

RAMCO AVIATION SOLUTION

Reliability Reports Tool

Installation Manual

Release 5.8

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Reliability Analysis – (BASRA)

1. Objective

Generation of Reliability Reports by Reliability Report generation tools

2. Pre-requisites

- **Schedule report path should be given write share in the report server.**
 - Open DwAppSettings.xml from the below path.
D:\Ramco Decision Works
\DW\DW_REFACTOR\com\ramco\dw\ApplicationXML\Property
 - In DwAppSettings.xml file find the following key
<add key="ScheduleReportPath" value="\\SERVERNAME OR SERVER IP\Scheduled Reports"
/>
Note: The report server's public IP to be mentioned.
 - In value path we have give the value as "\\172.26.7.214\Scheduled Reports"
Example:
<add key="ScheduleReportPath" value="\\bavnwasnmv03\ScheduledReports" />
This path should be as share path.
Note: The report server's public IP to be mentioned.
- **Document attach web service dll for file upload**

Below two dll's attached to ReliabilityFileUpload Tool. While installation it will automatically added to installed folder. We have to make sure the latest dll is attached to tool

 - AVN.DocAth.Helper.dll
 - AvnDocAttachServiceProxy.dll

3. Process Flow Overview

ReliabilityReportGen Tool:

Tool will Read data from view (“BASRA_REPORTNAME_VW1”) and build the formatted string with data and send the request to DW web service with formatted string for report generation. Web service will out the batch id for the request and back update the Batch id, status to “IP” (In-progress) from “UP” (Under Processing) in Table “BASRA_RRSD_Reliability_Reports_Dtl” for the requested reports.

ReliabilityFileUpload Tool:

This tool will read data from view (“BASRA_REPORTNAME_FTP_VW”) and build formatted string with data and send request to DW service with that string

Web service will out the status of report generation (success or failure) and generated file path of report for File upload to Document attached specified folder. it will back update the status as “G” generated in Table (“BASRA_RRSD_Reliability_Reports_Dtl”) and generated report file name. ”

Once all mapped reports generated for specified fleet, it will update status as “G” (Generated) in table “BASRA_RRSH_Reliability_Reports_Hdr”.

4. Steps to Install “ReliabilityReportGen” Tool

Please extract the folders “ReliabilityReportGen.zip” & “ReliabilityFileUpload.zip” file in local drive in the path (E.g.:- D:\)in the Report server or Web server.

```
“..\ReliabilityReportGen\setup.exe”  
“..\ReliabilityFileUpload\setup.exe”
```

Create two folder’s in local drive one for each tool

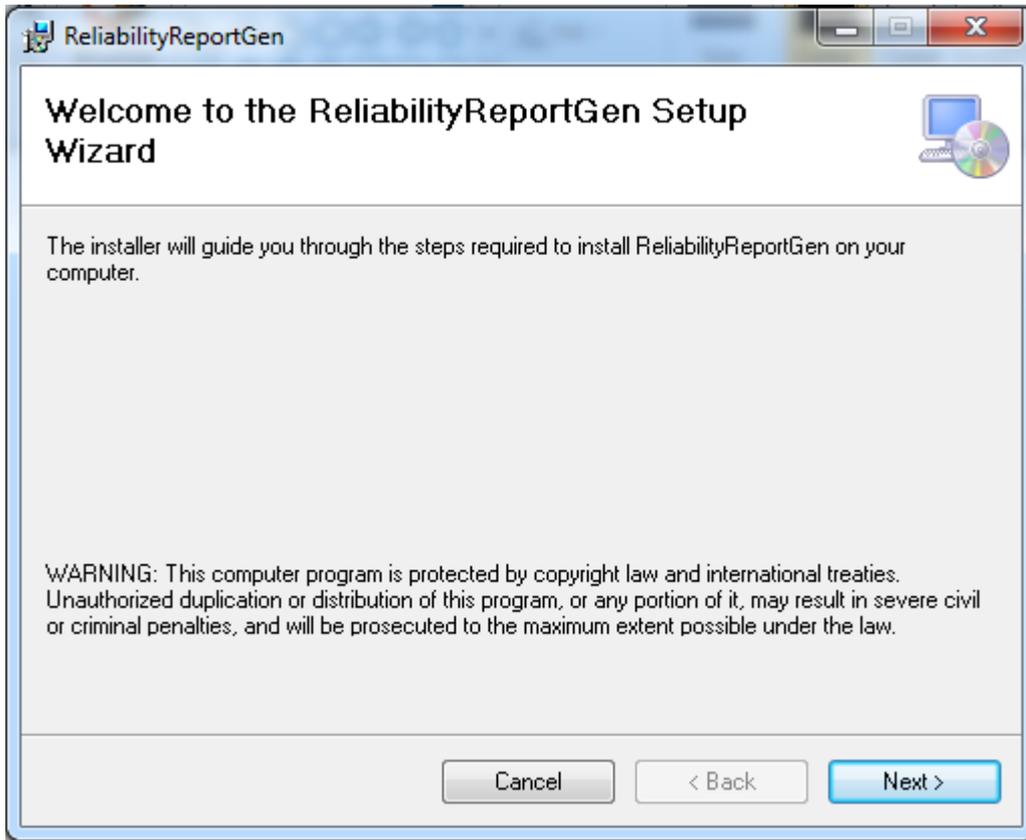
Example:

```
D:\ReliabilityReportGen\  
D: \ReliabilityFileUpload\
```

