# Companion for MS Analysis Server, v4

# **Application Deployment Guide**



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# Prerequisites and Deployment Checklist

#### **Prerequisites**

The following prerequisites are required for the proper operation of the Companion for MS Analysis Server:

- o Microsoft SQL Server 2008 Analysis Services 10.0 OLE DB Provider
- o Microsoft SQL Server 2008 Native Client
- o Microsoft Data Access Components (MDAC) 2.8 SP1

Most likely you will not have to install them since these Microsoft products usually are installed with the SQL Server installation.

### **Deployment Checklist**

#### Database location and size:

Select a centralized SQL Database server that will be used for storing collected data from all services. The database size will vary based on your settings. The software is self trimming, so old data (usually over 90 days) will be trimmed automatically. However please allow up to 1GB for the database.

#### Services Security:

Determine how the installed services will connect to the database server. If you are going to use SQL server authentication you can create the necessary SQL account with the Database Connection Wizard inside the ASDC Manager. If you are going to use windows integrated security, please precreate an AD resource account which will be used by the installed services. If you are installing the software on one server and will be storing the data in a local database, then you can use Network service or LocalSystem. All of the security settings are configurable in the ASDC Manager.

#### Self Updating Configuration:

If you are going to use the Enterprise Deployment scenario, please contact us and decide which IIS server inside your network will be used for deployment.

#### **Firewalls:**

The services run on the SSAS server itself. The clients establish secured communications authenticated by Active Directory on ports 10800 + 1 for each installed Instance. So a server with 10 installed SSAS instances will use ports 10800-10810.

# Analysis Services Data Collection (ASDC) Manager v4

### **Installation Options**

The Companion for MS Analysis Server consists of two applications:

- 1) AS Data Collection Services (ASDC) Manager (back end services)
- 2) Companion for MS Analysis Server (front end client)

AS Data Collection Services (ASDC) Manager is installed on every SSAS server. Once installed it is used to install and configure the AS Data Collection Service. The ASDC Manager supports multiple installed SSAS instances on the same server therefore once service is installed per SSAS Instance.

The Companion for MS Analysis Server is the client application that you can install on the SSAS server as well or on any client machine. You need to install it once per machine and then connect to all of the installed ASDC services.

The applications can be installed in 3 ways.

**1. Standard** - Download the setup **.msi** files from our web site and start the installation manually <a href="http://www.entsoftsol.com/downloads/CompanionForMSAnalysisServer/">http://www.entsoftsol.com/downloads/CompanionForMSAnalysisServer/</a>

Server setup:

AS\_x64ServiceSetup.msi – run on x64 bit servers (AMD64, x64)

AS\_x86ServiceSetup.msi – run on x32/x86 bit servers

Client Setup:

MSASCompanionSetup.msi – run on all Windows OS platforms (servers and workstations)

**2. Recommended** - Start the installation from our Click-Once website <u>http://www.entsoftsol.com/downloads/Setups/CompanionForMSAnalysisServer/</u>

**3.** Enterprise - For large corporate clients that require version control, Enterprise Software Solutions offers a custom built Click-Once deployment package that runs from the corporate IIS servers. Installed services and clients self-update from the internal corporate servers only.

This document provides a walk through using the recommended method. Start by visiting our deployment web site at: <u>http://www.entsoftsol.com/downloads/Setups/CompanionForMSAnalysisServer/</u>



Most likely you will not have to install the prerequisites, however each prerequisite is provide with a hyper link to its download page.

Start with the server installation – the two buttons at the bottom of the list. Depending on your server OS type select x86 or x64 installation. Our services are optimized for best performance and run natively on the OS platform. Install the server component on every SSAS server that you want to work with. Itanium (ia64) platform is also supported. Please contact us for the latest build.

Finally install the client (first button in the list) on every server and/or workstation and connect to the AS Data Collection Services running on each monitored SSAS server.

