

# Version 5.8

### **Installation Manual**

**Application Server Side Settings** 



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### 1.0 Introduction

This installation guide provides necessary guidelines and steps that have to be followed for configuring the supporting utilities for Ramco Aviation application suite in Server machines

This comprises the following configurations:

- SQL Database Mail Optional
- Reliability Analysis Reporting Tool Setup- Optional
- Email & Fax Integration Optional
- Manage Consolidated Financial Statements Package Optional
- Automatic Material Movement Document (AutoMMD) Settings Optional
- Bar Code Label Printing Optional
- Schedulers to be configured Mandatory
- Scripts to be run Mandatory

### 2.0 Reliability Analysis Report Settings

Microsoft Office 2007 should be available in Web Server.

Enable Excel Micro Settings and Trust access to the VBA Project object Model. If the server has multiple login users, then these excel setting are to be done for all the login users.

Step 1: In Microsoft Excel, go to Office Button --> Excel Options --> Trust Center - $\rightarrow$  Trust Center Settings.

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#### Installing Reliability Setup

Click the ReliabilitySetup.msi file available under the folder ...\ IIS\ExtUi\BasRA in WEB Server.

#### Configuring Deploy.ini file

Reliability Analysis reports work based on the values provided in Deploy.ini file. Provide following details in the deploy.ini file available in the reliability setup installed path of WEB Server.

```
<Servername>
<username>
<password>
AVNAPPDB
< template path> (ex.) E:\Program Files\VirtualWorks\IIS\Extui\BasRa
<Local server path > (File generated path)
<FTP Path> ( Destination path given in Object Attachment --> Set Options)
<FTP User Name>
<Password>
```

Following changes need be done in the file ReliabilityAnalysis-2005.exe.config available in the installation path. For.Ex: ...\Program Files (x86)\Default Company Name\NewReliabilitySetup

The value in the code <add key ="IsCORS" value="YES"/> in the appsettings tab should be as follows

YES : If the doc attach folder path is in cross domain NO : If the doc attach folder path is in same server/domain

Refer the below settings under the <configuration> section.

```
Below settings is the default configuration for HTTP based service call.
```

```
<system.serviceModel>
  <br/>
<bindings>
        <basicHttpBinding>
         <binding name="Docattach latestSrv endpoint" closeTimeout="00:01:00"</pre>
openTimeout="00:01:00" receiveTimeout="00:10:00" sendTimeout="00:01:00"
allowCookies="false" bypassProxyOnLocal="false" hostNameComparisonMode="StrongWildcard"
maxBufferSize="65536" maxBufferPoolSize="524288" maxReceivedMessageSize="65536"
messageEncoding="Text" textEncoding="utf-8" transferMode="Buffered"
useDefaultWebProxy="true">
           <readerQuotas maxDepth="32" maxStringContentLength="8192"
maxArrayLength="16384" maxBytesPerRead="4096" maxNameTableCharCount="16384"/>
           <security mode="None">
             <transport clientCredentialType="None" proxyCredentialType="None" realm=""/>
             <message clientCredentialType="UserName" algorithmSuite="Default"/>
           </security>
         </binding>
      </basicHttpBinding>
```

<endpoint address="http://<hostname>/docattach/Docattach\_latestSrv.svc"
binding="basicHttpBinding" bindingConfiguration="Docattach\_latestSrv\_endpoint"
contract="AvnDocAttachService.IDocattach\_latestSrv" name="Docattach\_latestSrv\_endpoint"/>

Below settings is the default configuration for HTTPS based service call.

```
<wsHttpBinding>
        <binding name="WSHttpBinding_IDocattach_latestSrv" closeTimeout="00:01:00"</pre>
            openTimeout="00:01:00" receiveTimeout="00:10:00" sendTimeout="00:01:00"
            bypassProxyOnLocal="false" transactionFlow="false"
hostNameComparisonMode="StrongWildcard"
            maxBufferPoolSize="65536" maxReceivedMessageSize="5242880"
            messageEncoding="Text" textEncoding="utf-8" useDefaultWebProxy="true"
            allowCookies="false">
          <readerQuotas maxDepth="32" maxStringContentLength="8192"
maxArrayLength="65536"
              maxBytesPerRead="4096" maxNameTableCharCount="16384" />
          <reliableSession ordered="true" inactivityTimeout="00:10:00"
              enabled="false" />
          <security mode="Transport">
            <transport clientCredentialType="None" proxyCredentialType="None"
                realm="" />
```



Please configure hostname properly in the endpoint address field.