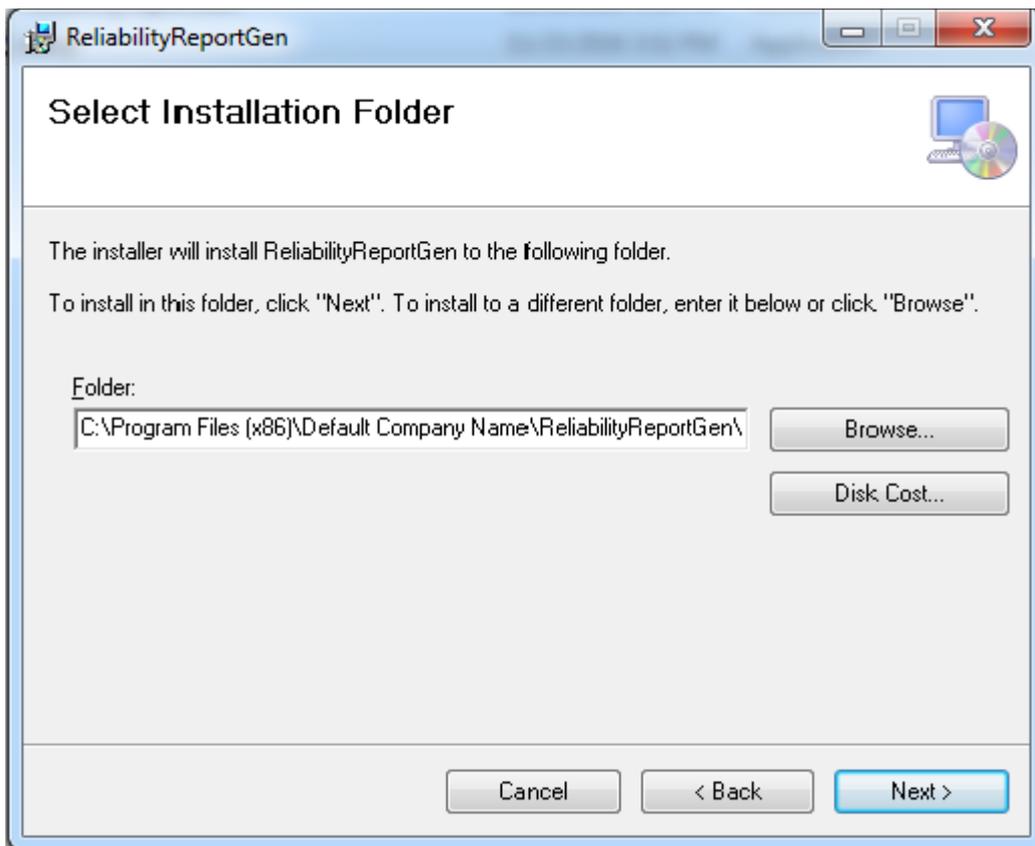
Installation steps for Reliability Report Generation Tool:

Steps:

Run the setup.exe file



Select "Next" to start the installation



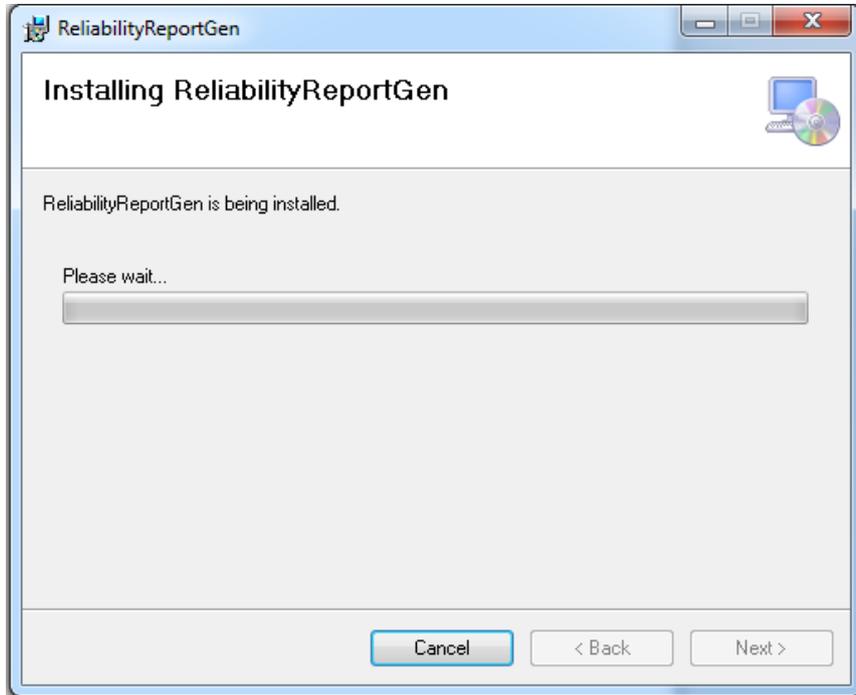
By Default installer will choose the above path (as shown in screen shot). If we want we can choose different path

Example:

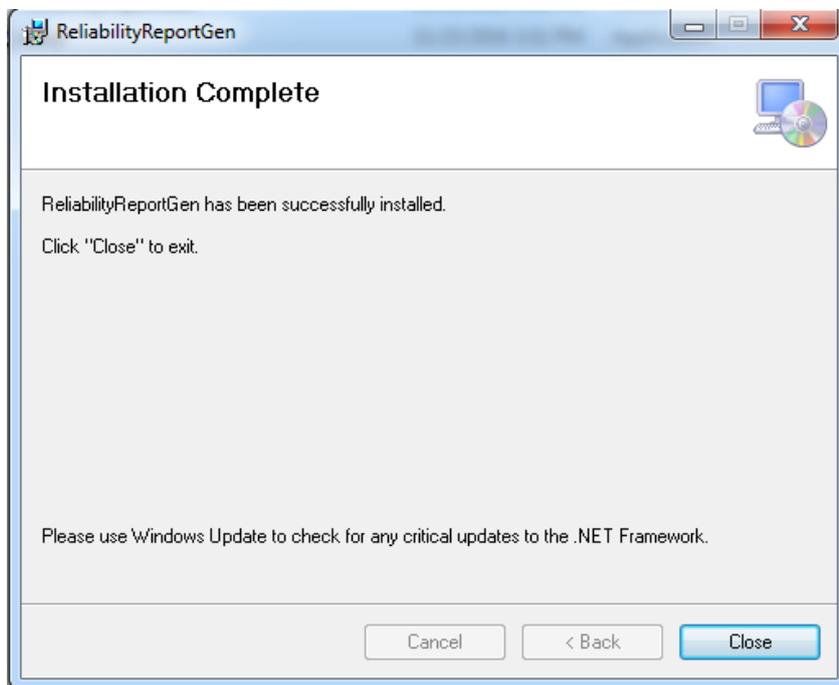
D:\ReliabilityReportGen\
Or

E:\ReliabilityReportGen\
Or

Select "Next" to confirm the Installation



Installation started.



Installation completed for Reliability Report Gen Tool.

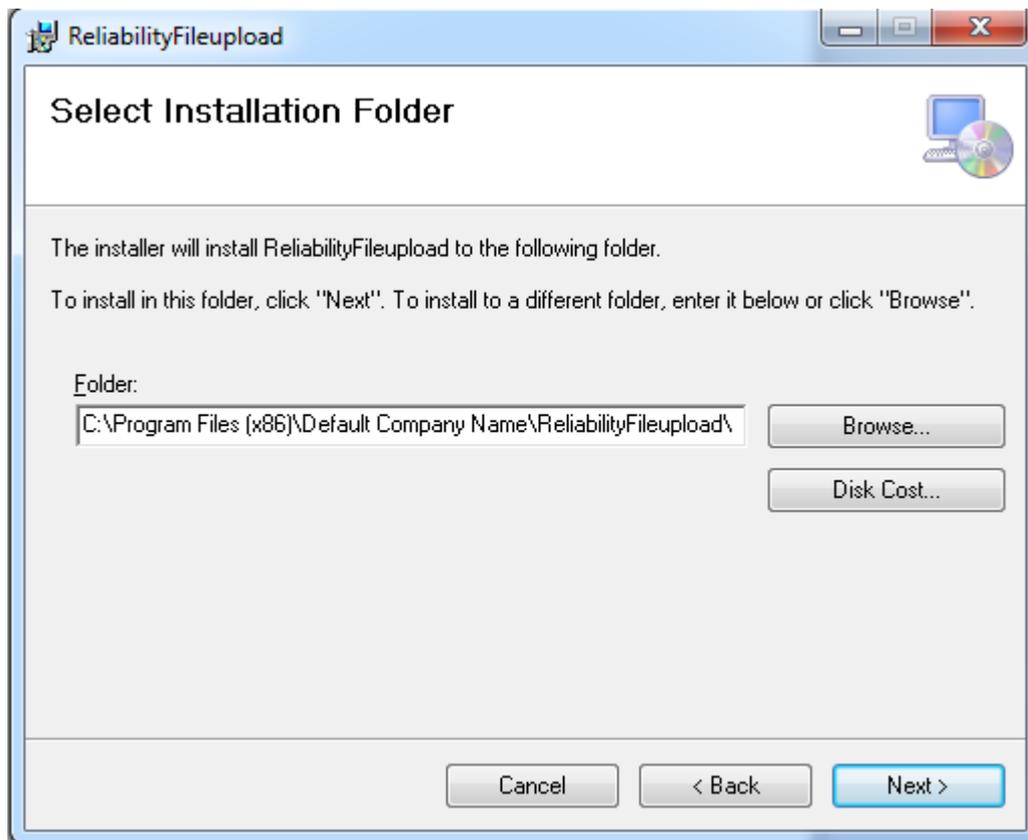
5. Steps to Install “ReliabilityFileUpload” Tool

Installation Steps:

Run the setup.exe file



Select “Next” to start the installation



By Default installer will choose the above path (as shown in screen shot). If we want we can choose different path

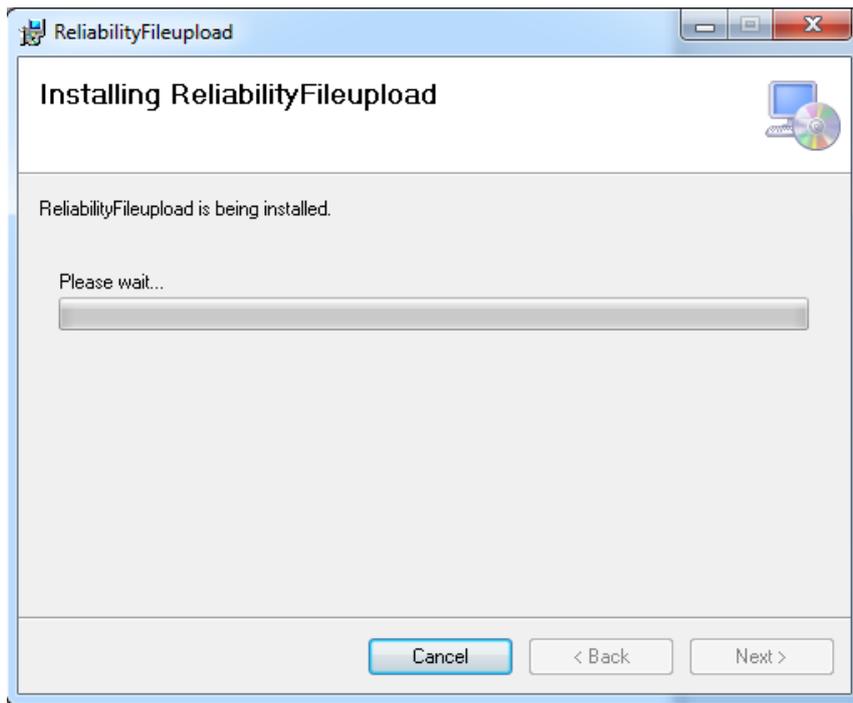
Example:

D:\ReliabilityFileUpload\

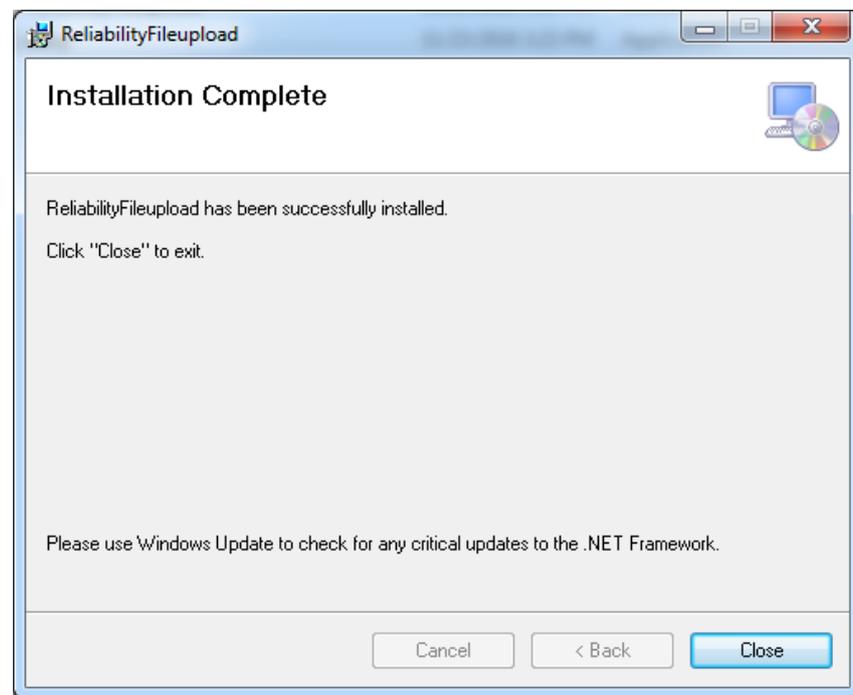
Or

E:\ ReliabilityFileUpload \

Select "Next" to confirm the Installation



Installation started



Installation completed for Reliability File Upload Tool.

6. ReliabilityReportGen Tool configuration Settings

In **ReliabilityReportGen Tool Folder**, we have to change "Reliability_Tool.exe.config" config file.

"Reliability_Tool.exe.config" file located in following folder structure

Example: "D:\ReliabilityReportGen\Reliability_Tool.exe.config"

In Reliability_Tool.exe config we have to change the following settings.

- In **appsetting** section we have to change the values for key "LogFilePath"

Report Log File Path – In the value field we have to change the path, for report status & Error Log. The path is like

```
<!--Report Log File Path-->
<add key="LogFilePath" value=" D:\ReliabilityReportGen\Log\"/>
```

- Please provide the connection string details of "Application server(RM Layer)":

<Server Name>, < Database Name>, <User Name>, <Password>

Please provide the connection string details:

Example: <connectionStrings>
 <add name="Reliability_Connection"
 connectionString="server=RMSERVERNAME;database=avnappdb;uid=sa;pwd=PASSWORD" />
 </connectionStrings>

- In **ApplicationSettings** Section inside we have to change the server Name. Server Name is Report Server(App Layer) where DW report is Installed.
 Eg:
 <value><http://<ServerName>/reimsweb/Infrastructure/InfrastructureServices/DwBulkReportGenerationService.asmx> </value>

7. ReliabilityFileUpload Tool Configuration Settings

In **ReliabilityFileUpload Folder**, we have to change "TRANSFER_FTP_PATH.exe.config" config file.

"TRANSFER_FTP_PATH.exe.config" config file located in following folder structure

Example: "D:\ReliabilityFileUpload\TRANSFER_FTP_PATH.exe.config"

In TRANSFER_FTP_PATH.exe.config config we have to change the following settings.

- **Report Log File Path** – In the value field we have to change the path, for report status & Error Log. The path is

```
<!--Report Log File Path-->
<add key="LogFilePath" value=" D:\ReliabilityFileUpload\Log\"/>
```

- Please provide the connection string details of "Report server (RM Layer)":
<Server Name>, < Database Name>, <User Name>, <Password>.
- In **ApplicationSettings** Section inside we have to change the server Name. Server Name is Report Server (App Layer), where DW report is Installed.

