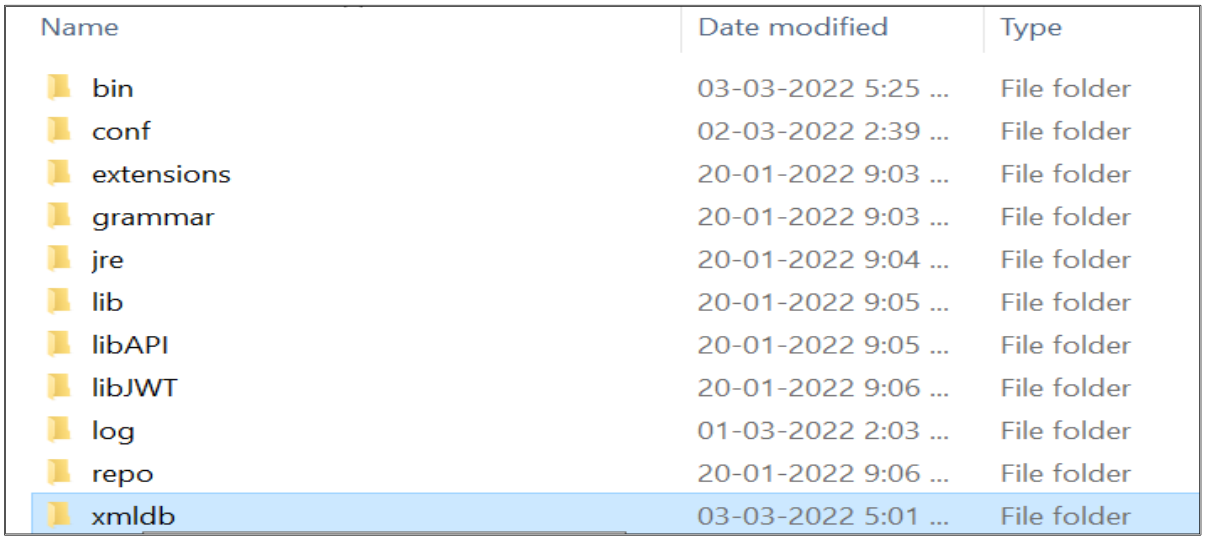
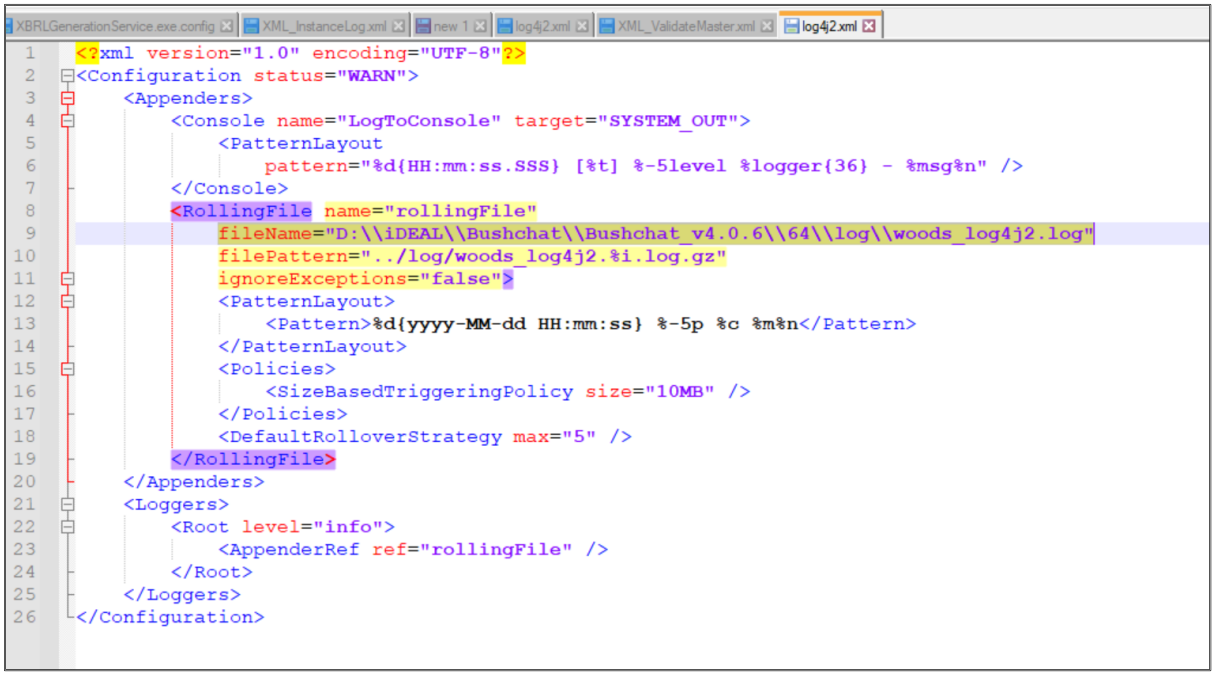
Bushchat API as Windows Service Installation, Service Start, Stop Guide

1. Got to Bushchat 4.0.6 folder & delete **xmldb** folder



Name	Date modified	Type
bin	03-03-2022 5:25 ...	File folder
conf	02-03-2022 2:39 ...	File folder
extensions	20-01-2022 9:03 ...	File folder
grammar	20-01-2022 9:03 ...	File folder
jre	20-01-2022 9:04 ...	File folder
lib	20-01-2022 9:05 ...	File folder
libAPI	20-01-2022 9:05 ...	File folder
libJWT	20-01-2022 9:06 ...	File folder
log	01-03-2022 2:03 ...	File folder
repo	20-01-2022 9:06 ...	File folder
xmldb	03-03-2022 5:01 ...	File folder