## Install the Analysis Server Data Collection Services Manager

For the purposes of this walkthrough we will install the x64 server component. Click on the bottom link (Run Companion for MS Analysis Server – x64 Server) and you select Run when prompted.

a) At the Welcome Screen you are informed that it will install the ASDC Manager. Click **Next** 

H AS Data Collection Services Manager	
Companion for MS Analysis Server	Enterprise Software Solutions
The installer will guide you through the steps required to install AS on your computer.	Data Collection Services Manager
WARNING: This computer program is protected by copyright law Unauthorized duplication or distribution of this program, or any por or criminal penalties, and will be prosecuted to the maximum exter	and international treaties. tion of it, may result in severe civil it possible under the law.
Cancel	< Back Next >

**b)** Please choose the folder where you want the AS Data Collection Services Manager to be installed. Once installed in this folder, the installation path will be remembered. If you uninstall the ASDC Manager and reinstall it, it will automatically point to this folder.



c) Next, Next and then Close. The installation of the AS Data Collection Services (ASDC) Manager is complete. The setup automatically starts the ASDC Manager.

### Configuration, security, licensing and auto updates

#### a) Getting Started

When you start the ASDC Manager it will usually take you directly to the Database step or to the Services step. However at any time you can go back to the Getting Started and get a general overview of each step, the current version of the ASDC Manager and the installation path.

AS Data Collection Services Configur Enterprise Software Solutions Companion for AS Data Collection Serv	ation Manager Configuration Manager Version: 4.0.2294.0					
Getting Started						
atabase	The AS Data Collection Services Manager helps you create the storage database. It also installs and configures the AS Data Collection services targeting either single or multiple SSAS instances installed on the current cancer. It helps configure Automatic Unders and Laurehar the click configure and the current cancer.					
🧈 Automatic Updates	<ol> <li>Database - first configure the storage database. All services will use this database connection string to connect and store information.</li> </ol>					
😻 Failover Clustering	2. Automatic Updates - configure the service(s) to auto-update as new versions are available					
Services Credentials	<ol><li>Failover Clustering - if you are running a Failover Cluster let the Manager register the cluster resources</li></ol>					
Licenses	<ol> <li>Services Credentials - select the security context of the service(s). Make sure that the security context account has administrative rights to your SSAS instance.</li> </ol>					
G Services	<ol> <li>Licenses - Issue licenses for the locally installed services. In a cluster environment issue licenses for the current node without baying to failover the Analysis Server resources.</li> </ol>					
ight Client Application	6. Services - This cluster aware node helps you Install, Uninstall, Start and Stop the AS Data Collection Services					
	Manager Version: 4.0.2294.0					
	Running Folder: C:\Program Files\Enterprise Software Solutions\AS Data Collection S					
Results LoadPrerequistes: Installed SSAS instances have been loaded. LoadPrerequistes: finished. +						
Open Log File Olear Copy						
Contact Us	< Prev Next > Ext					

### b) Database

If this is the first time that you are installing the Manager on this SSAS server, you will be welcomed with a screen that explains the initial steps necessary to get you started

AS Data Collection Services Configuration Companion for MS Ana As Data Collection Services Configura	n Manager ysis Server tion Manager version: 4.0.2293.0	×
🖨 Getting Started	Database Settings	
😑 Database	AS Data Collection services can store data into the same database, making it easy to report over multiple SSAS instances. Use the Database Setup Wizard to create the initial database	Database Setup Wizard
PAutomatic Updates	or update the current database to the latest version if necessary.	
🗭 Failover Clustering	Warning	Edit Connection
Services Credentials		
Licenses	It appears that this is the first time you are using the AS Data Collection Services Manager. Get started by using the Database Connection Wizard. Then go through each of the steps in the left navigation menu.	
Section Application	Finally install the client and register your SSAS instance.	Apply
	ОК	
	Results	
	LoadPrerequisites: Trying to connect to the SQL Server LoadPrerequisites: There is no connection string.	▲ _
	Open Log File Clea	r Copy
3 Contact Us	< Prev Next >	Exit

If you have already installed the manager before, the database connection string is remembered and suggested that you use it.

#### **Database Setup Wizard**

The ASDC Manager uses a centralized SQL server database storage for all monitored SSAS instances. This allows you to compare server performance, generate centralized reports, review storage, execution times and more. If this is not the first time you are configuring the ASDC Manager the database connection string will be remembered for you. If this is the first time you will be asked to select the SQL server that you want to be used for the centralized database.

