

Oracle® Hospitality Inventory Management
Deployment Guide
Release 8.5.0
E66733-03

January 2019

Oracle® Inventory Management Deployment Document, Release.8.5.0.

Copyright © 2003, 2019, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

CONTENTS II

PREFACE..... III

- Audience iii
- Customer Support iii
- Documentation iii
- Revision History iii

OVERVIEWIV

- Before Starting iv
- Files Included..... iv
- Prerequisites..... iv
- Encrypted configuration: v
- Update database(s)..... xii

INSTALL PROCESSXIII

- Step by step instructions: xiv
 - WebApps..... xv
 - Installed Apps..... xviii
- AutomationService Activity Monitor xxi
- Additional Configuration options for AutomationService xxvii
 - Inventory -> Maintenance -> Settings -> AUTOMATION..... xxvii
 - AutomationService Instance Configured in AutomationService.exe.config xxvii
 - DBMaintenance Tool xxviii
 - Post Upgrade xxx

Preface

This document describes the fixes included in this patch.

Audience

This document is for administrators and technicians who are responsible for maintaining an 8.5.0 Oracle Hospitality Inventory Management deployment.

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:

<https://support.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at

<http://docs.oracle.com/en/industries/hospitality/>.

Revision History

Date	Description of Change
September 2015	<ul style="list-style-type: none">• Initial publication.
October 2015	<ul style="list-style-type: none">• Page xvi: additional instructions for changing the value of the MyMicrosRefreshURL key in web.config.
January 2016	<ul style="list-style-type: none">• Corrected the filenames.
June 2016	<ul style="list-style-type: none">• Added prerequisite requirement for Microsoft Visual C++ 2010 Redistributable package.
January 2019	<ul style="list-style-type: none">• Updated the Prerequisites section in the Overview chapter to include information on installing matching component versions.

Overview

The purpose of this document is to provide instructions for upgrading an existing Inventory Management environment to version 8.5.0. It is assumed that the Inventory Management installation being upgraded has all necessary prerequisites of prior versions.

Before Starting

See the *Oracle Hospitality Enterprise Back Office 8.5.0 Release Notes* for information about new or changed features and updates to system requirements and compatibility.

Files Included

The 8.5.0 release of Inventory Management includes the following files:

- 150903_MobileSolutionSetup myinv 8.50.4.zip
- 150903_MobileWebService 8.5.0.66.1560.zip
- 150903_mymicrosWebService 8.5.0.85.1560.zip
- 150903_myOrganizations 8.5.0.61.1560.zip
- 150903_POSWebService 8.5.0.65.1560.zip
- 150903_AutomationService (LB) for MYINV 8.5.0.73.1560.zip
- 150903_myinventory_DBMaintenance (32-bit)_8.5.0.18.1560.zip
- 150903_myinventory_DBMaintenance (64-bit)_8.5.0.18.1560.zip
- 150903_myinventory 8.5.0.83.1560.zip
- 150902_DGMIMS 8.50.6.1560.zip
- 150903_ASAMon 8.5.0.53.1560.zip
- SecureConfig.zip

Prerequisites

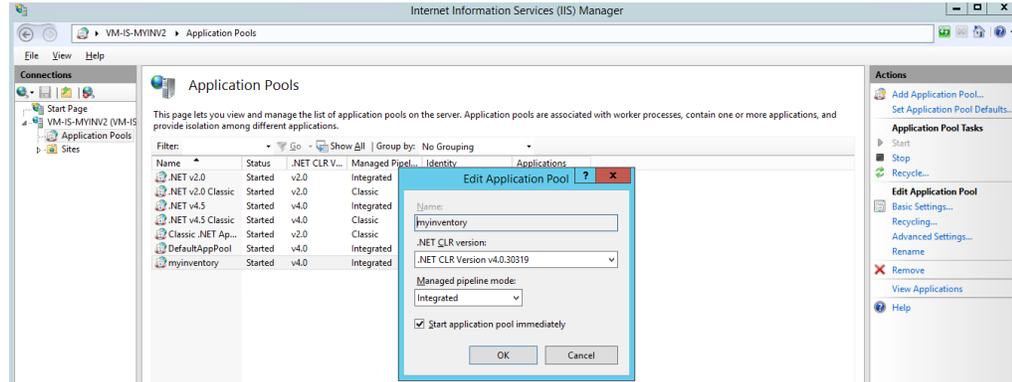
.NET4 (Full, not Client Profile) must be installed on PC. In case it is not installed on target PC, it can be downloaded from Microsoft – or it will be installed during DBMaintenance or AutomationService setup (if not found on PC)

Microsoft Visual C++ 2010 Redistributable Package must be installed on Microsoft Windows Server 2008 R2 and Microsoft Windows Server 2012 R2. Make sure you download and install the correct package for your operating system bits.

Oracle Data Provider for .NET must be installed: currently, we use Oracle-provided package that can be downloaded on the Oracle Website. There are 32 and 64bit version, pick one proper for the system and Oracle Client.

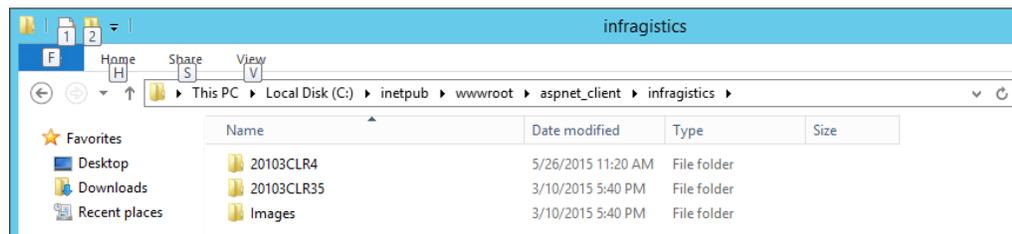
Execute `install.bat odp.net4 c:\oracle odac`,
add “c:\oracle” and “c:\oracle\bin” to the system PATH, before other Oracle paths.
copy “tnsnames.ora” and “sqlnet.ora” from existing Oracle client installation to
C:\oracle\network\admin.

Web applications must run in Application Pool that uses .NET4 and integrated managed pipeline mode.



We also need .NET4 Infragistics scripts which can be found in the Inventory Management package as usual.

Copy to inetpub\wwwroot\aspnet_client\Infragistics and you'll get a folder 2013CLR4 in the same level as the old 2013CLR35.



Install matching release versions of Enterprise Back Office components. For example, to use Inventory Management with Reporting and Analytics 8.5.0, make sure to install Inventory Management 8.5.0. This does not apply to patches because patch release versions may vary by component.

Encrypted configuration:

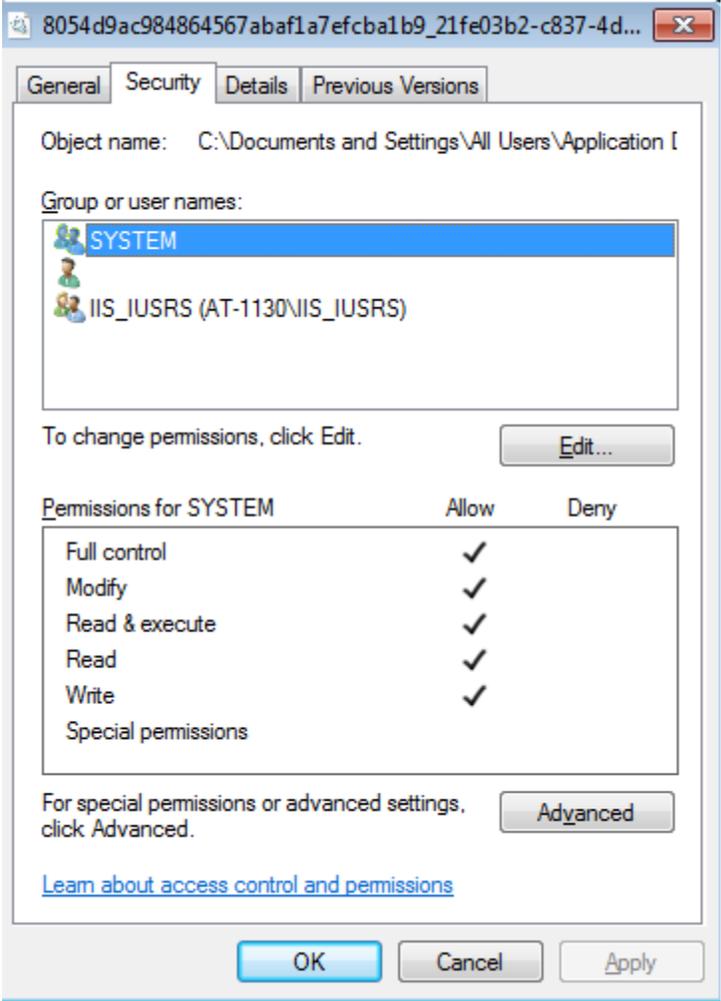
Starting from release 8.5.0, database password and encryption-key defining parameters will be stored in Protected Configuration (<https://msdn.microsoft.com/en-us/library/53tyfkaw%28v=vs.100%29.aspx>). Storing sensitive information in a non-readable format improves the security of our applications by making it difficult for an attacker to gain access to the sensitive information, even if an attacker gains access to the file, database, or other storage location. We are using RSA machine-level key container, which enables us to use single one for all our applications and simplifies the deployment on other PCs.