2. Go to path Bushchat_v4.0.6\64\conf\log4j2 & open log4j2 file in notepad & change path. Woods.log will be inside log folder in bushchat_v4.0.6



```
<?xml version="1.0" encoding="UTF-8"?>
<Configuration status="WARN">
    <Appenders>
        <Console name="LogToConsole" target="SYSTEM_OUT">
            <PatternLayout
                pattern="%d{HH:mm:ss.SSS} [%t] %-5level %logger{36} - %msg%n" />
        </Console>
        <RollingFile name="rollingFile"
            fileName="D:\\iDEAL\\Bushchat\\Bushchat_v4.0.6\\64\\log\\woods_log4j2.log"
            filePattern="../log/woods_log4j2.%i.log.gz"
            ignoreExceptions="false">
            <PatternLayout>
                <Pattern>%d{yyyy-MM-dd HH:mm:ss} %-5p %c %m%n</Pattern>
            </PatternLayout>
            <Policies>
                <SizeBasedTriggeringPolicy size="10MB" />
            </Policies>
            <DefaultRolloverStrategy max="5" />
        </RollingFile>
    </Appenders>
    <Loggers>
        <Root level="info">
            <AppenderRef ref="rollingFile" />
        </Root>
    </Loggers>
</Configuration>
```

3. Create temp and output folder and give its path inside “bushchat_API-ver -4.0.3\conf\bushchat-api.properties”

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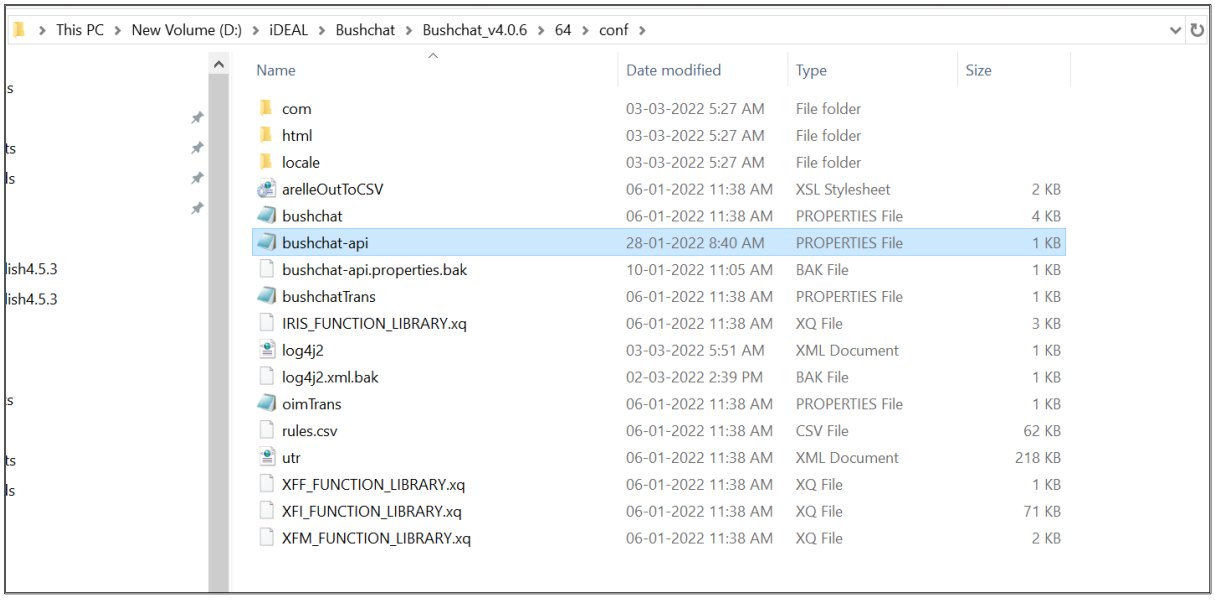