At this point you are asked for the server name and administrative credentials to connect to the server. These credentials will not be saved nor used after the wizard completes. They are used to establish an administrative connection to the SQL server in order to detect an installed database or to create a new one. Fill in the server name and authentication type and click **Test Connection** to confirm connectivity.

abase Configuration Wizar Database Setup Wiza se this wizard to create or upo	d ard date the AS Data Collection servic	es database	384
SQL Server	Select a SQL Server Choose a local or ren provide account that	note instance of a SQL Server and has permissions to connect to that	server.
🌡 Credentials	Connect to SQL Server	-	
Summary	Server Name: Authentication Type:	(local) Windows Authentication	
	Usemame: Password		
		L <u>í</u>	Test Connection
		< Back Next	> Cancel Help

The ASDC Manager checks if the **ASDataCollectionDB** exists on the server. If it does not exist it will ask you to create it.

Database Configuration Wizard	
Database Setup Wiza Use this wizard to create or upd	rd ate the AS Data Collection services database
SQL Server	Create a new database or choose an existing one. Select one of the following options to create a new database or select an existing one to use.
🖯 Database	
🜡 Credentials	Select a task from the following list:
Summary Summary	<ul> <li>Create a new ASDataCollectionDB database</li> <li>Create New Database</li> <li>Use an existing ASDataCollectionDB database</li> <li>Name:</li> <li>Version:</li> </ul>
	< Back Next > Cancel Help

The create process uses SQL statements to create the tables, stored procedures, views and functions, thus allowing you to install the database remotely.

Database Configuration Wizard	And Manager Amount (12) (2001)	×
Database Setup Wizard Use this wizard to create or updat	d e the AS Data Collection services database	
SQL Server	Create a new database or choose an existing one. Select one of the following options to create a new database or select an existing of	one to use.
😸 Database		
Sum Creating	a new ASDataCollectionDB database. Please wait database, tables, views and functions	
	Name:	
	Version:	
	< Back Next > Cancel	Help

If an existing database is found on the SQL Server but it is in version 3.x then it needs to be upgraded to version 4.x. The **ASDC Manager** prompts you regarding this step.



If the database already exits but it is not at version 4, the Manager will give you the option to upgrade it. Please notice that once upgraded the database cannot be reverted back to version 3. Please make a backup of the database before upgrading.



If the database is found and it is in version 4, the **ASDC Manager** gives you the option to use the selected Database.

Database Configuration Wizard	×
Database Setup Wiza Use this wizard to create or upd	rd ate the AS Data Collection services database
📔 SQL Server	Create a new database or choose an existing one. Select one of the following options to create a new database or select an existing one to use.
😑 Database	· · · · · · · · · · · · · · · · · · ·
🜡 Credentials	Select a task from the following list:
Summary	<ul> <li>Create a new ASDataCollectionDB database</li> <li>Create New Database</li> <li>Use an existing ASDataCollectionDB database</li> </ul>
	Name: ASDataCollectionDB
	Version: 4.0.2260.0
	< Back Next > Cancel Help

The initial version of the database has to be in version 4, however it does not have to be the latest version. The database version is controlled by the installed services. They update it to the latest version when they self update. The Client can also update the database if it is allowed to. You do not have to manually upgrade the database.

Click Next

#### Credentials for the installed services to use when connecting to the database

At this screen you are asked for the credentials that are to be used by the installed services connect to the database. If you use **Windows Authentication**, then the service's configured security context will be used to connect to the SQL server: LocalSystem if locally installed database, NetworkService if database is on another server or **DOMAIN\UserAccount** to use a resource account. You can set the service's credentials at the Service's Credentials step. If you use SQL Server Authentication you are asked for a **UserName** and **Password**.

Database Configuration Wizard Database Setup Wizard Use this wizard to create or update	the AS Data Collection services da	atabase
📔 SQL Server 😇 Database	Credentials Specify the credentials of will use to connect to the	an existing account that the AS Data Collection service ASDataCollectionDB database.
🕹 Credentials	Credentials:	
Summary	Authentication Type: Usemame: Password:	SQL Server Authentication  asdc  •••••  Create Login  Test Connection
		< Back Next > Cancel Help

Once you provide the username and password to be used when connecting to the SQL Server click on the Test Connection button to verify the account. If you have provided an invalid account or the account does not exist, you will be prompted.



If you have not created the account already, you can type in a new username and set a password and click Create Login. The created login will be given **dbo** rights to the **ASDataCollectionDB** database only.



Once the security credentials are configured, click **Test Connection**. When ready, click **Next**.



#### Summary

The Summary page gives you the configured database connection string that all of the locally installed services will use. Once you click Finish, the string is preserved in the registry so next time you start the **ASDC Manager** it will be reused. If you are concerned about passwords stored as text, please use Windows Integrated access to the SQL Server database. Click **Finish**.