Deployment of Inventory Management applications must be done in following order:

- Install fresh applications (update can do, but with precautions explained below)
- Use the "SecureConfig" tool to create (or import) key container
- Define the encryption key parameters
- Encrypt configurations
- Update database(s)

It is recommended to install fresh 8.5.0 applications instead of updating them, since configuration files are changed. You can also do update, but before that, move the existing .config files to backup location.

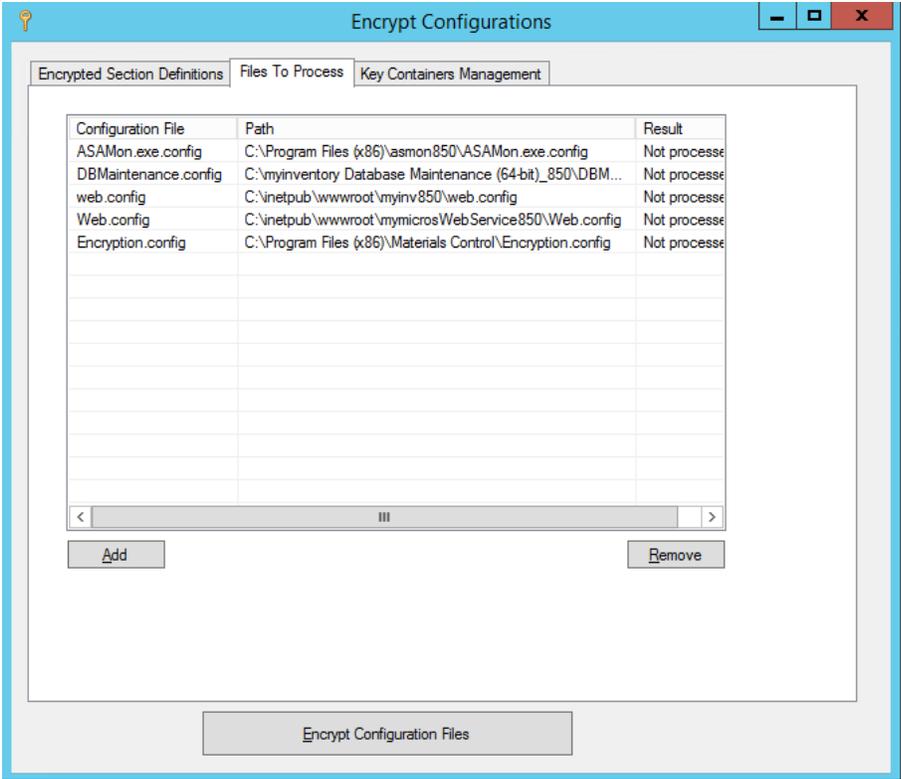
After key container is created, access must be granted. Right click on “myinventory” and select “Show key-file properties”. Dialog will be shown, select “Security” tab: Make sure that you give SYSTEM the full control, and if PC is going to be used for ASP.NET, give IIS_USRS Read access.



On the Files to process tab you need to add all Configuration files that need to be encrypted

These are depending on your installation:

- AutomationService Activity Monitor: ASAMon.exe.config
- AutomationService: AutomationService.exe.config
- DGMIMS: MobileSolutionsClient.exe.config
- MobileWebService: Web.config
- Inventory Management: web.config
- mymicrosWebService: web.config
- myOrganizations: web.config
- POSWebService: web.config
- DBMaintenance: DBMaintenance.config
- Thick Client: Encryption.config



Define the encryption key parameters

You will notice the new section in .config files:

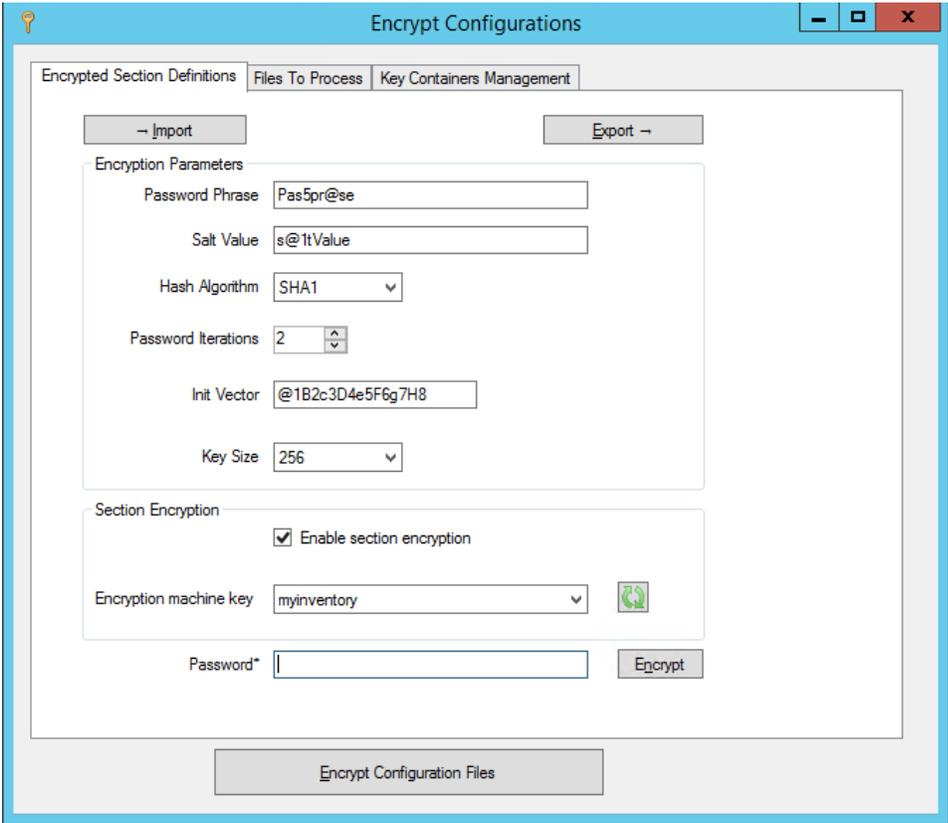
```
<EncryptedAppSettingsGroup>
  <!--NOT YET ENCRYPTED!; waiting for Key container management tool. This text
SHOULD NOT BE VISIBLE!
  Do not store encrypted values here without specifying exported key
container.
  -->
  <add key="passPhrase" value="Pas5pr@se" />
  <add key="saltValue" value="s@1tValue" />
  <add key="hashAlgorithm" value="SHA1" />
  <add key="passwordIterations" value="2" />
  <add key="initVector" value="@1B2c3D4e5F6g7H8" />
  <add key="keySize" value="256" />
  <add key="PASSWORD" value=""/>
</EncryptedAppSettingsGroup>
```

This section defines new encryption-related parameters that will be used instead of hardcoded ones from previous releases. Additionally, we now keep database password there.

The default .config files deployed with 8.5.0 applications have here the same values that were hardcoded in previous releases; it is recommended to change them, with some limitations:

- passphrase - can be any string
- saltValue - can be any string
- hashAlgorithm - can be "SHA1" or "MD5"
- passwordIterations - can be any number
- initVector - must be 16 bytes long
- keySize - can be 128, 192 or 256
- Store those values on safe place.

Enter Your encryption values to the Encryption Section Definition tab including the Password and Press Encrypt Configuration Files



You are able to Export your Settings to a XML file for Backup and later importing again if anything changes.

The Encrypt button can be used to preview the Encrypted password.