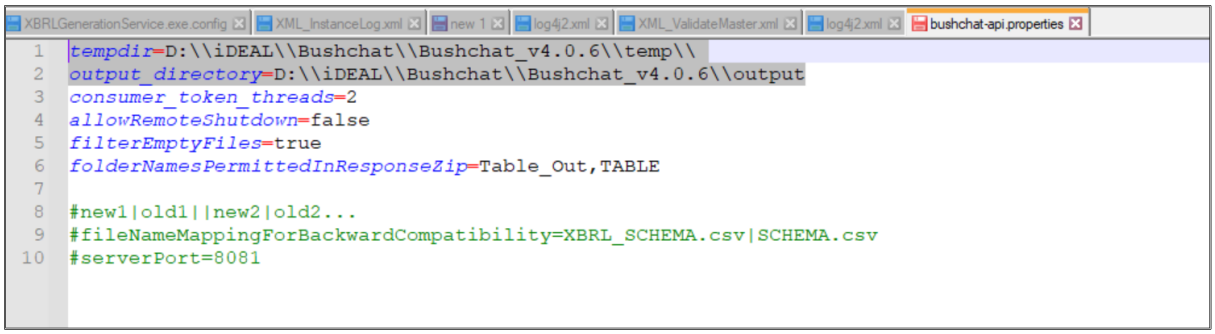

4. Type CMD in search option and right click on it and Run it as admin.



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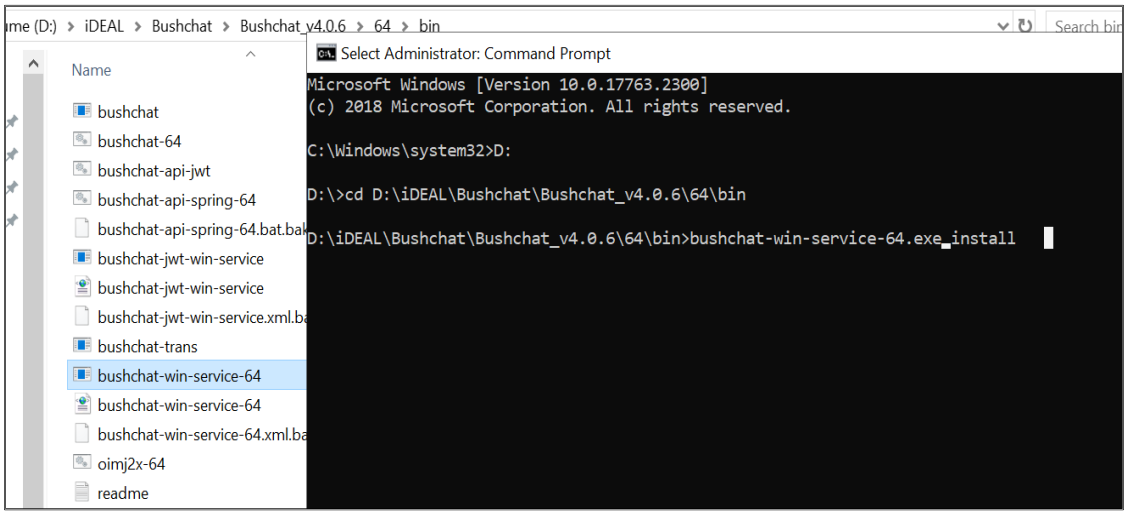
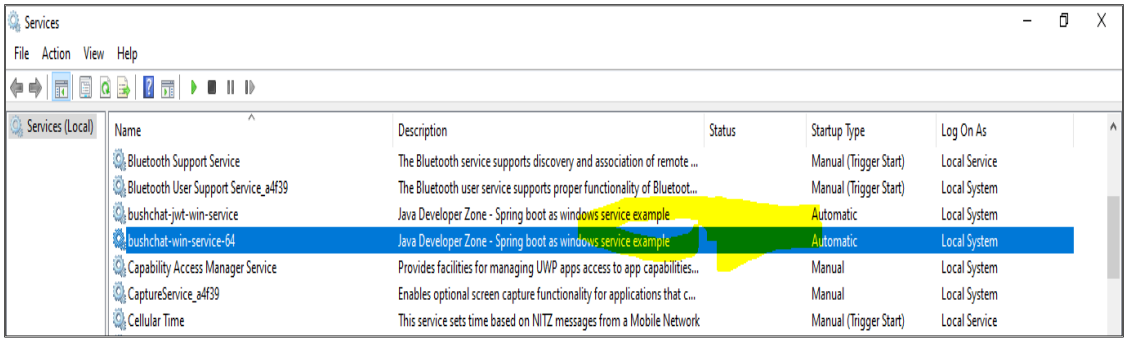
5. After pressing enter key new CMD window will open as per below screenshot. Then go to the drive where Bushchat is placed for example if it is in D drive refers below screenshot for installation of service. Once you reach to the bin folder path on CMD then copy highlighted bushchat-win-service-64.exe and paste it in CMD & give one space and type install then click enter. On enter the service will get installed automatically.



6. After this go to the search window in start menu & type local services and click on it, below window will get open. There you will be able to see the highlighted service right click on it and start the service. Once clicked on start Start-up type will for bushchat-win-service-64.exe will change to Running.



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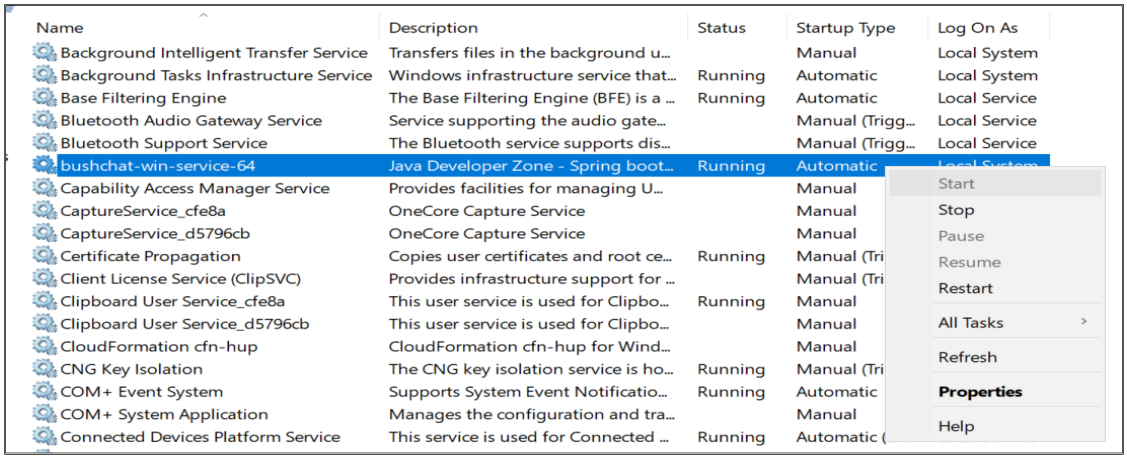