Example:

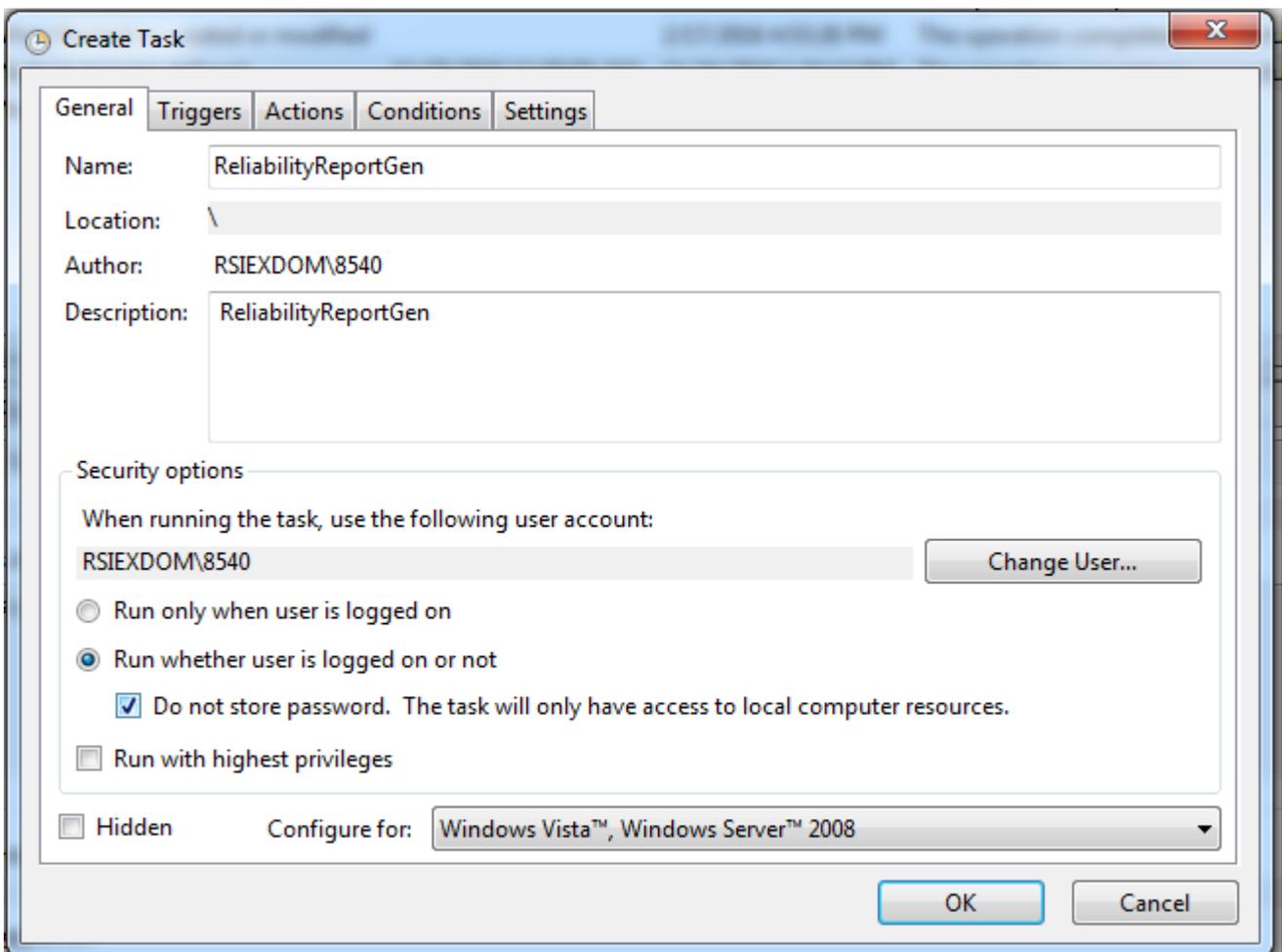
<Value><http://<ServerName>/reimsweb/Infrastructure/InfrastructureServices/DwBulkReportGenerationService.aspx></Value>

8. Steps to configure Reliability_Tool.exe in windows scheduler

- In task scheduler we have to add this exe to execute the tool.

Steps to add the exe file in windows scheduler:

Give the scheduler name details in tab 1 (General)



Tab 1: As highlighted in the first “General” Tab,

- Provide “Name”
- Select the option “Run whether user is logged on or not”
- Check the option “Do not store password. The Task will only have access to local computer resources”

Tab 2: Go to second tab 'Triggers', add the scheduler triggering details. Configure the scheduler for every 30 minutes.