For Encrypting Configuration files the Password needs to be in Clear text available

Update database(s)

Use only Database Maintenance tool for updating databases to 8.5.0. Thick client “Database Updater” is not provided at all in 8.5.0, and “full” MC thick client 8.5.0 cannot be used for database update at all.

This first database update will do the re-encoding of data: decode by using old hardcoded passphrase and salt, encode fresh by using values from encrypted configuration section. This is one-way process.

After this, Inventory Management and other applications from suite can be used.

Deploying on other PCs in installation site

Fortunately, not all the steps from above are needed.

- Export “myinventory” machine key container from PC where it was created by using SecureConfig Tool, Key Container Management Tab, Right click on the myinventory Container and click on Export
- Import it on another PC by using SecureConfig Tool, Key Container Management Tab and click on Import key Container

- Grant access rights to imported key container

Copy .config files from PC where first installation was done

Install Process

Logically, the Inventory Management upgrade can be broken into two sections; Web Apps and Installed Apps.

1. Web Apps

The first part of the upgrade is the Web Apps section, which includes deploying web applications on IIS. In this part of the upgrade, we will deploy updated files for the myOrganizations, WebClient, mymicrosWebService and POSWebService builds. The C:\inetpub\wwwroot folder contains the builds for these web apps. For this part of the upgrade, we will need the following files...

150903_myinventory 8.5.0.83.1560.zip

Contains the builds that get copied to C:\inetpub\wwwroot\and to C:\inetpub\wwwroot\aspnet_client

150903_mymicrosWebService 8.5.0.85.1560.zip

Contains the build that gets copied to C:\inetpub\wwwroot\

150903_myOrganizations 8.5.0.61.1560.zip

Contains the build that gets copied to
C:\inetpub\wwwroot\

150903_POSWebService 8.5.0.65.1560.zip

Contains the build that gets copied to
C:\inetpub\wwwroot\

2. Installed Apps

The second part of the upgrade will be what we call the Installed Apps. These include the standalone applications that are installed using a Setup executable. For this part, we will use the following files...

150903_AutomationService (LB) for MYINV 8.5.0.73.1560.zip

Contains an installer (Setup.exe) that will be run to replace
myinventoryAutomation2 with AutomationService.

150903_myinventory_DBMaintenance (32-bit)_8.5.0.18.1560.zip or

150903_myinventory_DBMaintenance (64-bit)_8.5.0.18.1560.zip

Contains an installer to upgrade the Inventory Management DB Updater – this
installs two applications; the Single Instance DB Updater and the Batch DB
Updater

Step by step instructions:

This example shows how to upgrade a Inventory Management system where all components are installed on one single Windows installation. These steps may differ if using more than one myInv app server, with different components on different servers.

Upgrade Prep

1. Copy all files from the 8.5.0 build to a temporary directory on the Inventory Management app server, from which we will stage the upgrade. For this example, a folder named myInvSetup was created on the C: drive and the 8.5.0 build files were copied to it.
2. Stop the IIS Admin Service, DGService, DGNetService (which can be uninstalled) and delegateSys.myinventoryAutomation2 services. These can all be stopped from services.msc.
3. Make backup copies of the following directories.

C:\inetpub\wwwroot

C:\myinventoryAutomation2

C:\myinventoryService

<- this directory can be removed if desired

C:\Program Files\Materials Control

<- this can exclude the log files

C:\Program Files\DBUpdater

<- this can exclude the log files

WebApps

Note: The Inventory Management IIS webpages for this example are represented as <WebClientDir>, <myOrgDir> and <WebServiceDir>. <POSWebServiceDir> Replace these with the names of the IIS directories in your environment.

For example, in US Production, the directory for Webclient is C:\inetpub\wwwroot\webclient, and in EAME environments, the directory is C:\inetpub\wwwroot\myinventory

Unzip the following files to a temporary directory.

150903_myOrganizations 8.5.0.61.1560.zip will create the following folders when unzipped...

- myOrganizations.Application
- myOrganizations.Config

150903_myinventory 8.5.0.83.1560.zip will create the following folders when unzipped...

- Infragistics Scripts
- myinventory.Application
- myinventory.Config

150903_mymicrosWebService 8.5.0.85.1560.zip will create the following folders when unzipped...

- mymicrosWebService.Application
- mymicrosWebService.Config

150903_POSWebService 8.5.0.65.1560.zip will create the following folders when unzipped...

- POSWebService.Application
- POSWebService.Config

- 1) Once you have backup copies of the <WebClientDir>, <WebServiceDir> and <myOrgDir>, delete all the contents of these folders. The folders should be completely empty.
- 2) Browse to the myinventory.Application directory, select all contents and copy
- 3) Browse to the C:\inetpub\wwwroot\<WebClientDir> folder, and paste in all files from the myinventory.Application directory.
- 4) Browse to the myinventory.Config directory, copy the new web.config and paste it into the C:\inetpub\wwwroot\<WebClientDir> directory.

- 5) Open the web.config from the backup of the <WebClientDir> and copy everything between the <appSettings> and </appSettings> tags. Open the new web.config from the new <WebClientDir> and paste the appSettings section from the old into the new, overwriting the defaults from the new web.config. Alternatively, you can re-enter the application settings in the new web.config manually, but it is easier to copy them from the backed up file.
- 6) If you store any custom files in the <WebClientDir>, like image files for recipes, you will want to copy those from the backup and paste them back into the <WebClientDir> in the appropriate places.
- 7) Browse to the Infragistics Scripts folder in the new WebClient build and copy the Infragistics.zip file.
- 8) Browse to C:\inetpub\wwwroot\aspnet_client and delete the existing Infragistics folder
- 9) Paste the new Infragistics.zip file into the aspnet_client folder and extract the contents. This should create a new folder named Infragistics.
- 10) Browse to the myOrganizations.Application folder and copy all of the contents.
- 11) Browse to C:\inetpub\wwwroot\<myOrgDir> and paste in all the contents of the myOrganizations.Application folder.
- 12) Browse to the myOrganizations.Config directory, copy the new web.config and paste it into the C:\inetpub\wwwroot\<myOrgDir> directory.
- 13) Open the web.config from the backup of the <myOrgDir> and copy everything between the <appSettings> and </appSettings> tags. Open the new web.config from the new <myOrgDir> and paste the appSettings section from the old into the new, overwriting the defaults from the new web.config. Alternatively, you can re-enter the application settings in the new web.config manually, but it is easier to copy them from the backed up file.
- 14) Browse to the mymicrosWebService.Application folder and copy all the contents.
- 15) Browse to C:\inetpub\wwwroot\<WebServiceDir> folder and paste in all the contents of the mymicrosWebService.Application folder.
- 16) Browse to the mymicrosWebService.Config directory, copy the new web.config and paste it into the C:\inetpub\wwwroot\<WebServiceDir> directory.

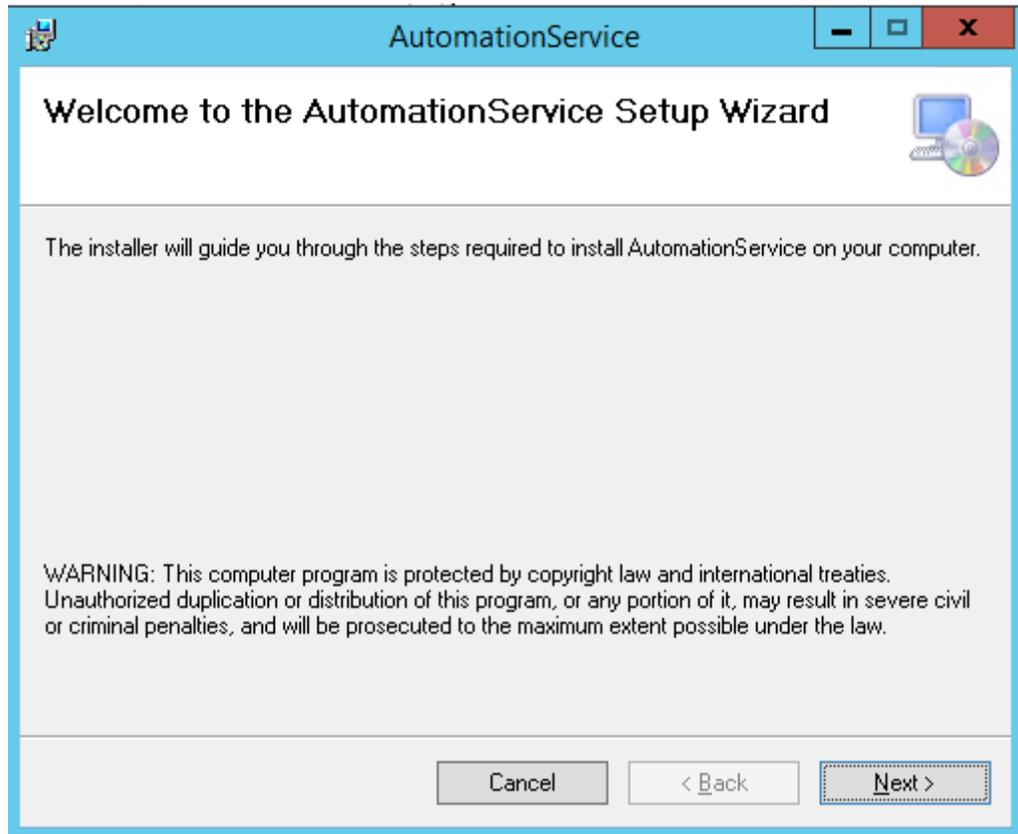
- 17) Open the web.config from the backup of the <WebServiceDir> and copy everything between the <appSettings> and </appSettings> tags. Open the new web.config from the new <WebServiceDir> and paste the appSettings section from the old into the new, overwriting the defaults from the new web.config. Alternatively, you can re-enter the application settings in the new web.config manually, but it is easier to copy them from the backed up file.