Points to be noted when updating application from 4.5.1 to 4.5.3

1. ODP is required for 4.5.3 app although it is excel based client
2. You need to provide rights to the Windows/temp folder. It is require for generating rendered output via bushchat4.0.6.
3. In **Core** (Phase II & Phase III) folder in file **in-rbi-rep-types.xsd** you need to change pattern value for email ID as below (Open in-rbi-rep-types.xsd file in notepad & search for **EmailAddress & EmailAddress1**)

   Old format will be:

```
<xsd:complexType name="EmailAddress1">
  <xsd:simpleContent>
    <xsd:restriction base="xbrli:stringItemType">
      <xsd:pattern value="[^@]+@[^\.]+\..+" />
    </xsd:restriction>
  </xsd:simpleContent>
</xsd:complexType>
```

   Change it to new format as below:

```
<xsd:pattern value="^[a-zA-Z0-9+_.-]+@[a-zA-Z0-9.-]+$" />
```

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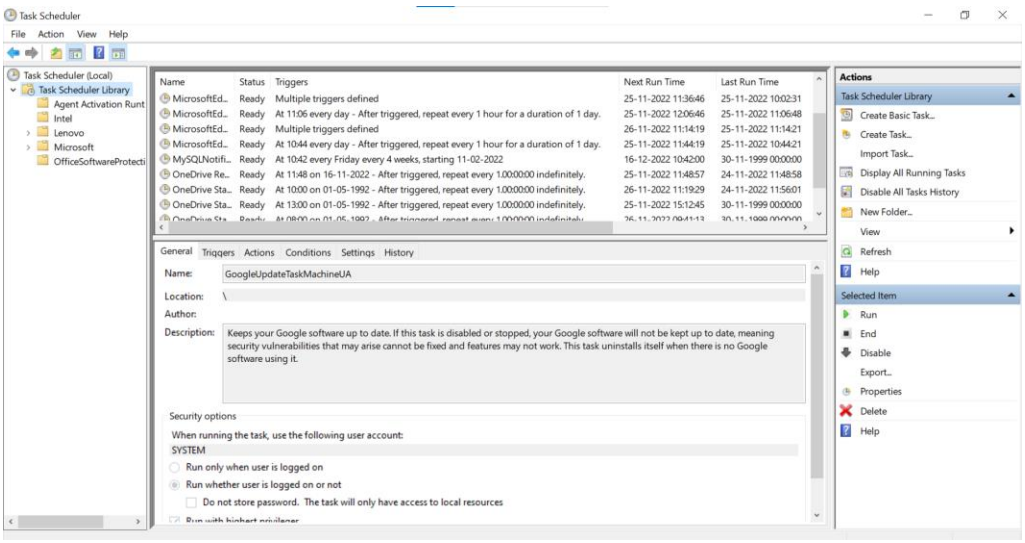
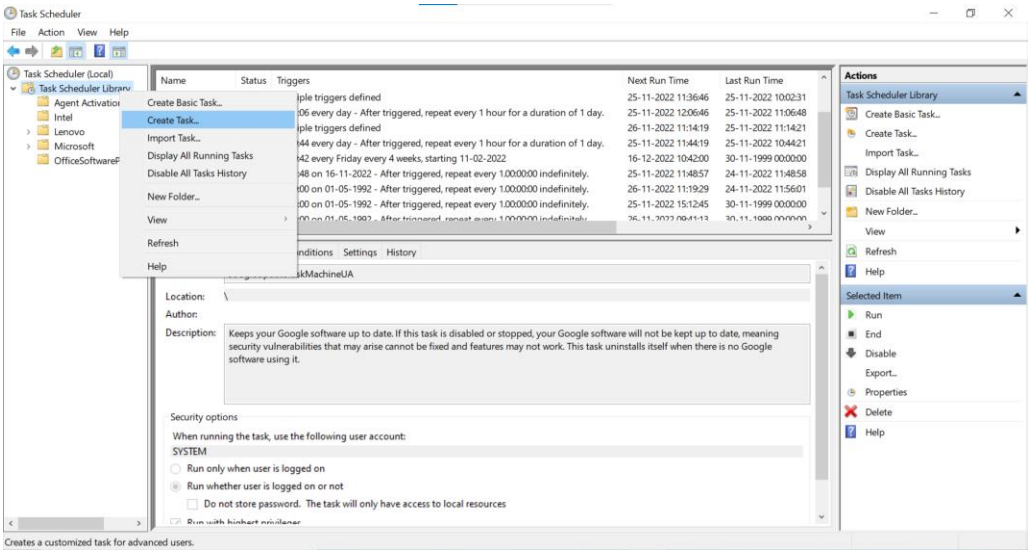
Bushchat Service Restart Scheduler steps