Begin the task: On a schedule

Settings

One time

Daily

Weekly

Monthly

Start: 11/24/2016 4:16:13 PM Synchronize across time zones

Recur every: 1 days

Advanced settings

Delay task for up to (random delay): 1 hour

Repeat task every: 30 minutes for a duration of: Indefinitely

Stop all running tasks at end of repetition duration

Stop task if it runs longer than: 3 days

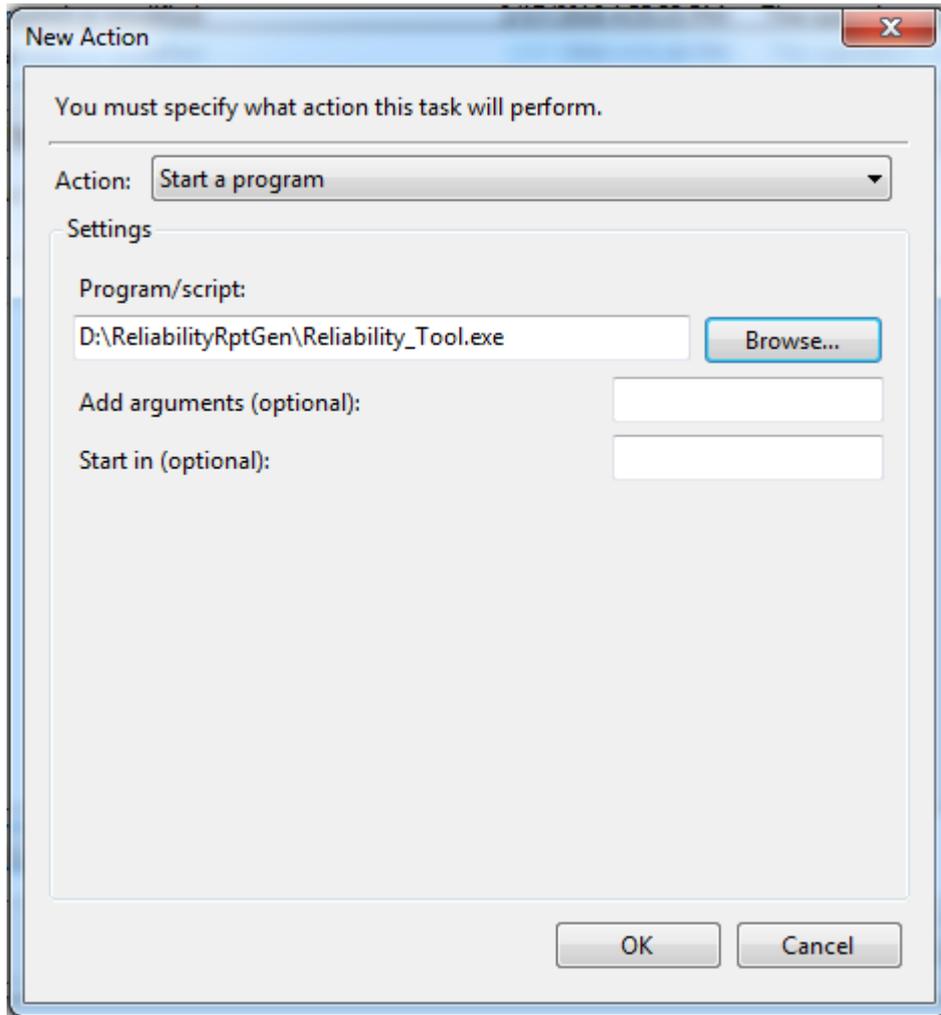
Expire: 11/24/2017 4:18:47 PM Synchronize across time zones