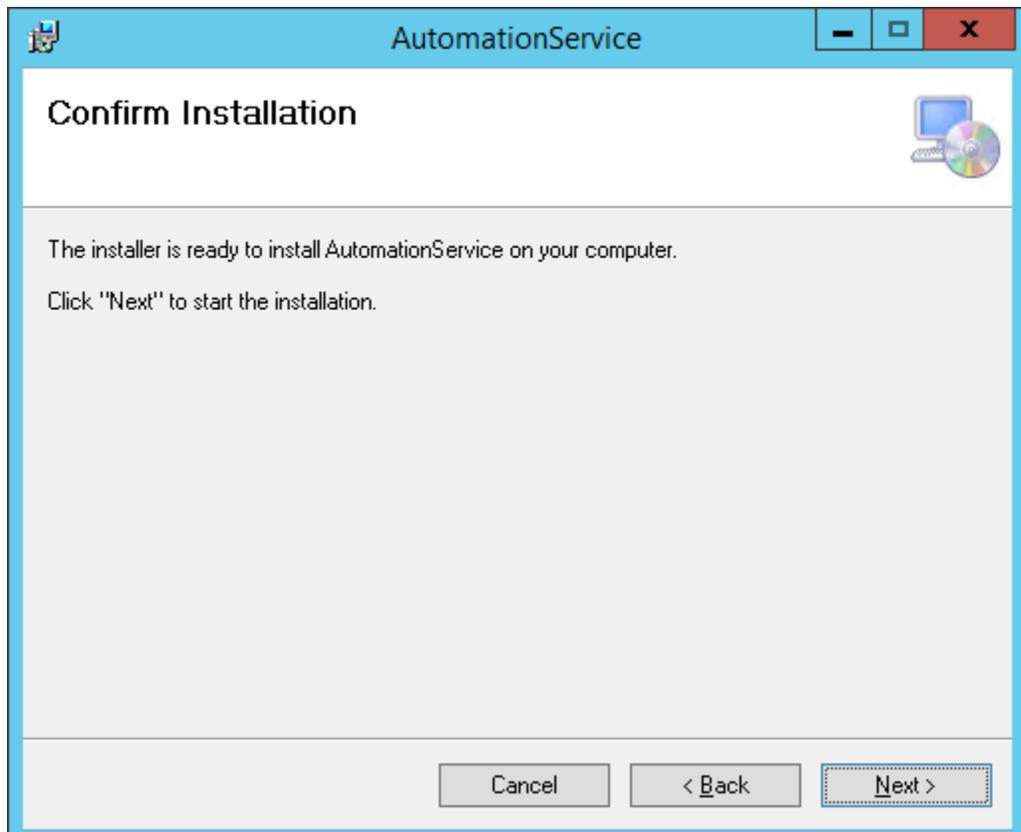
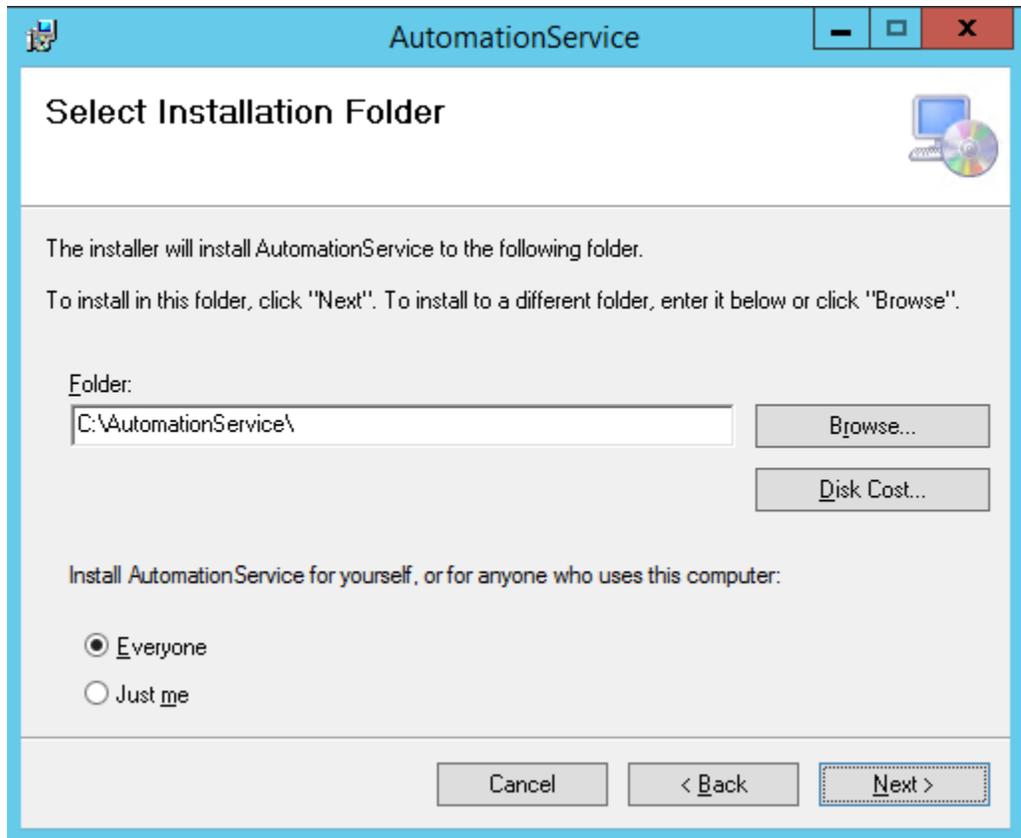
Find and replace the following key: <add key="MyMicrosRefreshURL" value="/core/keepLiveAction.do?method=update" />
with the following: <add key="MyMicrosRefreshURL" value="/core/keepLiveAction.do?method=refresh" />