1. Type Task Scheduler in windows search option. Following window will get open



2. Right click on Task Scheduler & click on Create Task



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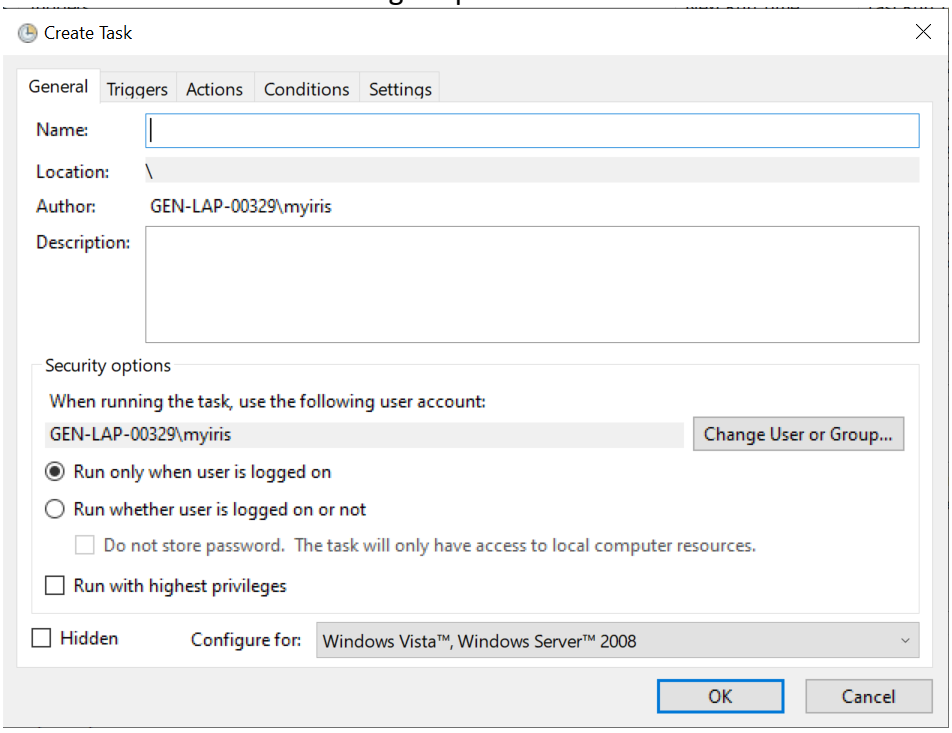
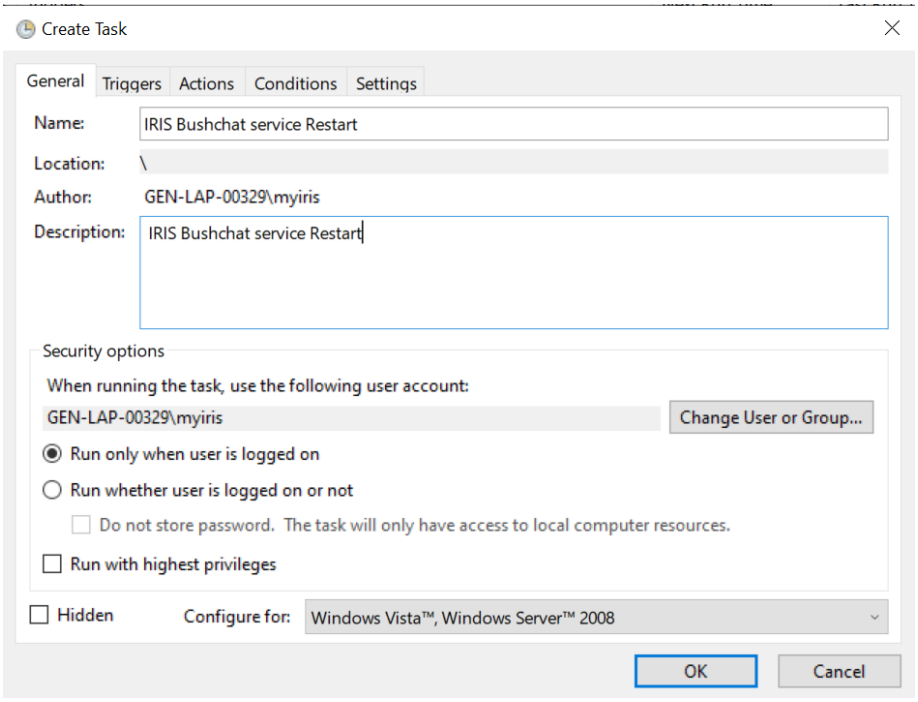
3. After click below window will get open