#### **Configuring Reliability Analysis Scheduler**

ReliabilityAnalysis.exe is the tool that needs to be configured in Windows Scheduler to run on a daily basis for every 1 hour (Configuration steps given below). The Tool obtains server details and template path information from the Deploy.ini file.

ReliabilityAnalysis.exe will be available under ..\\VirtualWorks\IIS\Extui\BASRA.

Steps to Configure ReliabilityAnalysis.exe file in Windows Scheduler: -

Step 1:- To start Windows Scheduler Task, Start  $\rightarrow$  Run  $\rightarrow$  Type "control schedtasks"  $\rightarrow$  Click Ok

In the Task Scheduler, click the Actions "Create Task" given on the right pane. A new window will open as shown in the below screenshot:

»   🖬   🛛 🖬		
ask Scheduler (Local)	Task Scheduler Summary (Last refreshed: 5/28/2010 5:32:33 PM)	Actions
in sale Scheduler (Usa)	Security options	Task Scheduler (Local)       Task Scheduler (Local)       Connect to Another Com.       Create Basic Task       Import Task       Import Task       Display All Running Tasks       Elisable All Task History       AT Service Account Confil       View       Refresh       Help
	Summary: 23 total	

As highlighted in the "General" Tab,

- i. Provide "Name"
- ii. Select the option "Run whether user is logged on or not"
- iii. Check the option "Do not store password. The Task will only have access to local computer resources"
- iv. Select the dropdown "Configure for" to Windows 7, Windows Server 2008 R2 or Windows Vista, Windows Server 2008 based on the operating system it is getting installed.

Create Task	New Trigger
General Triggers A	Begin the task: At task creation/modification
When you create a t	Settings
	No additional settings required.
Trigger	
	Advanced settings
	Delay task for: 15 minutes
	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
01	Activate: 5/28/2010 V 5:52:13 PM - Synchronize across time zones
INew	Expire: 5/28/2011 V 5:52:13 PM
	OK Cancel
ummary: 23 total	

As highlighted in the "Trigger" tab,

- i. Set the drop down "Begin the Task" as "At task creation/modification"
- ii. In the Advanced settings check the "Repeat task every", select 30 minutes and "for a duration of" as "Indefinitely"

Create Task	New Action	
General Triggers Actions	You must specify what action this task will pe	rform.
When you create a task, you	Action: Start a program Settings	¥
Action	Program/script:	Browse
	Add arguments (optional):	
	startin (opuona).	
New Edit		

As highlighted in the "Actions" Tab

- i. Set "Action" as "Start a Program"
- ii. In the Settings frame Click Browse button and select ReliabilityAnalysis.exe from path "..\\VirtualWorks\IIS\Extui\BASRA"
- iii. In "Start in (optional)", enter the 'ReliabilityAnalysis.exe' path and click "OK".

Specify the conditions that, along with the trigger, deter run if any condition specified here is not true.	rmine whether the task shou	ıld run. The task will not
Idle		
Start the task only if the computer is idle for:	10 minutes	<b>*</b>
Wait for idle for:	1 hour	<b>*</b>
🗹 Stop if the computer ceases to be idle		
Restart if the idle state resumes		
Power		
Start the task only if the computer is on AC power		
🛛 🗖 Stop if the computer switches to battery power		
Wake the computer to run this task		
Network		
Start only if the following network connection is available	ailable:	
Any connection		Ŧ
1 -		

As highlighted in the "Conditions" tab, uncheck "Start the task only if the computer is on AC power"