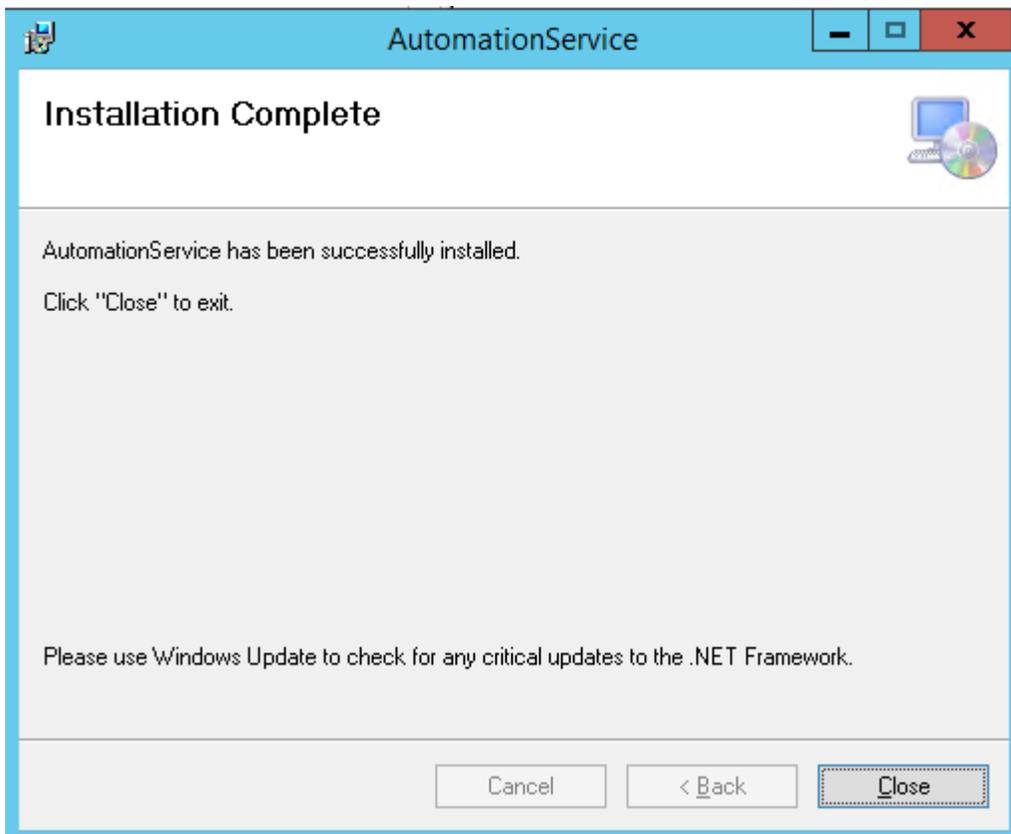
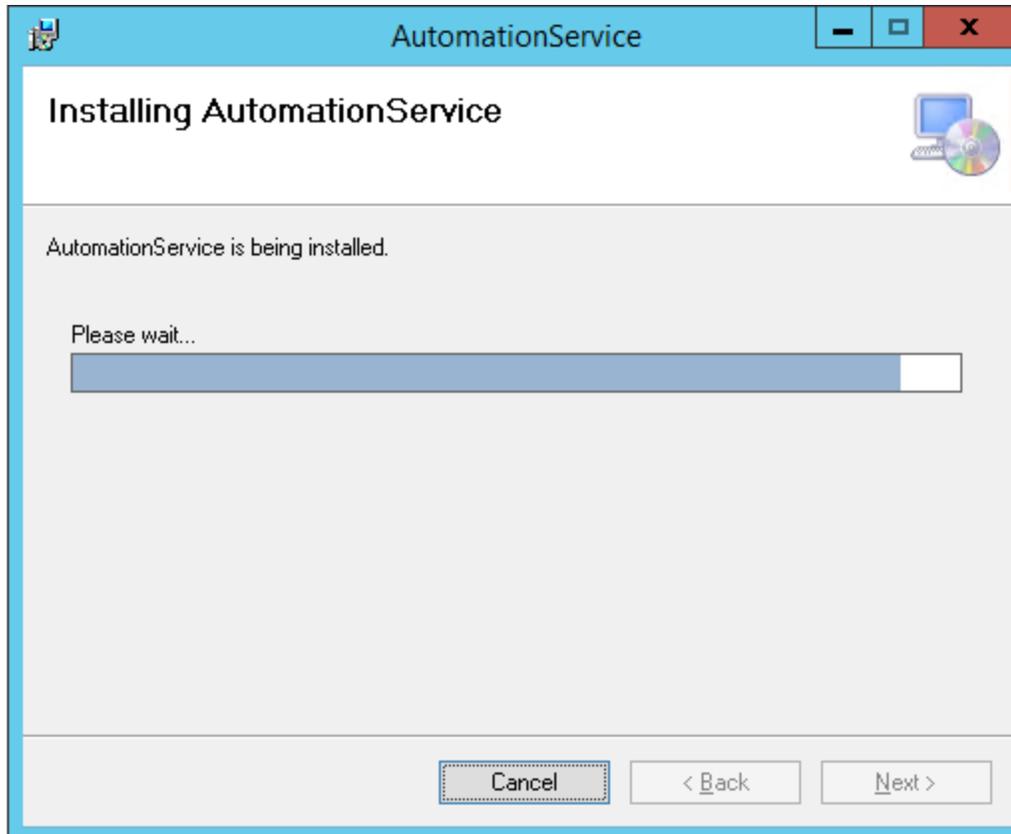
- 18) Create a new virtual IIS directory named PosWebService and link it to a physical directory in C:\inetpub\wwwroot\<POSWebService>.
- 19) Browse to PosWebService.Application folder, then select and copy all the contents.
- 20) Browse to C:\inetpub\wwwroot\<PosWebService> folder, and paste in all files from the PosWebService.Application folder.
- 21) Browse to PosWebService.Config directory, copy the new web.config and paste it to C:\inetpub\wwwroot\<PosWebServiceDir> directory. Open the web.config file and configure the "value" for each "key" manually between <appSettings> and </appSettings> tags.

Installed Apps

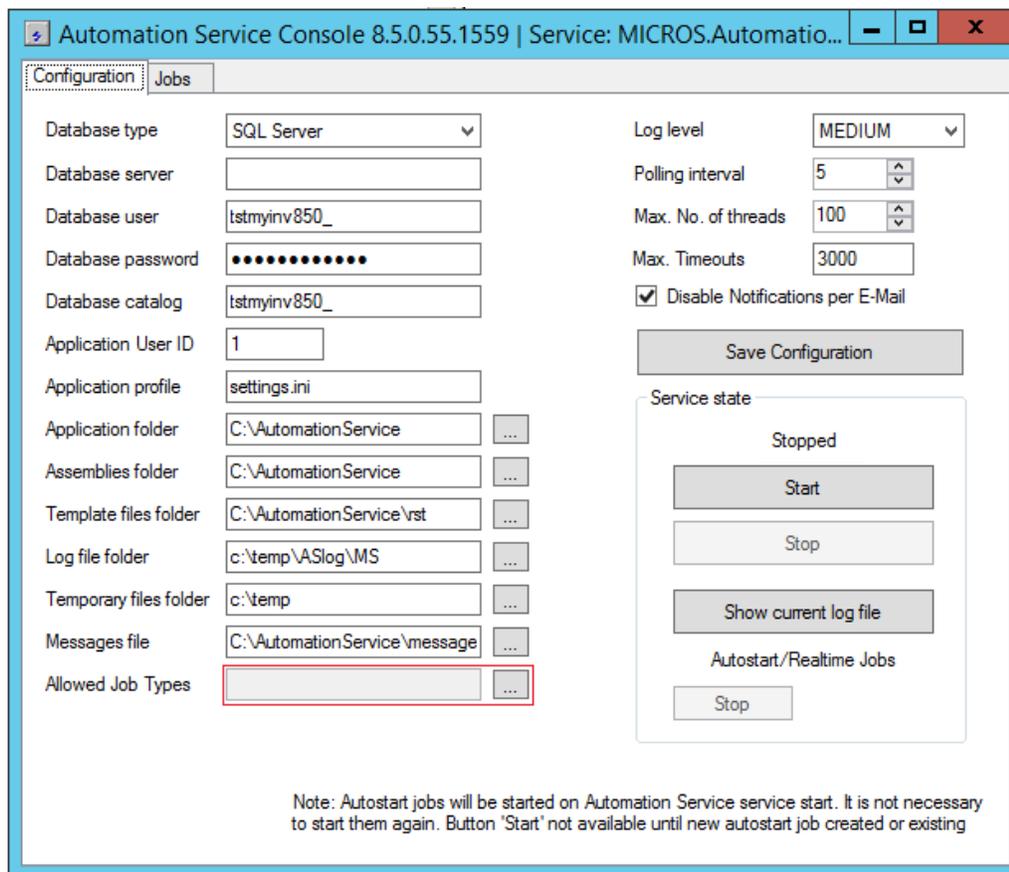
- 1) **For the update to Version 8.5.0 version below 8.5.0 of Applications needs to be uninstalled first.**
- 2) Browse to the folder where you extracted AutomationService Setup and run setup.exe. This will guide you through installing AutomationService that is replacing MIA2 from previous release.







If you have more than 1 Server running AutomationService Proceede in the same way. After the installation browse to the folder where AutomationService is installed and open AutomationServiceConsole.exe to configure the Database connectivity



As AutomationService is now load balancing on his own if installed in a Multi Server Environment there is no need anymore to select "Allowed Job Types" Per Server

AutomationService Activity Monitor

Short ASAMon is a application to monitor and configure AutomationService Instances in Single and Multi Installation environment.