4. In General Tab give Name & Description as below



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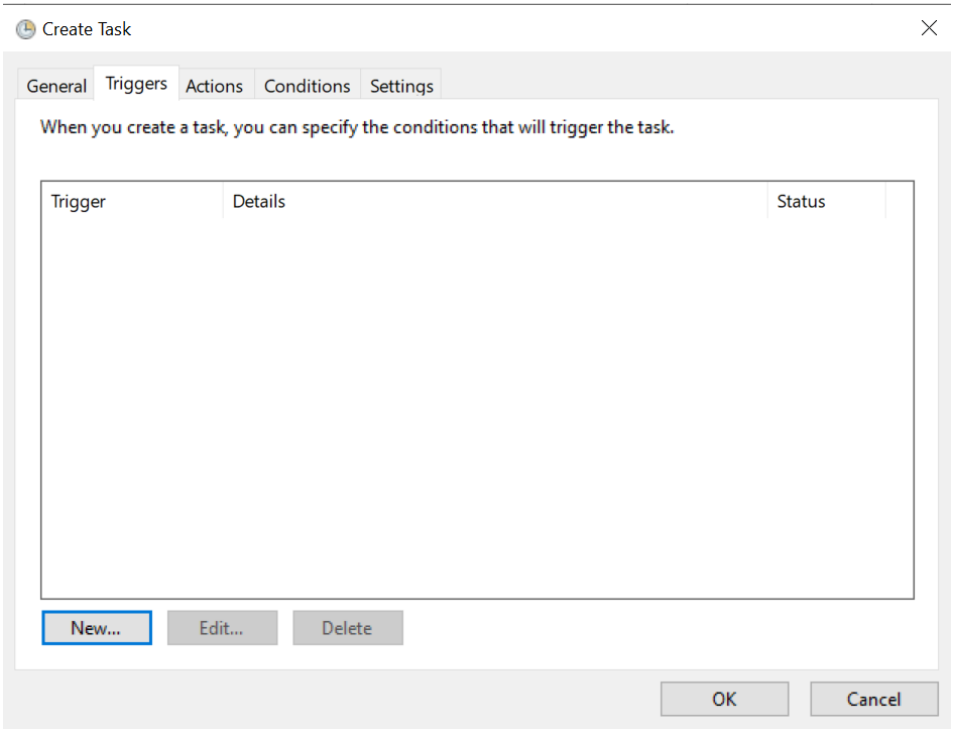
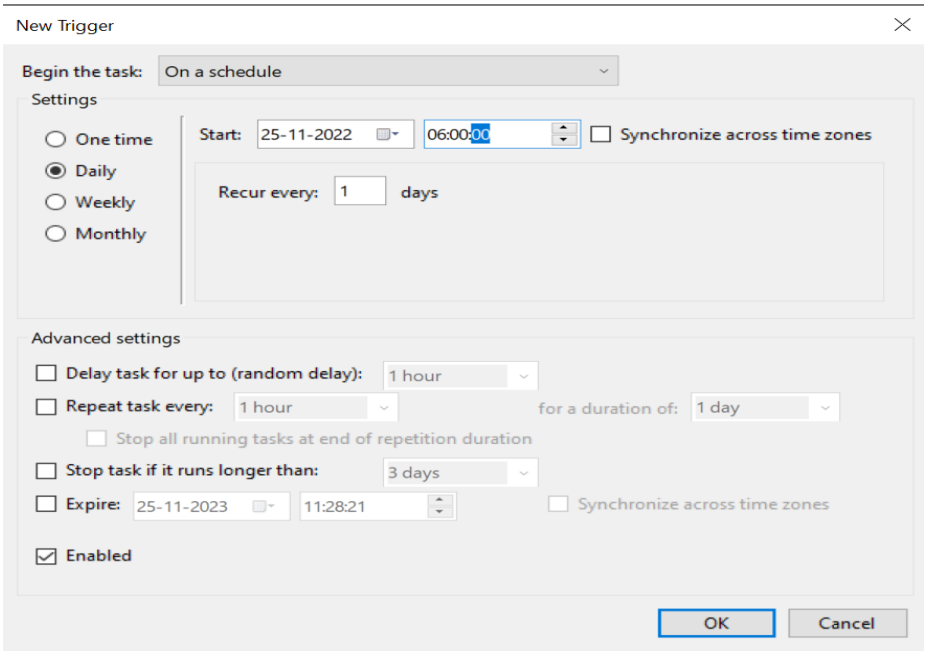
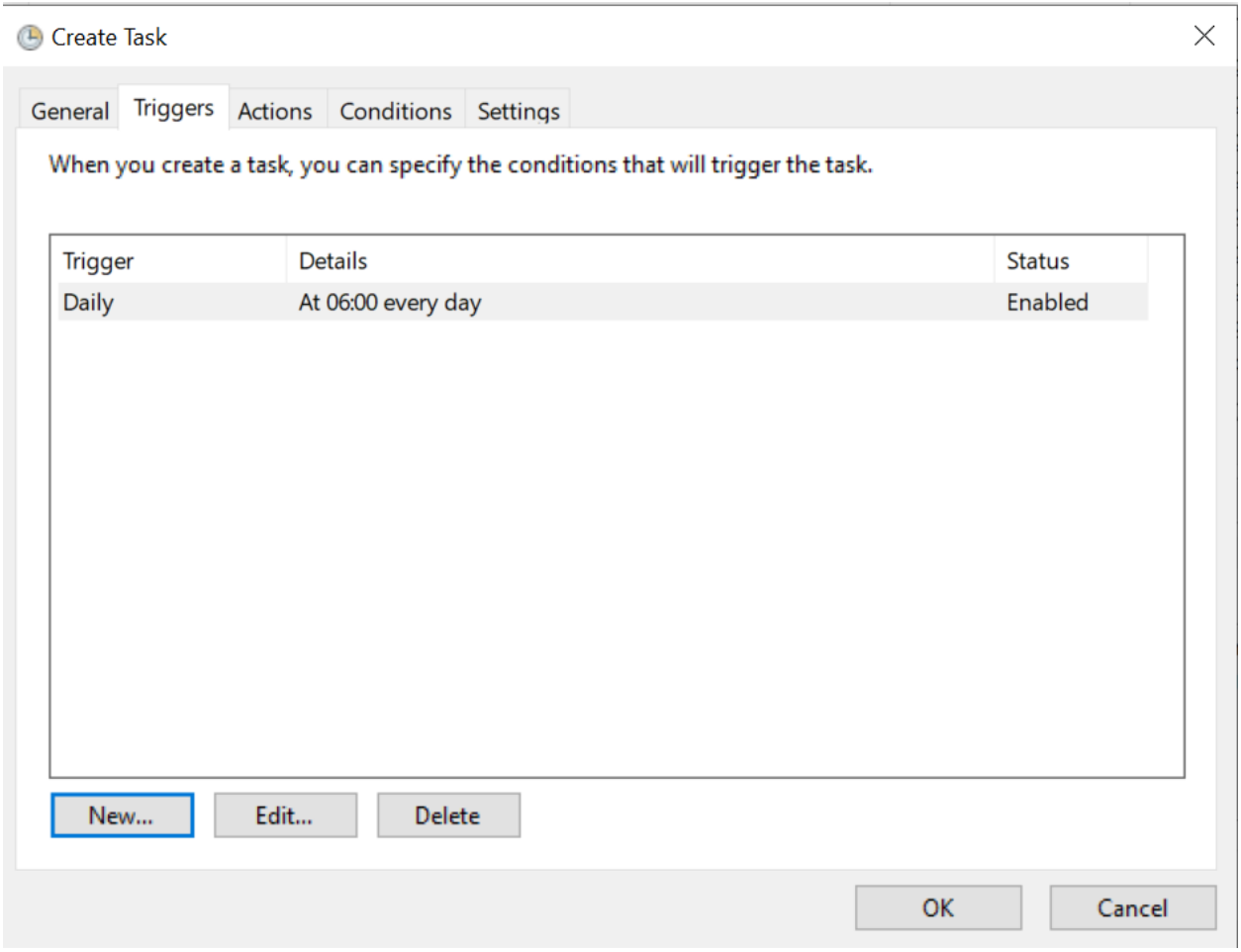
5. The go to the Trigger tab & click on New. On click 2nd image will get open, on 2nd image please check Daily & set Time preferably Morning 6 AM & Keep recur every 1 day click OK