#### c) Automatic Updates

Click on the automatic updates and you will be presented with the settings that manage how the services auto-update. You can disable the automatic updates by unchecking the check box – Check for Update. You can specify the time of day when you want the services to self update. If your company requires version control and you want to control which versions of the services are updated, then you need to change the Update URL to your internal IIS endpoint where you can deploy the latest updates provided by ESS. All installed services are updated to the same version at the same time. If you want to manually check for an update, click – Check for Update button. If there is a new version, it will show on the right and the button will change to Download and Install. Check the logs in the bottom Results panel.

AS Data Collection Services Configurations Enterprise Software Solutions Companion for AS Data Collection Serv	ation Manager
Getting Started     Getting Started     Database     Automatic Updates     S     Failover Clustering	Automatic Updates      The AS Data Collection Services Configuration Manager can update itself and the locally installed services.     Use our public web site URL for the latest version. For additional control and strict versioning change the     Update URL to point to your internal IIS server and deploy update files as necessary.      Automatic Update Settings      Update URL: http://www.entsoftsol.com/downloads/CompanionForMSAnalysisServer/ASDataCollectionServiceUpdate      @ Check for Update and Automatic Install at 04 am      Save
Services	Check for New Update Availability Check For Update There are no new updates.
	Results         The Loense has been written into a text file.         Check ForUpdate: There are no new updates.         Open Log File         Open Log File
🔗 Contact Us	< Prev Next > Ext

### d) Failover Clustering

If you are installing the Manager in a Windows 2003 or Windows 2008 Failover Clustering Environment, then you will be positioned at the Failover Clustering step where you have to specify the Cluster related settings. For this walkthrough we are not setting up the Manager in a cluster environment. However we recommend that you create a resource AD account to be used by the ASDC Manager and install each service to run in the security context of this account. The ASDC Manager will install the necessary cluster resources and setup proper dependencies. Call us for details.

#### e) Services Credentials

The Services Credentials step allows you to select the security context of the AS Data Collection Service (InstanceName). The selected account will be used on each service that is installed at the Services Step. If you do not want to run all of your installed services in this single security account context, then skip this step, install the services and manually change the security context of each installed service. If using AD integrated authentication to connect to the database server make sure that each security context account for each installed service can access the ASDataCollectionDB database.

If you have only one SSAS server and it is also the SQL database server, then you can choose Local System. The newly installed services will run under the LocalSystem security context. If your database server is on another machine or if you have multiple SSAS servers that you want to monitor and want all of your data to be in a centralized storage, you can also choose NetworkService. Make sure that you give the NetworkService account access to the SQL database.

AS Data Collection Servi	ces Contiguration Manager version: 4.0.2294.0	
Getting Started	Services Credentials	
Database	Specify a built-in account or Windows domain user account to run th	e AS Data Collection Service(s)
루 Automatic Updates	AS Data Collection Service(s) Account	
💞 Failover Clustering	Use built-in account: Local System	
Services Credentials	Use user account:  Account (domain\user):	]
Licenses	Password.	
Services	Apply	
Client Application		
	LoadPrerequistes: Installed SSAS instances have been loaded.	
	LoadPrerequisites: finished.	

On most installations you would normally have a dedicated AD resource account that has administrative access rights to the SSAS instance and **dbo owner** rights to the **ASDataCollectionDB SQL database**. In this case, please provide the **DOMAIN\UserName** and password credentials and click Apply to save the information. The ASDC Manager will test the account to confirm the password, but it will not test the database connectivity. Please make sure that this account has **dbo owner** rights to the database.

AS Data Collection Services Configura	tion Manager			
Enterprise Software Solutions Companion for AS Data Collection Service	MS Analysis Server	version: 4.0.2294.0		
🛱 Getting Started	Services Credentials			
😝 Database	Specify a built-in ac	count or Windows domain	user account to run the A	AS Data Collection Service(s)
루 Automatic Updates	AS Data Collection Service(s) Ac	count		
💖 Failover Clustering	O Use built-in account:	Local System	Ŧ	
Services Credentials	<ul> <li>Use user account: Account (domain\user):</li> </ul>	ENTSOFTSOL/vcaASDC		
Licenses	Password:	•••••		
G Services			Apply	
Gent Application				
	Results			
	LoadPrerequisites: Installed SSAS inst LoadPrerequisites: finished.	tances have been loaded.		
	Open Log File			Clear Copy
Contact Us			< Prev	Next > Ext

### f) Licenses

The ASDC Manager will first take you to the Services step so you can install the services first. Once the services are installed, please click on the Licenses step.