🕒 Create Task	×
General   Triggers   Actions   Conditions   Settings   Specify additional settings that affect the behavior of the task.	
<ul> <li>Allow task to be run on demand</li> <li>Run task as soon as possible after a scheduled start is missed</li> </ul>	
✓ If the task fails, restart every:	
Attempt to restart up to:	
Stop the task if it runs longer than:	
<ul> <li>✓ If the running task does not end when requested, force it to stop</li> <li>✓ If the task is not scheduled to run again, delete it after:</li> <li>✓ If the task is already running, then the following rule applies:</li> </ul>	]
Do not start a new instance	Cancel

As highlighted in above screenshot, complete the "Settings" tab which ends the completion of Task Scheduler for Reliability,

#### Configuring Folder for saving Reliability Analysis Reports

- Visit the screen under the BPC 'Utilities '--> Component 'Object Attachment '--> Activity 'Set Options'.
- Note the path mentioned under 'Path in Server'. If not defined, set a path.
- Create a folder within the above path in the web server to download Reliability reports.
- Provide write permission to the above folders for everyone/ the user account -'lusr\_<servername>'
- The folder created above needs to be defined for Reliability Analysis component in the multiline separately.
- All the .bmp files available in IIS\Reports folder should be copied to the folder 'IIS\Extui\BasRA' also.
- Company Logo should be available as .bmp file with the naming convention as <Company Name>.bmp (Company Name as defined in the application) in the folder 'IIS\Extui\BasRA'.
- In case of enabling Reliability Analysis in a server with multiple databases, the scheduler needs to be configured separately for each database. The path of the RelReports.exe file will vary for each database. The corresponding Deploy.ini, Reliability Report templates, ReliabilityReports.xml files will be configured along with .exe file. The Stored Procedures and Table objects need to be compiled in each database.
- For Windows 2008 server, Please make this folder.
   C:\Windows\System32\config\systemprofile\Desktop
   C:\Windows\SysWOW64\config\systemprofile\Desktop

#### Pre-requisites for executing ReliabilityAnalysis.exe file

- At least one printer driver needs to be installed in Web server for the generation of Reliability reports.
- Ensure that the following assemblies are available in Global Assembly Cache path (C:\Windows\Assembly)
  - o Microsoft.Office.Interop.Excel
  - o Microsoft.Office.Interop.Word



### 3.0 Manage Consolidated Financial Statements Package

Refer the attached document for configuration and settings



### 4.0 Automatic Material Movement Document (AutoMMD) Printing

For AutoMMD installation, Please refer to the setup files and documents available in the product cut folder.

...\DVD4 - Tools & Documents\Tools\AutoMMD

### 5.0 Enabling M&E interaction with ePubs

### A. M&E application integrated with Ramco ePubs for Package Printing:

#### I. Configuration settings:

Open up the Deploy.ini file available in ... IIS\ExtUi\NonRvw and provide the below details:

Database server name User who has access rights to ePubs database system Password M&E application database name

E.g.

avnbl01 rvwuser rvw avnappdb

#### **II. M&E** application interaction with ePubs:

M&E interaction with ePubs is enabled through database synonyms. The database synonym creation will follow one of the below scenarios.

**Scenario 1:** ePubs is installed in the same server where M & E Application is installed.

Create the synonym with database reference as given in the attached script in order to enable the interaction.

ePubs database name has to be modified against the variable @db\_name\_tmp in the below attached script and executed in AVNAPPDB.





Scenario 2: ePubs and M&E Application are installed in two different servers:

Linked server has to be established for accessing the objects related to ePubs application. Create the synonym with linked server and database reference as given in the attached script in order to enable the interaction.

ePubs database server name has to be modified against the variable @datasrc and ePubs database name has to be modified against the variable @db\_name\_tmp in the below attached script and executed in AVNAPPDB.



# B. M & E application not integrated with Ramco ePubs for Package printing:

Execute the below script in AVNAPPDB if M&E application is not integrated with ePubs for package printing.