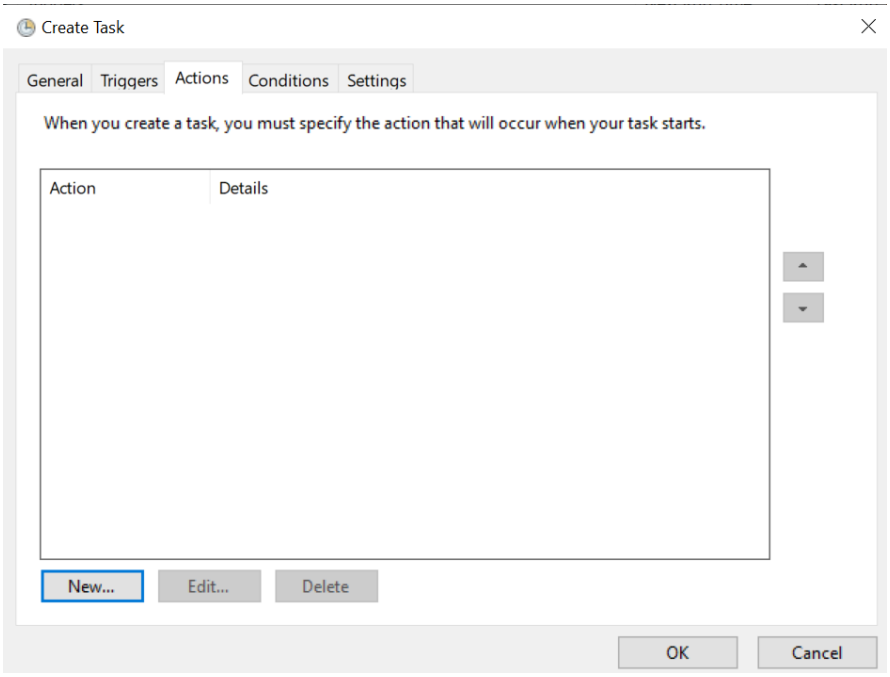




6. After click on Ok following window will appear where you can see the Task is enabled. After this go to the Action Tab.



7. In Action tab click on New then 2nd window will open their in Program/Script type **NET** & the type **STOP "bushchat-win-service-64"** in Add Argument field then click on OK after 3rd window will appear where you can see the Stop command the again click on New and add command to start service again, In Program/Script type **NET** & the type **START "bushchat-win-service-64"** in Add Argument field then click on OK. After Ok you will be able to see both STOP & START command.



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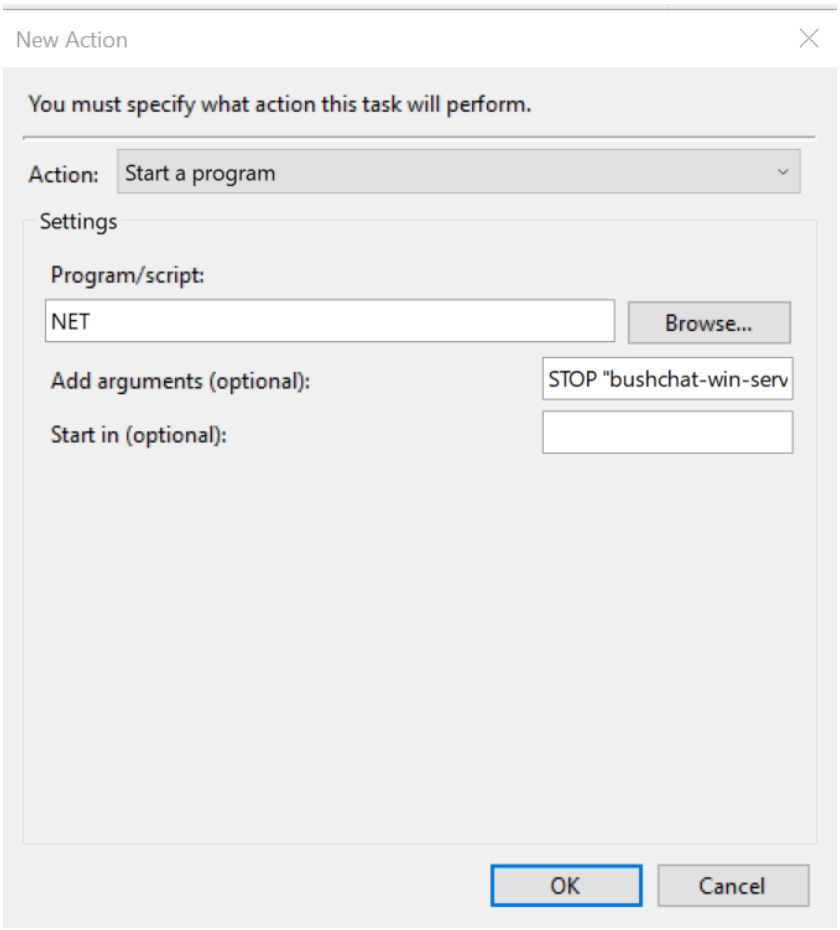