The grid shows all of the installed SSAS instances. You can request, import and export a license for each SSAS instance. If you want to review all licenses (for all registered SSAS instances) check the check box – Show all licenses in the database.

AS Data Collection Serv	rices Configuration Manager	version	: 4.0.2294.0			
🛱 Getting Started	Licenses					
<b>a</b>	Analysis Server Instance	ServerID	OS Serial Number	License Status	Exp Date	Request Lice
🐸 Database	17	1	00392-918-5000002-85633	No License found.		Delete Lice
FAutomatic Updates	17\SQL2012	2	00392-918-5000002-85633	Vo License found.		Import Licer
						Export Lice
💖 Failover Clustering						Refresh Lice
						*
Market Services						Open in Note
Services	Results Service has been started.	_				Open in Note

Click on Request license and for now obtain 60 days license. Alternatively you can purchase per Instance with single user or Per Instance with Unlimited users:

icense Term:		License Type:
🔘 New 1-Y	ear License	Per Server Instance
60-Day	Trial License	🔘 Per Client
icense Inform	ation	
Analysis Se	rver Instance Name: I7	
Client Mach	ine Name: I7	
Requesit	st License On-Line 💿 Write Lice	nse Request to file and email it to: licensing@entsoftsol.com
Contact Inform	Company Name	
First Name:	First	
Last Name:	Name	
Phone:	(888) 804-7089	
Email:	info@entsoftsol.com	
Promo:		

Click on the request button and the license will be automatically acquired and updates in the database.

Request License	×
A new License has	been acquired successfully.
	ОК

Now you can see the service licensed and the actual license content. You can export it and keep it safe. If you did not purchase your license online and have obtained it through email, use the **Import License button** to assign the license to the appropriate service.

AS Data Collection Serv	MS Analysis Serv rices Configuration Manager	/er version	: 4.0.2294.0			
🛱 Getting Started	Licenses					
	Analysis Server Instance	ServerID	OS Serial Number	License Status	Exp Date	Request License
😑 Database	17		00392-918-5000002-85633	🔮 License is valid.	2012-11-12	Delete License
루 Automatic Updates	17\SQL2012	2	00392-918-5000002-85633	No License found.		Import License
💖 Failover Clustering						Export License
Services Credentials						Refresh Licenses
Licenses	Show All Licenses in the	database (not o	nly for this machine)			1
M Services	- <license dc="ent&lt;br" expdate="&lt;br&gt;Domain="><product name="&lt;/td&gt;&lt;td&gt;2012-11-12&lt;br&gt;tsoftsol,DC=&lt;br&gt;MSASCompa&lt;/td&gt;&lt;td&gt;" seats="1" type="Trial"  <br="">local" Source=""&gt; mion" Fingerprint="fl/Mni "Ta"   ump="troppage.org</product></license>	Version="Full" ipYDsY=" />	Ξ			
P Client Application	SCAEC524D68 Fingerprint="fig Misc="f8377fb	C" SN="0039 dZehbpH2m 1da0b67007	17 001D= 1F00B220-00 92-918-5000002-85633 qkpBc0ZXI7u2p1w=" 1adcbacac3826a669ed	0C0-0700-D9E4- )" 540fd38562808a93	da47471978fc	2
	<client <="" name="17&lt;/td&gt;&lt;td&gt;" td="" uuid="1F0&lt;/td&gt;&lt;td&gt;0B220-00C6-0700-D9E4&lt;/td&gt;&lt;td&gt;I-BCAEC524D68C"><td>-</td><td>Open in Notepad</td></client>	-	Open in Notepad			
	<u>SN="00392-91</u>	8-5000002-	85633"			Open Folder
	De sulta					
	IcenseFilePath=[C:\Prog The License has been written	ram Files\Enterp into a text file.	rise Software Solutions\AS Dat	a Collection Services Ma	nager\Licenses\17_17_	License xml]

You need to install the ASDC service per each installed SSAS Instance. Do the same step for any additional installed services.