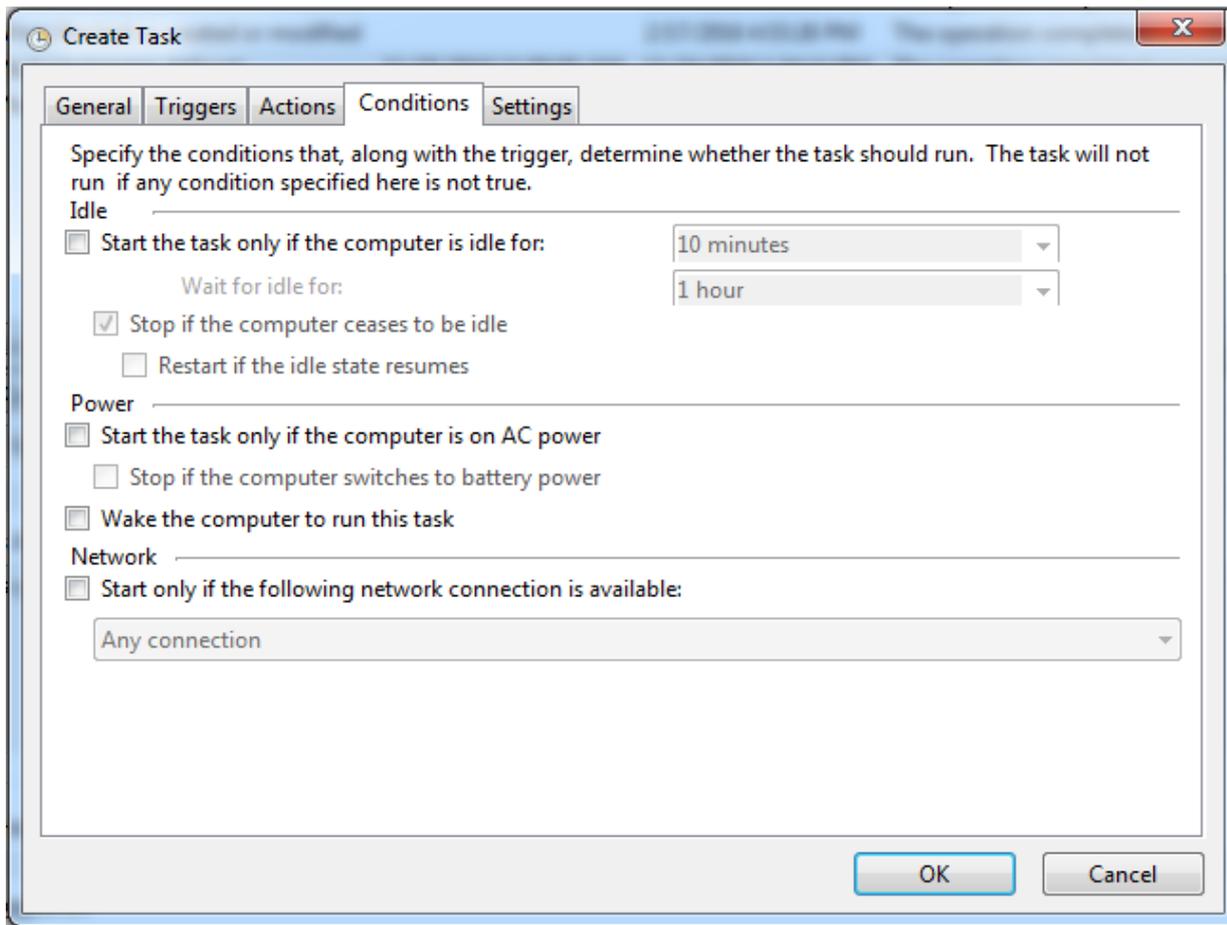
Enabled

OK Cancel

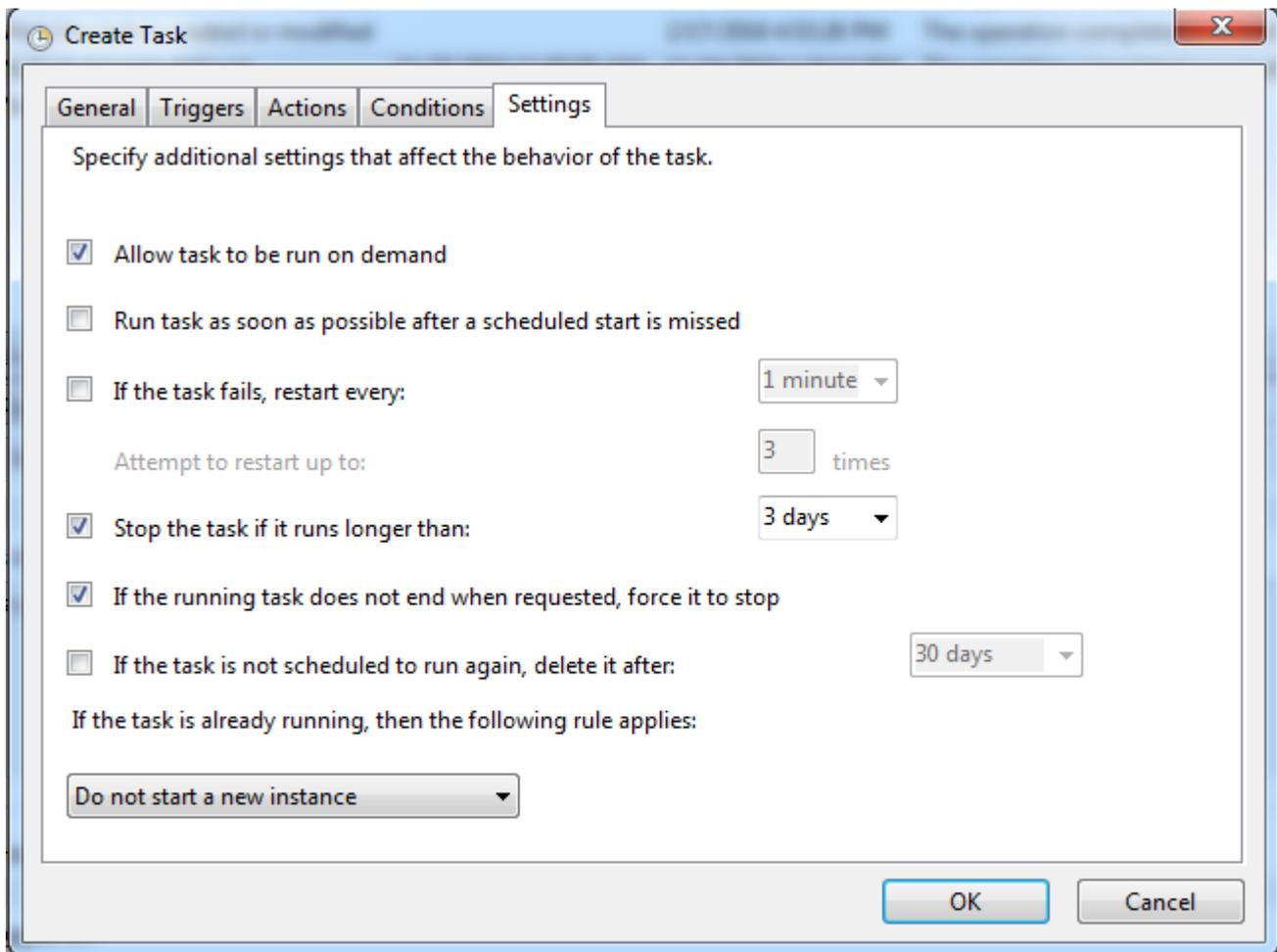
In the Advanced settings check the "Repeat task every", select 30 minutes and "for a duration of" as "Indefinitely"

Tab 3: Go to tab 3 'Action' and give the reliabilityReportgen tool path up to the application in program/script.