### 6.0 Schedulers to be configured

The list of schedulers as mentioned in 'Scheduler Job List' annexure document need to be configured as SQL Job in RM Server.

To create a new Job, Follow the steps below:

- a. Connect to SQL Server Management Studio Object Explorer using sa user.
- b. Start the SQL Server Agent. If it is in stopped status, then right click on SQL Server Agent and click Start
- c. Expand SQL Server Agent, right click on Jobs. Give the name of the Job in the "Name" text box.

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d. Click on "Steps" from the left pane of the new window job. Click on "New" push button. Step window pops up. Give the Step name and select the Database from the database combo. Command text field, specify command to be executed and click on OK push button.

S New Job Step		
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	Tide	1001
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		OK Canod

e. Click on Schedules from the left pane of "New Job" window and click on "New" push button. A "New job Schedule" window pops up. Specify the name of the job in the Name text field. Ensure that 'Enabled' check box has been enabled. In the frequency section, specify the frequency of occurrence from the Occurs combo. In the Daily Frequency section, click on "Occurs every" radio button and specify the required timings from corresponding list boxes and combo. Under Duration section, specify the start date and required End date and click on OK.

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	Schedule type:	Recurs	👻 🕑 Endded
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	Descriptors	Documentary week on Sunday at 12:00:00 AM. Schedule with	Ibe used starting on 6/6/2008
		-	Carcel Heb

f. Click on OK to finish the Job.

### 7.0 Scripts to be run

• Below Script to be run in RM server in master database for providing permission to 'OLE Automation Procedures',

The below script to be run if the feature in component "Issue Tools" under Facility Management and if "Authentication for Tools Issue" is set as Required.

sp\_configure 'show advanced options', 1 GO RECONFIGURE GO sp\_configure 'Ole Automation Procedures', 1 GO RECONFIGURE GO

#### • Permissions to set

use msdb GRANT EXEC ON sp\_add\_job TO PUBLIC GRANT EXEC ON sp\_add\_jobstep TO PUBLIC GRANT EXEC ON sp\_add\_jobserver TO PUBLIC GRANT EXEC ON sp\_start\_job TO PUBLIC GRANT SELECT ON sysmail\_principalprofile TO PUBLIC GRANT SELECT ON dbo.sysjobs TO PUBLIC GRANT EXEC ON SP\_START\_JOB TO PUBLIC

use master GRANT EXEC ON xp\_sqlagent\_enum\_jobs TO PUBLIC

#### • Service broker

The Service Broker infrastructure has been implemented for forecast operations in order to schedule & perform the voluminous data processing operations by using multiple asynchronous queues with scheduled conversation handle/ delays in order to manage maintenance operations without using SQL Server Agent. This gives provision for flexible scheduling of work, which can translate to big improvements in both performance and scalability.

- 1. Stop and start the sql service
- 2. Execute below queries in application db

```
Declare @DBname nvarchar(50)
SELECT @DBname = DB_NAME()
exec ('ALTER DATABASE ' + @DBname + ' SET TRUSTWORTHY ON')
exec ('ALTER DATABASE ' + @DBname + ' SET NEW_BROKER')
```

Note:

(i) Please ensure DEPDB & all Application DBs like AVNAPPDB, HRMS40 owners are same".

This is very much required for online forecasting and Data Replication feature.

(ii) Please ensure database owner should have equivalent rights to "sa" login."

### 8.0 Aviation Offline Reporting Service

This feature is applicable for those who are generating financial & management accounting reports.