AS Data Collection Services Configuration	ion Manager	- 1			$\Leftrightarrow$	
Enterprise Software Solutions Companion for N AS Data Collection Service	<b>//S Analysis Serv</b> es Configuration Manager	er version:	4.0.2294.0			
🛱 Getting Started	📑 Licenses					-
📒 Database	Analysis Server Instance	ServerID 1	OS Serial Number 00392-918-5000002-8563	License Status 3 🤡 License is valid.	Exp Date 2012-11-12	Request License Delete License
럊 Automatic Updates	17\SQL2012	2	00392-918-5000002-8563	3 🥑 License is valid.	2012-11-12	Import License
😻 Failover Clustering						Export License Refresh Licenses
Services Credentials						
Licenses	Show All Licenses in the c	latabase (not or	nly for this machine)		*	
ক্সি Services েঞ্জি Client Application	- <license dc="ents&lt;br" expdate="2&lt;br&gt;Domain="><product f19<="" name="N&lt;br&gt;&lt;AnalysisServerInst&lt;br&gt;BCAEC524D680&lt;br&gt;Fingerorint=" td=""><td>012-11-12" oftsol,DC=I ISASCompa ance Name=' C" SN="0039 IZehbpH2m</td><td>Seats="1" Type="Trial" ocal" Source=""&gt; nion" Fingerprint="fl/M 17" UUID="1F00B220+ 2-918-5000002-8563 akoBc0ZXI7u2p1w="</td><td>' Version="Full" nipYDsY=" /&gt; DOC6-0700-D9E4- 3"</td><td>E</td><td></td></product></license>	012-11-12" oftsol,DC=I ISASCompa ance Name=' C" SN="0039 IZehbpH2m	Seats="1" Type="Trial" ocal" Source=""> nion" Fingerprint="fl/M 17" UUID="1F00B220+ 2-918-5000002-8563 akoBc0ZXI7u2p1w="	' Version="Full" nipYDsY=" /> DOC6-0700-D9E4- 3"	E	
	Misc="f8377fb1 <client <br="" name="I7">SN="00392-918</client>	da0b67007 UUID="1F00 3-5000002-1	1adcbacac3826a669ec 08220-00C6-0700-D98 85633"	1540fd38562808a9 E4-BCAEC524D68C"	93da47471978fs +	Open in Notepad Open Folder
	Results License xml] The License has been written in	nto a text file.				•
Contact Us	Open Log File			< Prev	Clear Next >	Copy

#### g) Services

The manager will detect all installed SSAS instances and show them in the grid. You can install the AS Data Collection Service one instance at a time by clicking the Install button in the middle section. Alternatively you can click Install All and install the AS Data Collection Service on all SSAS instances. Use the Start All and Stop All to control all installed services at once. Review the Log file at the bottom if the installation does not go successfully. If you are installing in a failover clustering environment or if you have configured the services account in the Services Credentials step the username and password to be used as security credentials for the services will be used. If you want to change the service account credentials, please use go back to the Failover Clustering or Services so the new settings will be in affect. Alternatively you can use the windows services applet in the control panel. Default installation logon user for the service is Local System. Please make sure that Local System has administrative rights to the SSAS instance.

Click Install All to install AS Data Collection Service (InstanceName) for each detected SSAS Instance.

AS Data Collection Services Configura	tion Manager MS Analysis Server res Configuration Manager version: 4.0.2294.0	
🛱 Getting Started	🚱 AS Data Collection Services	3 <sup>14</sup> 8
😑 Database	Analysis Server Instance         Status         Name         Version         Cluster Resou           17         A         Not Installed         AS Data Collection Service         Image: Collection Service         Image: Collection Service	Install All
루 Automatic Updates	I7\SQL2012 AS Data Collection Service (SQL2012)	Start All
🗭 Failover Clustering		Stop All
Services Credentials		Refresh
Licenses	۰ III ۲	
🚱 Services	Current Selected Service Information	Install
🚱 Client Application	Name: AS Data Collection Service Startup Type:	Uninstall
	Version: Logon User: LocalSystem Folder: C:\Program Files\Enterprise Software Solutions\AS Data Collection Services Manager\Instance.MSSQLSEF	
	Results LoadPrerequisites: Installed SSAS instances have been loaded. LoadPrerequisites: finished.	* *
	Open Log File Clear	Сору
😡 Contact Us	< Prev Next >	Exit

Click Start All to start all installed AS Data Collection Service (InstanceName) services.