To Install ASAMon extract 150812_ASAMon 8.5.0.52.1560.zip to a temporary folder.

This will build ASAMon.Application and ASAMon.Config folder.

Below ASAMon.Application you have subfolders for 32 and 64 bit Server

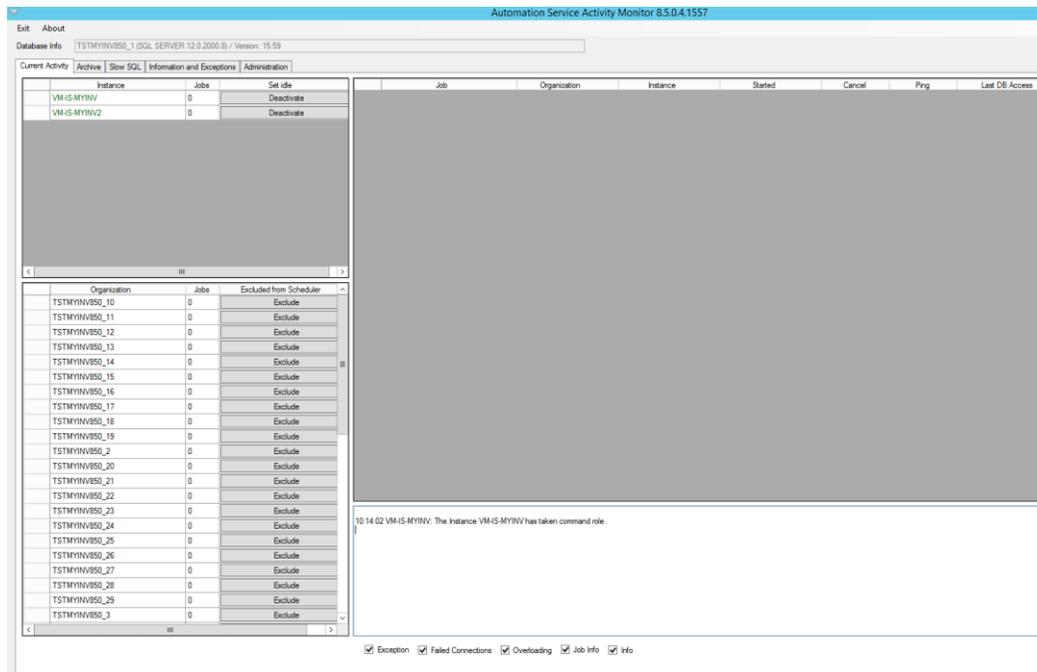
Copy the content of the corresponding folder for your OS to the Desination folder (in my case

C:\ASAMon\). Copy the content of ASAMon.Config to the C:\ASAMon\

Open SQL.config and FMLOGIN.ini and configure in the same way like

"myinventory Database Maintenance" to connect to the Master Instance that holds the Slave

Slave databases.



Top Left window

Instance:

All Servers running AutomationService Connecting to the

Master database

Jobs:

Red (not active) Green (Automation Service is running)

Current count of jobs running per Instance

Set idle:

Here you can deactivate / activate Instance from Load balancing

pool

Button Left window

Organization:

Name of the organization configured in the Master Database

Jobs:

Current count of jobs running per Organization

Exc. from Scheduler:

Singe organization can be excluded from Scheduler

Top Right window

Job:

Current Running Job

Organization:

for what or is this job running

Instance:

on what Server is the job running

Started:

When have the job started

Cancel:

Action to cancel current running job

Ping:

Check if the job is responding

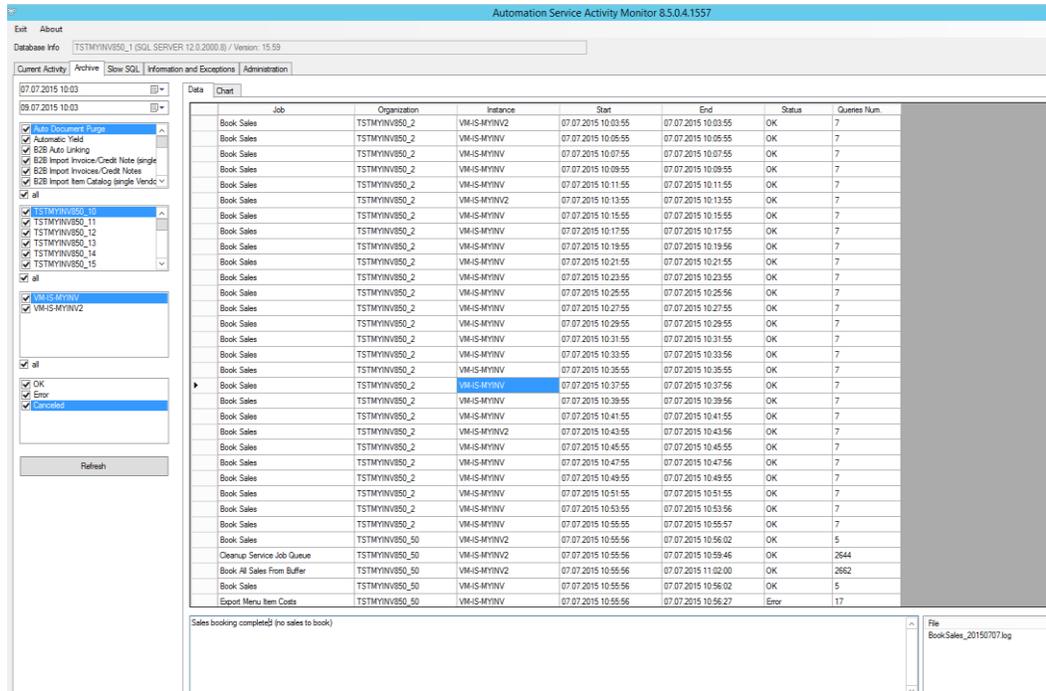
Last DB Access:

Date time of last Access to the DB of this job

Button Right Window

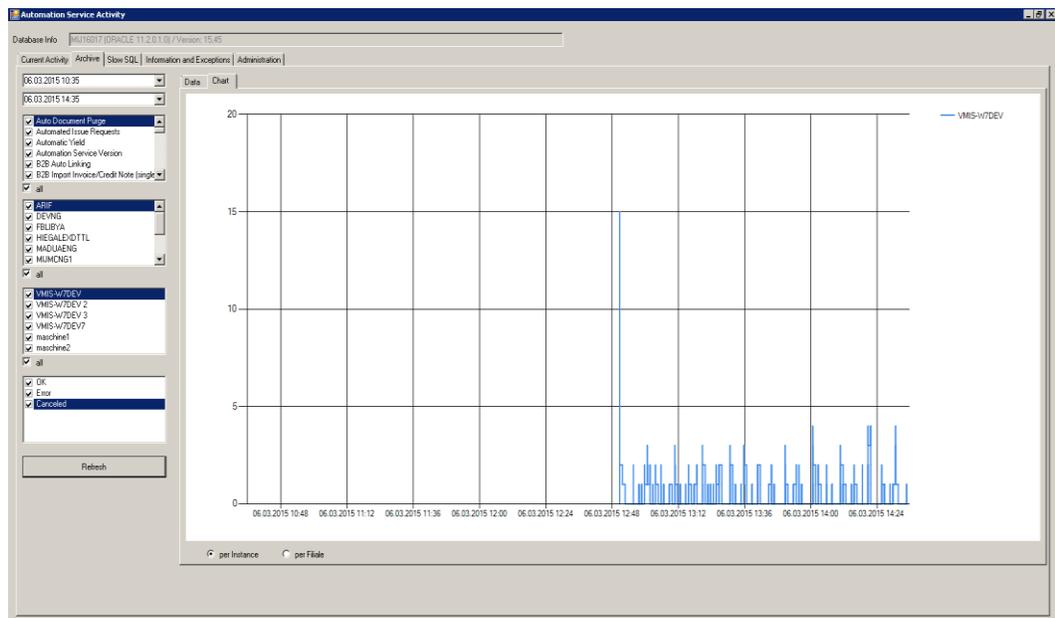
Log of finished jobs

ArchiveTab

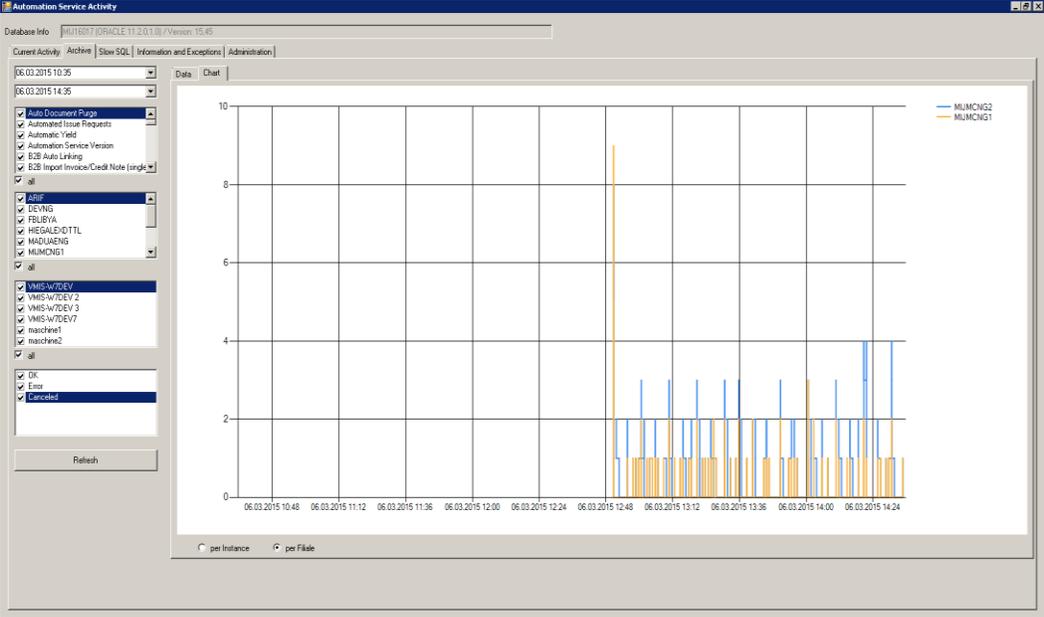


Here a Administrator can see based on the filters he have set on the left hand side the jobs that have been executed including start and end time status number of sql Queries fired against the db and access to the log written by this job by double clicking in the bottom right window on the log.

Second tab



Time period is displayed on X axis, and Y axis can show number of executed jobs per AS instance or organization (defined by radio-buttons on chart bottom). Each instance/organization has different color (legend available in upper right chart corner).



Slow SQL Tab

The screenshot shows the 'Slow SQL' tab in the 'Automation Service Activity Monitor 8.5.0.1557'. The window title is 'Exit About' and the database info is 'TSTMYNVS0_1 (SQL SERVER 12.0.2000.8) / Version: 15.59'. The main area contains a table with columns: Job, Time, Duration (s), Organization, Instance, Select, Parameters, and Stack. The table lists two instances of 'Book Sales from myinventory' with durations of 11 and 27 seconds. Below the table, there is a text area showing the SQL statement: 'DELETE FROM BONER WHERE brng_id = @brng_id AND bon_merge = 0 AND bon_yesdate = 0 AND smu@bon_weight_0) = 0 /' Processed 7''. At the bottom, there is a stack trace showing the execution path: 'DbConnection.SqlExecute', 'SalesBusinessProcessObject.CheckNew', 'SalesBusinessProcessObject.SalesBookingProcess', 'BookSpecificSales.Book', 'RuntimeMethodHandle.InvokeMethod', and 'RuntimeMethodInfo.InvokeMethodInternal'.

This tab shows information about SQL Statements that have exceeded a configured time in seconds for executing.

This tab is designed to assist Application and Database Administrators to identify slow running SQL Statements for tuning the Database or Application Servers.

Information and Exception Tab

Automation Service Activity Monitor 8.5.0.4.1557

Database Info: TSTMYYNV850_1 (SQL SERVER 12.0.2000.8) / Version: 15.59

Current Activity | Archive | Show SQL | Information and Exceptions | Administration

Time	Job	Type	Organization	Instance	Info	Stack
08.07.2014 10:03						
08.07.2016 10:03						
07.07.2015 10:07		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:06		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:06		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:05	Book Sales	Job Info	TSTMYYNV850_2	VM-LS-MYINV	(TSTMYYNV850_2) The Job...	
07.07.2015 10:05	Book Sales	Job Info	TSTMYYNV850_2	VM-LS-MYINV	(TSTMYYNV850_2) The Job...	
07.07.2015 10:05		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:05		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:04		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:04		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:03		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:03	Book Sales	Job Info	TSTMYYNV850_2	VM-LS-MYINV2	(TSTMYYNV850_2) The Job...	
07.07.2015 10:03	Book Sales	Job Info	TSTMYYNV850_2	VM-LS-MYINV2	(TSTMYYNV850_2) The Job...	
07.07.2015 10:03		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:02		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:02		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:01	Book Sales	Job Info	TSTMYYNV850_2	VM-LS-MYINV	(TSTMYYNV850_2) The Job...	
07.07.2015 10:01		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:01	Book Sales	Job Info	TSTMYYNV850_2	VM-LS-MYINV	(TSTMYYNV850_2) The Job...	
07.07.2015 10:01		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:00		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:00	Book Sales	Job Info	TSTMYYNV850_2	VM-LS-MYINV	(TSTMYYNV850_2) The Job...	
07.07.2015 10:00		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 10:00		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 09:59	Book Sales	Job Info	TSTMYYNV850_2	VM-LS-MYINV	(TSTMYYNV850_2) The Job...	
07.07.2015 09:59		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 09:59		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 09:58		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 09:58		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 09:57	Book Sales	Job Info	TSTMYYNV850_2	VM-LS-MYINV	(TSTMYYNV850_2) The Job...	
07.07.2015 09:57		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 09:57	Book Sales	Job Info	TSTMYYNV850_2	VM-LS-MYINV	(TSTMYYNV850_2) The Job...	
07.07.2015 09:56		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 09:56		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 09:55		Connection Failed		VM-LS-MYINV	Not possible to connect to t...	at System.Data.SqlClient...
07.07.2015 09:55	Book Sales	Job Info	TSTMYYNV850_2	VM-LS-MYINV	(TSTMYYNV850_2) The Job...	

Message contains: Refresh, Export

Not possible to connect to the Organization 50. Incorrect syntax near '...'.
 Incorrect syntax near '...'
 at System.Data.SqlClient.SqlConnection.OnError(SqlException exception, Boolean breakConnection)
 at System.Data.SqlClient.TdsParser.ThrowExceptionAndWarning()
 at System.Data.SqlClient.TdsParser.Run(RunBehavior runBehavior, SqlCommand cmdHandler, SqlDataReader dataStream, BulkCopySimpleResultSet bulkCopyResult, TdsParserStateObject stateObj)
 at System.Data.SqlClient.SqlDataReader.ConsumeNextData()
 at System.Data.SqlClient.SqlDataReader.get_MetaData()
 at System.Data.SqlClient.SqlCommand.FinishExecuteReader(SqlDataReader ds, RunBehavior runBehavior, String resetOptionsString)

This Tab shows additional information about executed jobs their status, Failed Connections and Exceptions.

Message types can be:

Exceptions - program errors

Job Info - information about the jobs (started/finished)

General Info - server messages

Failed Connections - database connections lost

Server Overloading - when some actions are taking longer than expected.

Administration tab

Number of Slow SQL Rows: 2

Delete older than...

08.07.2014 09:59

Count of rows in this table and the option to delete these rows if they are not needed anymore

Number of Exception/Info Rows: 8609

Delete older than...

08.07.2014 09:59

Count of rows in Exception / Info table and the option to clean this table

Number of Archive Rows: 719

Delete older than...