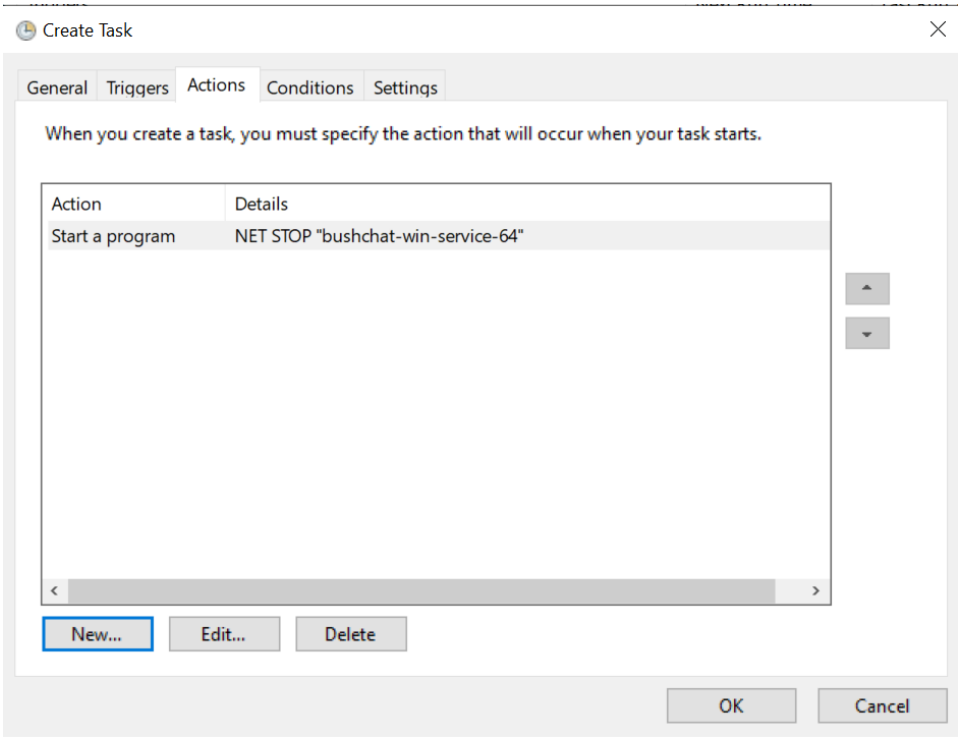

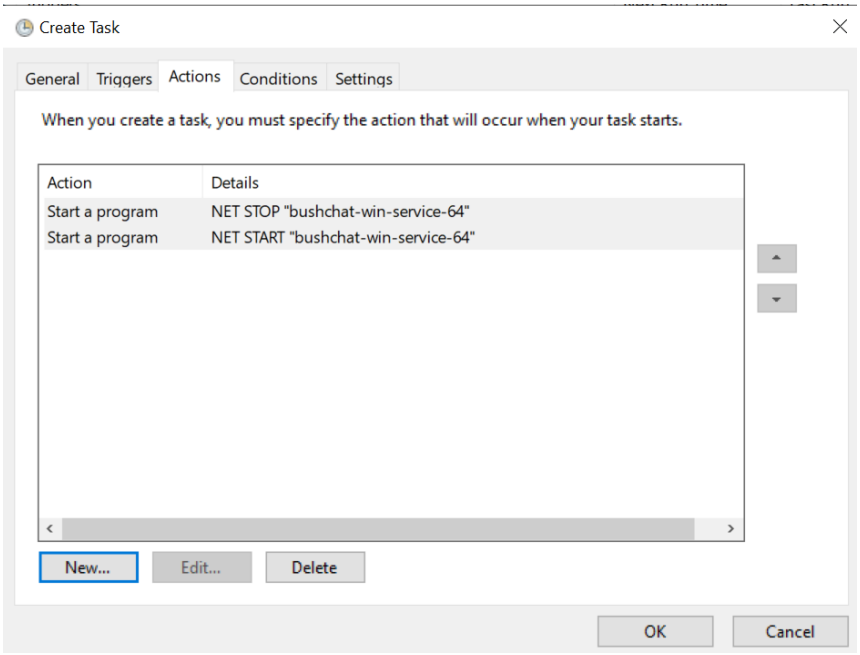

8. Now the Task is successfully created & you can see it in below image, now the Bushchat service will restart at 6 AM every day You can cross check this in Event viewer.