Enterprise Software Solutions Companion for AS Data Collection Servi	MS Analysis Serv	er version: 4.0	0.2294.0			
🛱 Getting Started	🚱 AS Data Collection	Services				
	Analysis Server Instance	Status	Name	Version	Cluster Resou	Install All
📒 Database	17	🔶 Running	AS Data Collection Service	4.0.2294.0		Uninstall All
# Automatic Updates	17\SQL2012	🔶 Running	AS Data Collection Service (SQL20	12) 4.0.2294.0		Start All
🗭 Failover Clustering						Stop All
Services Credentials						Refresh
Licenses					۶.	
Services	Current Selected Service In Status: 🔶 Running	formation Stop	Pause Restart			Install
🚱 Client Application	News AS Data Caller	tion Constant	Cinta Tana Ada			Uninstall
	Name: AS Data Collect	tion Service	Startup Type: Auto	Sustem		
	Folder: C:\Program File	es\Enterprise Softw	are Solutions\AS Data Collection Sen	vices Manager\In:	stance.MSSQLSEF	
	Results Service has been started.					
	Open Log File	Installation comple	ted successfully		Clear	Сору
C						

#### h) Client Application

Finally, your services are configured, installed, licensed and ready to use all logging data to a centralized database. Now is time to start the client. You can start it by clicking on the first link which starts the Click-Once deployment. This is the recommended method. No installation necessary and it is self updating when new versions are available. For companies that require version control the link points to an internal IIS server. Alternatively you can use the second link that starts the MSI package. This method requires that when new versions are available, they are installed manually. More details on how to connect and monitor your SSAS instance are in the next section of this document.

AS Data Collection Services Configu	tion Manager
Enterprise Software Solutions Companion for AS Data Collection Serv	MS Analysis Server es Configuration Manager version: 4.0.2294.0
🛱 Getting Started	Glient Application
😑 Database	The Companion for MS Analysis Server client application can be started from our publicly available web site location, your internal web server location or it can be installed from an MSI package. When started from a URL location the client will self update every time we deploy a newer version. For stronger version control,
루 Automatic Updates	change the Update URL to point to your internal web server and deploy new version as necessary.
🗭 Failover Clustering	Run or Install Copmanion for MS Analysis Server Client Application from web site URL
Services Credentials	Install Copmanion for MS Analysis Server Client Application from MSI package
Licenses	
M Services	
S Client Application	
	Results
	CheckForUpdate: There are no new updates. CheckForUpdate: There are no new updates.
	Open Log File Clear Copy
Contact Us	< Prev Next > Exit

# Companion for MS Analysis Server Client, v4

### **Starting or installing the Client**

- The client application can be installed from an **.msi** file. This installation makes the application available to all users that are sharing the machine, however, it will also require that any updates are updated manually.
- The client application can also be started from the ASDC Manager application at the Client Application Stage
- The client can also be started from our or your internal IIS deployment web site: <u>http://www.entsoftsol.com/downloads/Setups/CompanionForMSAnalysisServer/</u>

For the purposes of this walkthrough, we will use the recommended method – starting the client from our deployment web site.

Once you click on the link to start the application it will first determine:

- If it is not installed it will install the latest version
- If it already installed it will check for a new version and prompt you to update it



Since this is first time that we are installing the client, you are promptly with the application installation windows allowing you to verify the publisher and decide if you want to proceed with the installation.

Do you want to install this application?		Ŷ
Name		
Companion for MS Analysis Services		
From (Hover over the string below to see the full domain www.entsoftsol.com	in):	
Publisher:		
Enterprise Software Solutions, LLC		
	Install	Don't Install

Click on the Publisher's link and confirm that the singing certificate is valid and issued to Enterprise Software Solutions, LLC. Do not proceed with the installation if the certificate is not valid or not issued to Enterprise Software Solutions, LLC.

Gene	rai Details Certification Path
	Certificate Information
	<ul> <li>Fhis certificate is intended for the following purpose(s):</li> <li>Ensures software came from software publisher</li> <li>Protects software from alteration after publication</li> <li>2.16.840.1.114413.1.7.23.2</li> </ul>
-	* Refer to the certification authority's statement for details.  Issued to: Enterprise Software Solutions, LLC
	Issued by: Go Daddy Secure Certification Authority
	Valid from 8/ 30/ 2012 to 10/ 11/ 2015
	Install Certificate Issuer Statement
Lear	

The client installs and automatically starts.