- 1. Create a folder named "Log Files" in \\IIS\ExtUi\REPMAC folder.
- 2. Create a folder named "Reports" in \\IIS\ExtUi\REPMAC folder.
- 3. Provide the information in .ini file which is available in \\IIS\ExtUi\REPMAC folder.
  - a. File name: AVNOfflineRepSettings.INI file
  - b. [ServerInformation]
    - i. < Server Name> = Mention RM server name
    - ii. <Database Name> = Specify aviation database
    - iii. <User Name> = readuser
    - iv. <Password> = Give the password corresponding to the given username.
  - c. [GeneralInformation]
    - i. <DW WebService URL> = Mention WEB server name in <SERVERNAME>
    - ii. < DocAttch WebService URL> = Mention WEB server name in
  - <SERVERNAME>

4. Execute "Install AVN Offline Reporting Service" batch file from \\IIS\ExtUi\REPMAC folder with administration rights

5. Execute "Start AVN Offline Reporting Service" batch file from \\IIS\ExtUi\REPMAC folder with administration rights

### 9.0 Ezee View and Ramco Aviation Online Documentation Mapping

For mapping Ramco online documentation to users following steps to be done

- 1. Map the OLH component to the applicable OU's in the table fw\_admin\_nonrvw\_OUInst\_Comp
- Map the OLH activity to applicable roles in the table fw\_admin\_nonrvw\_Role\_Activity (Refer the activityid from this query select \* from fw\_admin\_nonrvw\_activity where activityname like 'OLH%')

For mapping Ramco online documentation to users following steps to be done

- 1. Map the component to the applicable OU's in the table fw\_admin\_nonrvw\_OUInst\_Comp ( Refer component from this query, select \* from fw\_admin\_nonrvw\_activity where activityname like 'spexecutor%')
- 2. Map the activity to applicable roles in the table fw\_admin\_nonrvw\_Role\_Activity ( Refer the activityid from this query select \* from fw\_admin\_nonrvw\_activity where activityname like 'spexecutor%')

### 10.0 Document Attachment

For enabling document attachment feature, please refer to the document available in the product cut folder

...\DVD4 - Tools & Documents\Tools\DocumentAttachment

### 11.0 Manual Instructions

SI #	Description	File Name	Remarks	Manual Instruction
1	Common	ApplicationSettings.Js	To enable chrysalis	Add this code at the last row
	Settings	\IIS\Extui in Web	Theme	wizardVersion = "2.0";
		Server		
2	Common	ApplicationSettings.Js	To hide the	Add this code at the last row
	Settings	\IIS\Extui in Web	template icon	iHdnToolbarItems.defaulting =
		Server	which is not	true;
			supported currently	bannerCollapse = false;
3	Application	To be added in	This setting is to	<add <="" key="ExtNormalWindow" th=""></add>
	Launch	web.config file	launch the	value="1">
	Settings		application in the	To be added under
			same session.	<appsettings></appsettings>
4	Planning	ApplicationSettings.Js	This option is to	preventFocusOnIIbo =
	Board	\IIS\Extui in Web	avoid the traversal	["amplanmntacplanent"];
		Server	issue in Planning	
			Board. (Issue	
			Details: When the	
			nodes in planning	
			board tree are	
			expanded focus is	
			getting set to the	
			header control.)	
5	Activity	-	To enable the new	Reload the activity search in
	Search		activities in Activity	Sun Solaris after doing the role

			search	activity mapping for the new
				activities
6	Mobile	Web Server	To enable mobile	a) Create new virtual directory
	Settings		APPs	in Web Server with the name :
				ramcoservices
				b) Point the virtual directory
				path
				virtualworks/ramcoserviceapig
				ateway.
7	Mobile	WCFClientSettings.confi	To enable mobility	a) Replace local host with APP
	Settings	g	(This feature has	server path in
		\RamcoServiceAPIGate	Commercial	WCFClientSettings_Sample.con
		way\App_Data in Web	implications. Only	fig.
		Server	licensed users need	b) Rename the file name
		WCFClientSettings_Sam	to do this )	WCFClientSettings_Sample.con
		ple.config		fig as
				WCFClientSettings.config.

### 12.0 Application Settings & Configuration

For the additional settings that needs to be configured for the application can be referred from the following document.

#### ...VirtualWorks\IIS\EXTUI\Release Documentation\Feature Documents\ExtJS Application Level Settings.doc

### 13.0 Workflow Setup

For workflow setup, Please refer to the setup files and documents available in the product cut folder.

...\DVD4 - Tools & Documents\Tools\WorkflowSetup

#### - End of Document -

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