



ramco



Ramco Aviation Solution

Version 5.8

Installation Manual

Application Installation Manual

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1. Introduction

This installation guide provides necessary guidelines and steps that have to be followed for installing the Ramco Aviation application suite.

This installation comprises the following major steps:

- Installation of Ramco Aviation Solution Business components through dump restoration methodology
- Manual Settings in Web, App and RM Servers
- Configuration of application Utilities

2. Installation of the Application -Dump Restoration Methodology

2.1 Prerequisite

Installation of Virtual Works RunTime(RT) and related setting in IIS.

2.2 Web & App Layer

Steps to be followed in Component Deployment:

1. Extract...\DVD2 - FE\IIS.rar or IIS.zip files in the following path of Web Server.

....\VirtualWorks\

The extracted IIS Folder contains all component folders and Activity Assemblies Folder. Each Component Folder contains .htm,.js,.aspx,.rpt, xml files.

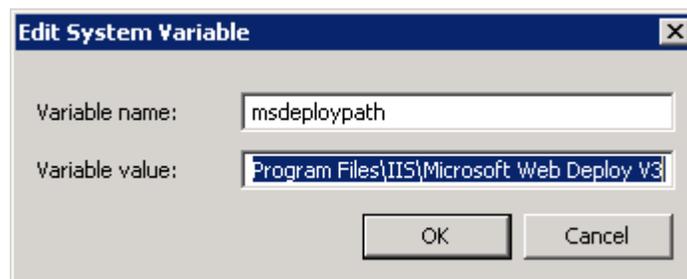
All Component activity dlls are available in the Activity Assemblies Folder.

Note: After extracting IIS.rar to Virtual Works folder, drag and drop the following dlls into GAC from the path "...VirtualWorks\IIS\plf_gac"

- *Excel.dll*
 - *ICSharpCode.SharpZipLib.dll*
 - *Itextsharp.dll*
2. Extract ...\\DVD2 - FE\ServiceDll.rar or ServiceDll.zip file in any local path of App Server.
The extracted Service dll folder contains latest ServiceDlls of all components and net modules component wise.
These entire Dot Net Service Dlls are required to be registered in Global Assembly Cache. To register these Dlls follow the below given steps.

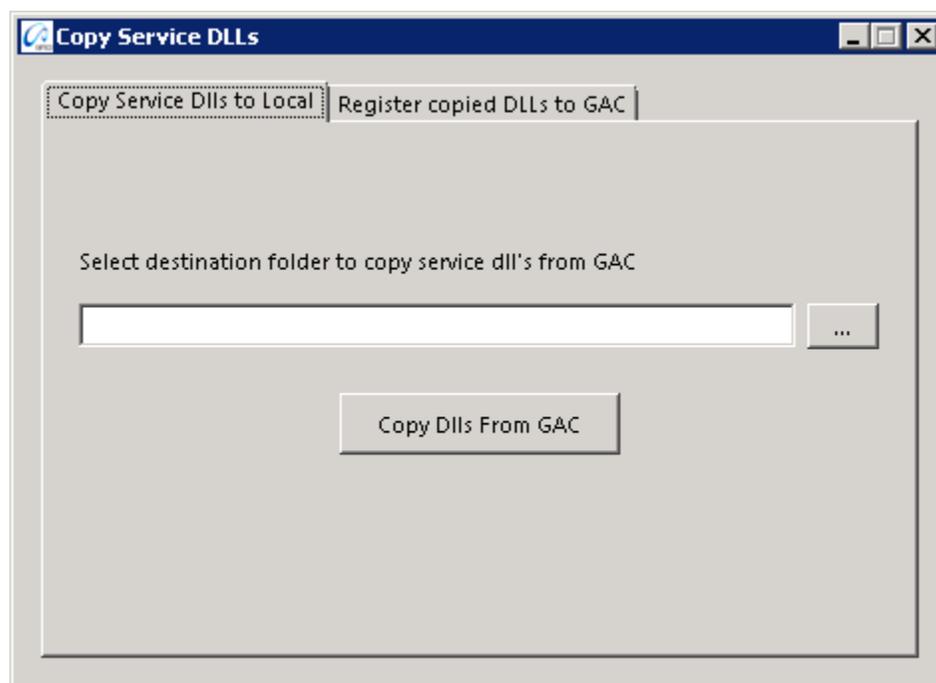
For Registering Service DLLs in GAC, Microsoft Web Deploy V3.5 needs to be installed in APP Server which is already mentioned in Prerequisites document. Please ensure the same get installed.