(0%) Insta	alling Companion for MS Analysis Services 😂 💷 💷	x
Installir This duri	ing Companion for MS Analysis Services is may take several minutes. You can use your computer to do other tasks ring the installation.	
	Name: Companion for MS Analysis Services	
	From: www.entsoftsol.com	
	Downloading: 282 KB of 45.9 MB	
		incel

# **Registering a server**

Once you see the client running, right click at the root node and select Add Analysis Server



Type in the name of your SSAS server instance and click Connect

Analysis Server:	17	-	×
SQL Storage:		*	43
SQL Credentials:	Automatically Received from the Service	•	

The client automatically connects to the installed **AS Data Collection Service** and registers the instance with the client.

😚 Companion for MS Analysis Services - [17 (Analysis Server 10.50.2500.0 - ENTSOFTSOL\ivan)]		
Eile Action View Eavorites Window Help		_ & ×
Dened Panels: -		Enterprise Software Solutions
Remote Desktop	🧃 17 (Analysis Server 10.50.2500.0 - ENTSOFTS	GOL\ivan) 🌟 🗋 🤡 🗙
If (Analysis Server 10.50.2500.0 - ENTSOFTSOL (ivan)	Analysis Server Connection State	e: 📀 Open Check
	Refresh AS Data Collection Service State:	Running Stop Restart
🗄 🥰 Cube Processing		
🕀 🛄 Metadata	AS Data Collection Service Status	:: Vorking
Analysis Server		• • • • • • • • • • • • • • • • • • •
M2M Optimizer	Analysis Server Properties Analysis Server msmdsrv.ini	Settings / Data Collection Service Settings
Cache Warmer	Cancel Changer Save and Pertart	
🕀 🇾 Databases (LastSchemaUpdate)(LastProcessec	Callel changes Save and Restart	
A Locks and Transactions	A Show All Categories General Performance	e Monitor Trace Monitor DB Growth Event Log Cache Warmer
MDX Studio		
Opened Sessions	General	
🕀 🕀 Time Travel	Minimum Database Version Required	4.0.0,0
Traces	Allowed Users Monitor Enabled	Off ·
4 Quick Pad	Allowed Users	Date Course (Incoll) Table Colden ACD-to Collection DD Table and
Physical Server     Physical Server	SQL Connection String	Data Source=(local);Initial Catalog=ASDataCollectionDB;Integrated
	Analysis Server Instance Name	
	Depending Custom Freeze Made Freeze 1	10801
Memory	Classics Teterus [feillissessed]	
🗄 💽 Network	CDU Threehold [miniseconds]	10000
Event Logs	CPU Inreshold [percent]	80
Server Health	CDU Sample Interval [accords]	
Mage PhysicalDisk -> Avg. Disk sec/Read	Number of CPU Samples	10
PhysicalDisk -> Avg. Disk sec/Write	Request Timeout Interval [seconds]	60
PhysicalDisk -> Disk Bytes/sec	Minimum Session Duration [seconds]	1
PhysicalDisk -> Disk Transfers/sec     Network Interface -> Output Queue Length	Log Schema Changes	0n
Network Interface -> Bytes Total/sec	Log Science enanges	
Network Interface -> Packets/sec		
MSAS -> Threads		
MSAS -> Processing -		
- Q, ↔ ↔ X		
	·	

If you have not obtained a license in the ASDC Manager, you will be prompted to either provide a license or obtain one over the internet (60 days full trial or purchase a license).

This completes the initial installation. Next, install the **ASDC Manager** on other SSAS servers and the client on other workstations and servers. Monitor and work with all of your SSAS instances from a centralized application.

# **Contact Information**

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# About Enterprise Software Solutions, LLC

Enterprise Software Solutions has developed an innovative set of products to help you persistently monitor and proactively manage your IT software resources, allowing you to gain better control of database performance, data delivery and communications flow. Enterprise Software Solutions specializes in the Microsoft SQL Server Stack – SQL, SSAS and Reporting Services. The company's initial product Companion for MS SQL Server debuted over 7 years ago and was the first product to provide details of the inner workings of the MS SQL server. ESS invented the Deadlock monitor, Time Travel and Forensics Analyzer. Followed by the Companion for MS Analysis Server, ESS once again was the innovator of the Resource Governor and Cache Warmer.

Due to our vast experience in data design, systems engineering and IT management, we understand the significant constraints and obstacles many companies face with information management. We place that understanding at the center of every product and service we offer, from database management and business intelligence tools to custom solutions and consulting.