08.07.2014 09:59

Count of rows in archive table and the option to clean this table

Max. concurrent Jobs per Database Server

40

Maximum Numbers of Parallel running Jobs per Database Instance (Not Physical Server)

LOG SQLs with Duration greater than (seconds)

10

Configuration in Seconds for SQLs that should be logged in Slow SQL Tab

LOG Execution Plan for SQLs with Duration greater than (seconds)

60

Configuration in Seconds for SQLs where Execution plan should be logged

Max. size of Log and Archive Tables (rows)

100000

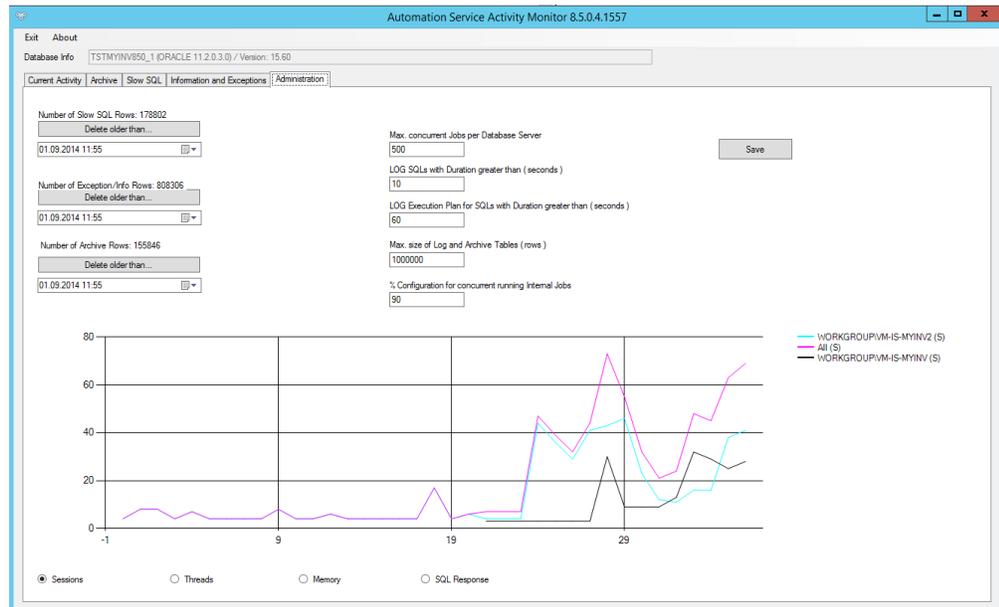
Max Size of Archive Table before system starts to erase records on his own

% Configuration for concurrent running Internal Jobs

0

Number of Concurrent running internal jobs allowed like Calculate Average usage job per Store

To have the Graphic below available the Oracle user for the Master database need to have read access to v\$session View of the SYS User



Additional Configuration options for AutomationService

Inventory -> Maintenance -> Settings -> AUTOMATION

BOOKINGSALESJOBMAXCONCURRENT:

Maximum number of concurrent Booking Sales jobs. Default 10, maximum 50. Increase for processing large volume of sales.

BOOKSALESJOBINTERVAL:

Enter time in minutes, to wait between Booking Sales from Inventory Management jobs (Sales stuck in Buffer) running, when over 5000 records exist. Blank = Default of 5 minutes

AutomationService Instance Configured in AutomationService.exe.config

MaxThreadsForce:

If T, then AS will always tries to execute MaxThreads number of parallel jobs. If F, then AS will never exceed MaxThreads, but will try to calculate what is the best and then to work with that(default and recommended is F)

Installation of Automation Service Activity Monitor.

Extract 150903_ASAMon 8.5.0.53.1560.zip to a temporary folder.

This will build ASAMon.Application and ASAMon.Config folder.

Below ASAMon.Application you have subfolders for 32 and 64 bit Server

Copy the content of the corresponding folder for your OS to the Desination folder (in my case

C:\ASAMon\). Copy the content of ASAMon.Config to the C:\ASAMon\

Open SQL.config and FMLOGIN.ini and configure in the same way like

DBMaintenance Tool

Prerequisites

Make sure Microsoft .NET Framework 4.0 Full is installed in your environment. If Microsoft .NET Framework 4.0 Full is not installed, The Installer will Prompt you that this is missing and offers to install.

The Databases to update need to be at least on Version 8.00 = DB Version 1448 or higher

Determining the version of your Oracle environment

To determine if you are using a 64-bit or 32-bit Oracle environment:

1. Navigate to *Start | All Programs | Oracle | Application Development* and run **SQL Plus**.
2. Open **Task Manager** and click the **Processes** tab.
3. If you are using a 32-bit environment:
 - a. There is a process called **sqlplus.exe *32**.
4. If you are using a 64-bit environment:
 - a. There is a process called **sqlplus.exe**.

Installation steps

To install myinventory Database Maintenance:

1. If you are on a 32-bit Oracle environment:
 - a. Navigate to *Applications | DBMaintenance | DBMaintenance(32-bit)*.
2. If you are on a 64-bit Oracle environment:
 - a. Navigate to *Applications | DBMaintenance | DBMaintenance(64-bit)*
3. Run the setup file.
4. Click **Next**.
5. Select the location to install myinventory Database Maintenance. Oracle recommends installing the utility in the directory *C:\myinventory Database Maintenance (XX-bit)*.
6. If you are using Oracle:
 - a. Select **Oracle** and enter the **SQLNet Connection Name**.
7. If you are using the Microsoft SQL Server:
 - a. Select **SQL** and enter the location of the **Driver File**.
8. Click **Next**.
9. If you want to quick launch myinventory Database Maintenance from the desktop:
 - a. Select **Desktop Icon**.
10. If you want a myinventory Database Maintenance icon on the start menu:
 - a. Select **Start Program Icon**.
11. Click **Next**.
12. Click **Install**.
13. Once the myinventory Database Maintenance completes installing, click **Finish** to exit the setup.

Post installation configuration

Configuring the maximum number of parallel database updates

To configure the maximum number of parallel database updates:

1. Open the myinventory Database Maintenance folder and double-click the **fmlogin.ini** file.
2. Update the following parameter:
[BatchUpdate]
MaxThreads= *Number of threads*

(Oracle recommends a number between 10 and 30 depending on the Hardware Configuration of the Server)

3. Save the changes.

Configuring the server name in fmlogin.ini

To configure the server name in fmlogin.ini:

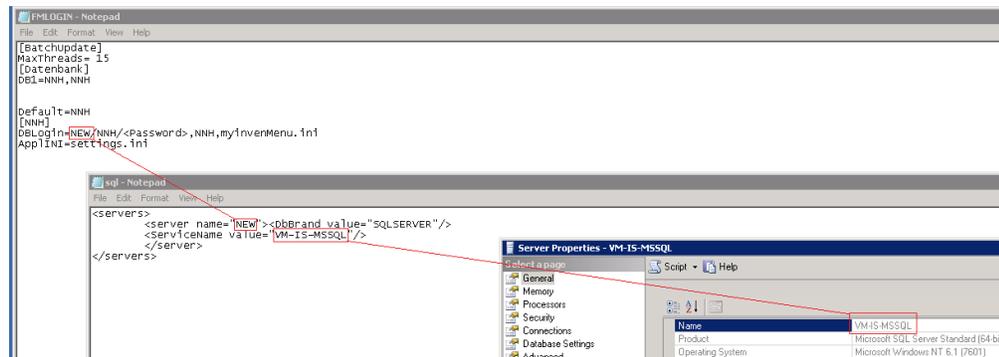
1. Open the myinventory Database Maintenance folder and double-click the **fmlogin.ini** file.
2. Enter the server name at all instances where the DBLogin parameter appears. For example,
[BON]
DBLogin=*server name*/BON/MICROS,BON,myinvenMenu.ini
3. Save the changes.

Configuring the server name in sql.config when using MSSQL

To configure the server name in SQL.CONFIG:

1. Open the myinventory Database Maintenance folder and open the **SQL.CONFIG** file.

```
<servers>  
<server name="< server name used in FMLOGIN.INI"><DbBrand  
value="SQLSERVER"/>  
<ServiceName value="<Name of the MSSQL Server Instance">"/>  
</server>  
</servers>
```



Usage

Updating the database

To update the database:

1. Navigate to *Start | All Programs | myinventory Database Maintenance*.
2. If you want to update a single database:
 - a. Run **Single Database**.
 - b. Enter your credentials and log in to the utility.
 - c. To update the database:
 - i. Click **Database Update**.
 - d. To reorganize the database:
 - i. Click **Reorganization**.
3. If you want to batch update:
 - a. Run **Batch Update**.
 - b. Select the databases.
 - c. If you want to update and reorganize the database:
 - i. Click **Update and Reorganize**.
 - d. If you only want to reorganize the database:
 - i. Click **Reorganize Only**.

Post Upgrade

- 1) Go to command prompt, type `IISRESET` and hit <ENTER>. Wait for this to complete.
- 2) Go to services.msc and start the DGService and delegateSys.myinventoryAutomation2 services.

Your Inventory Management upgrade is now complete! Now is the time to test everything. Load WebClient and myOrganizations and log in, load the AutomationService Console, make sure jobs are running in AutomationService and make sure sales booking is successful. Review logs for any new errors, etc.