Environment Variable named "msdeploypath" needs to be added. To add, Go to My Computer -> Properties -> Advanced System Settings. Click on **Environment Variables** button. Under System Variables Click on **New** button, and give Variable Name as msdeploypath and Variable Value as "...\\Program Files\\IIS\\Microsoft Web Deploy V3"

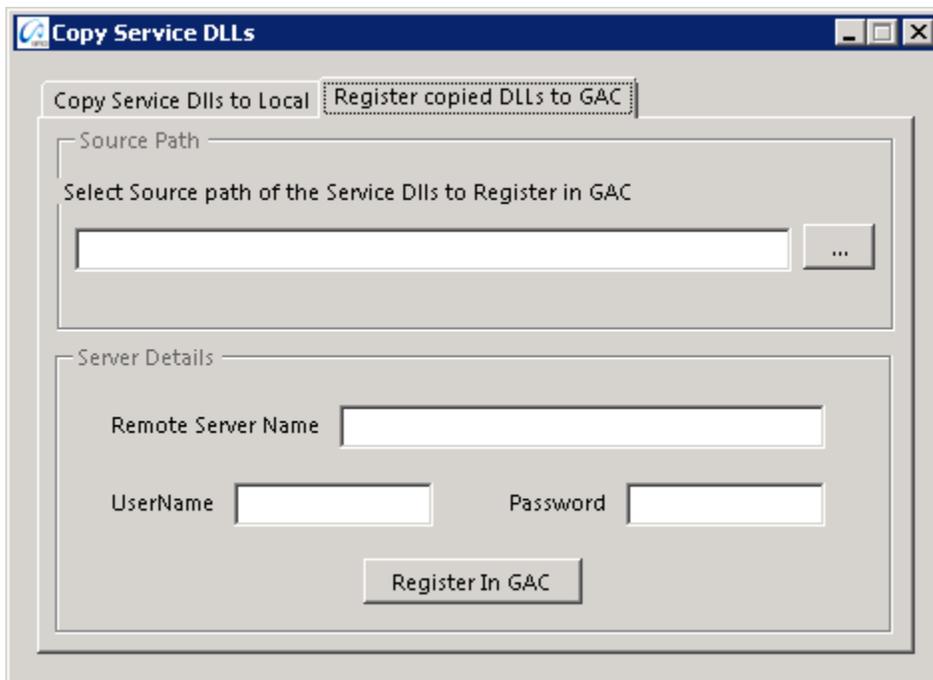


After setting this path, Re-Start Web Deployment Agent service in APP Server.

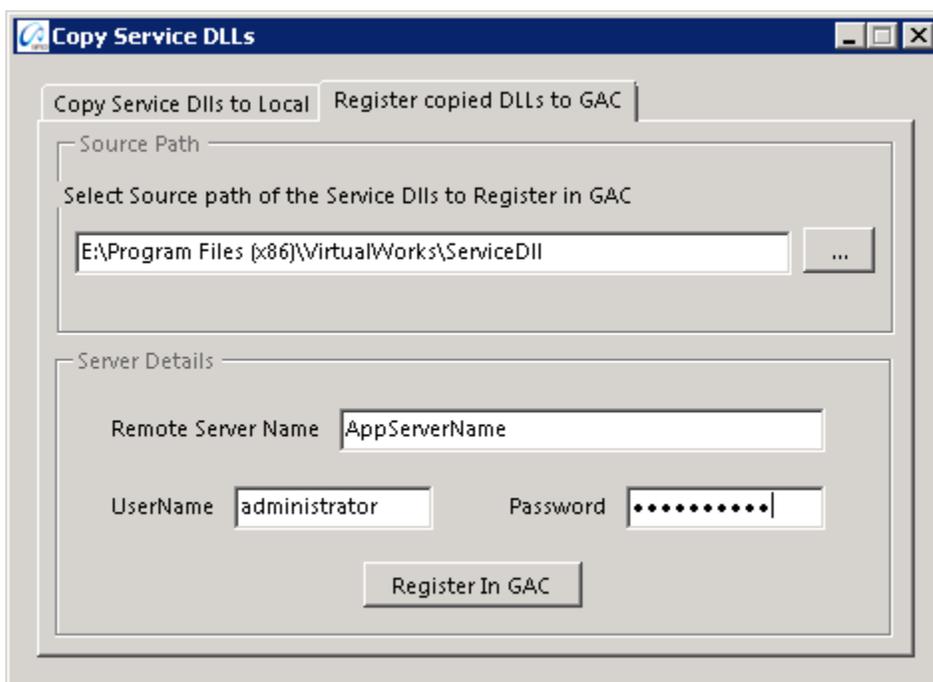
Copy the ServiceDllCopyApplication.exe to APP Server from ...DVD2 – FE and Click on the **Exe**.