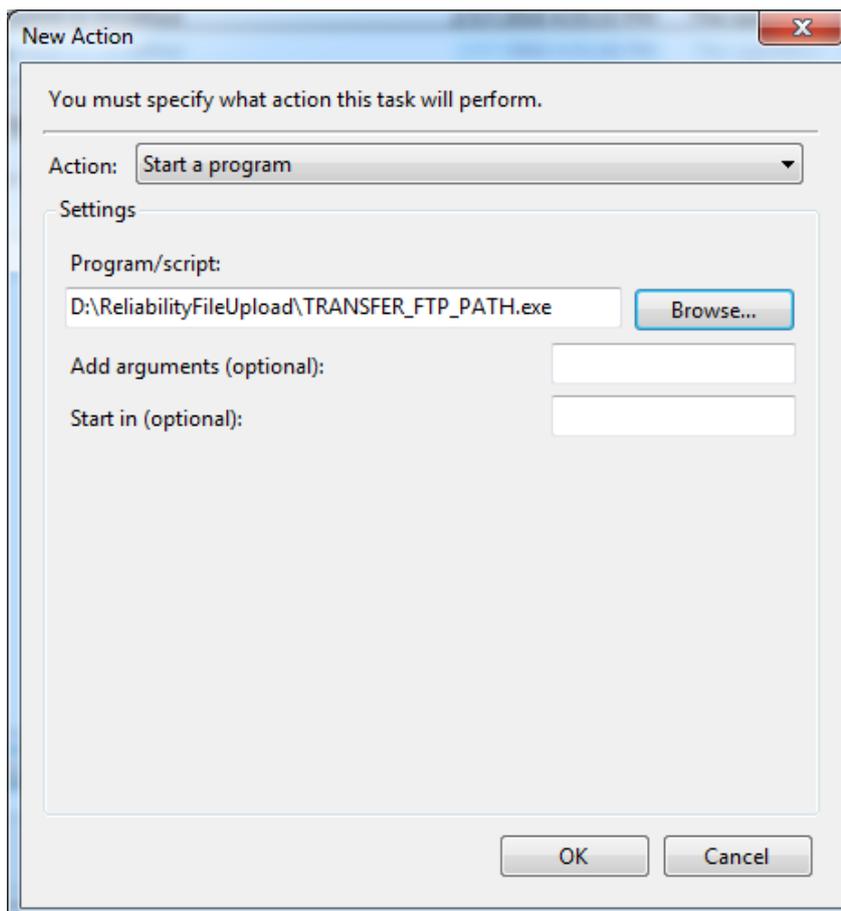
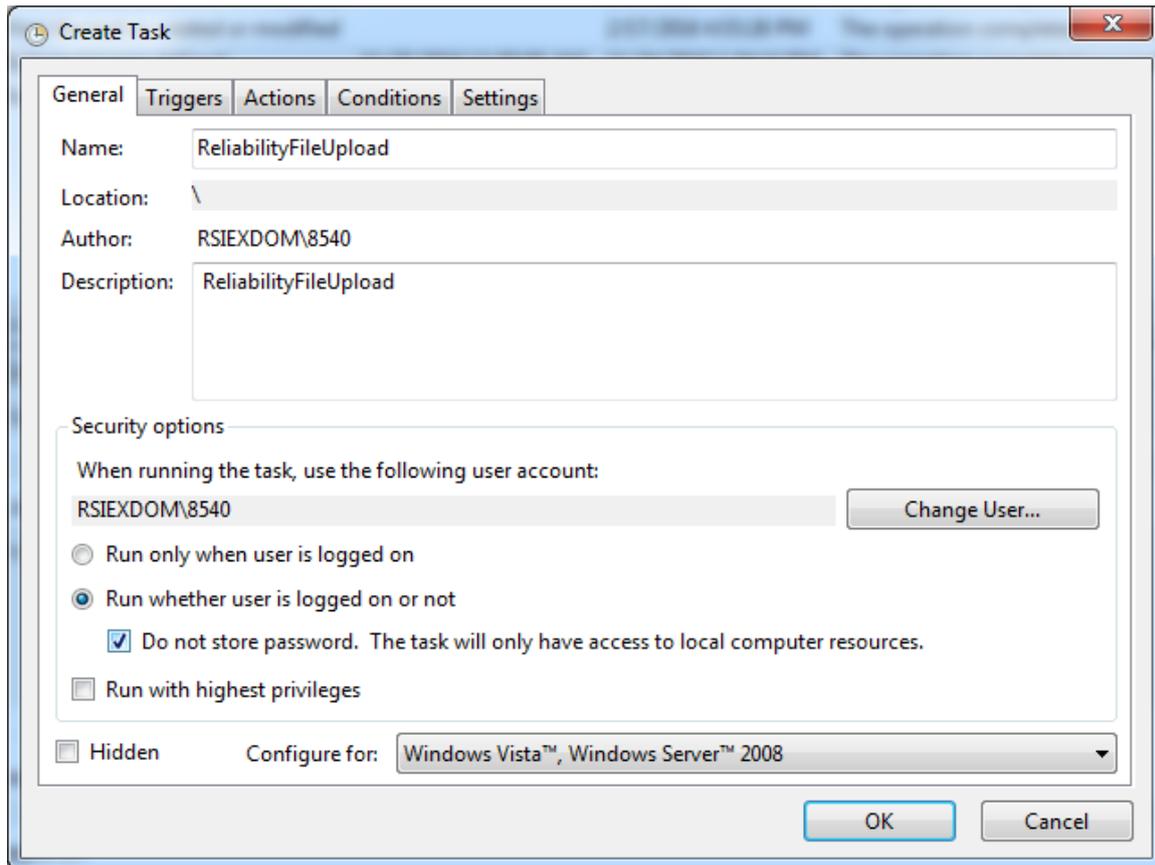
Tab 4: As highlighted in the “Conditions” tab, uncheck “Start the task only if the computer is on AC power”



Tab 5: As highlighted in above screenshot, complete the “Settings” tab which ends the completion of Task Scheduler for Reliability

9. Steps to configure TRANSFER_FTP_PATH.exe in windows scheduler

- Similar to the process done for ReliabilityReportGen tool, we have to do scheduler for Transfer FTP also.
- In task scheduler we have to add exe file to execute the tool



10. Tool testing and troubleshooting guidelines

Error log table:

BASRA_ERROR_LOG_TABLE

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