Click on the **Register copied DLLs to GAC** tab.



Enter the Required information's like Local Extracted Path, Server Name, User Name & Password and then click on **Register In GAC** button.



ServiceDll registration in GAC process has been started. This may take few hours to complete the Registration process.

After successful registration, local extracted folder having ServiceDlls can be deleted.

3. Web services needs to be configured in WEB server as this is used by various functions in the Ramco Aviation application To host and configure the web services, refer the document and deliverables available in the below mentioned folder.

...\DVD4 - Tools\WebServiceDeliverables

4. To set the environment path for ITK as below:
In advanced tab of My Computer -> Properties -> Advanced System Settings Environment variable add New System Variable name as _ITKPATH_ and Variable Values as ...\\Virtual Works\IIS\ExtUi. Refer the screen shot below:

Note: This step needs to be added in Web Server.



Once the above settings are done, restart the Web Server.

2.3 Ramco DecisionWorks Advanced Reporting Setup

Refer the below document for the settings related to Ramco DecisionWorks Advanced Reporting Setup. Please ensure Database Name given as RDW_ADMIN for Ramco DecisionWorks Advanced Reporting Setup.

Document Name	Document Attachment	Reference Sections
12-RDW_ARI_v9.0_Installation		All

After successful installation of DecisionWorks, please remove the dwreportserver.bat file manually from the start up folder (refer the below path):

"%AppData%\Roaming\Microsoft\Windows\Start Menu\Programs\Startup

2.4 Application Database

Steps to be followed in Database Restoration:

1. Restore all the following databases from...\ DVD3 - BE \:

- Deployment Database (*DEPDB*)
- Application database (*AVNAPPDB*)
- Application database TempDB Tables (*AVNAPPDB_TempDB*)
- HRMS database (*HRMS40*)
- HRMSTEMPDB database (*HRMSTEMPDB*)
- HRMSCP database (*HRMSCP*)
- Workflow Database (*WFM40*)
- Audit Database (*ENT_AUDIT*)
- Data Update Database (*Dataupd_Audit*)
- Release Details Database (*Proj_EnvDB*)

Portlets / Workspaces Database (PortalAdminDB) – Applicable only if portlets are being used. *Note: Application Database name and Application Database TempDb database should be in the name as specified above. If there are any changes in DB names, kindly contact Ramco Aviation Product Support*

As of now Synonyms in AVNAPPDB are referring to AVNAPPDB_TempDB, if any new Application DB and respective TempDb added, then Synonyms scripts needs to be re-generated.

2. If the Depdb is not restored from the dump, kindly ignore the 3rd step and proceed with 4th step.
3. After restoration, run the embedded script ("DepDB_Resource_Config_SP.sql") in Deployment Database (DEPDB).



DepDB_Resource_Config_SP.sql

After compiling the above embedded script, run the below command in DEPDB.

```
EXEC DepDB_Resource_Config_SP '<App Server Name>','<RM Server Name>','<Gateway Server Name>','<Web Server Name>'
```

- *Gateway Server Name is same as Web Server Name*

4. Create two new sql user 'rvwuser' with password set as 'rvw' & 'rvwdiradmin' with password 'rvwdiradmin' in RM server, if they are not already exists..

5. Execute the below scripts in all the restored databases
 sp_change_users_login 'update_one', 'rvwuser', 'rvwuser'
 GO
 sp_change_users_login 'update_one', 'rvwdiradmin', 'rvwdiradmin'
 GO
6. Map the following components under Business Process "Deployment Process" to adminrole and adminou.
 - Portlet Mapping (portalmapping)
 - Report Customisation Component (Vwrep_customisation)
7. After the above settings, configuration dlls needs to be re-generated and needs to be deployed in GAC. Please refer the step by step document below for Configuration Dll generation.

Document Name	Document Attachment	Reference Sections
11-Configuration DLL Generation.docx		All

2.5 Report Customization

Configure the report setup in M&E application using the following document which will save the report related information in DEPDB.

<...VirtualWorks\IIS\EXTUI\Release Documentation\Feature Documents\Report Configuration.doc>

AR and ER reports need to be imported manually using Ramco Decision Works application. Report deliverables are available in the folder ...DVD4 - Tools\ReportDeliverables

Please refer the following document settings related to ER and AR report manual settings.

<...VirtualWorks\IIS\EXTUI\Release Documentation\Feature Documents\DW-Manual-deployment-steps.doc>

- End of Document -

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