

ReportPlus

Server 5.2 Installation Guide

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ReportPlus[™] Server 5.2 – Installation Guide 1.4

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ReportPlus Server Installation Guide

Introduction Installation Steps Installing ReportPlus Server for Embedding Salesforce Installation Notes

Introduction

In this information you will find information about how to install ReportPlus Server. The term *ReportPlus Server* refers to two different applications: the **Dashboards Web Repository** and the **ReportPlus Dashboard Viewer.**

Dashboards Web Repository

The repository is an application that allows you to store and administrate dashboards and folders. It has a web interface we can use to create, edit or delete folders and dashboards, and also to manage repository permissions configuration. The repository server can be integrated with your existing User/Group management infrastructure and let you configure the repository permissions based on them. The following is a screenshot of our demo environment's Dashboards Web Repository Interface:



ReportPlus Dashboard Viewer

The ReportPlus Dashboard Viewer is a web application used to render a specific dashboard, which can be stored in the repository, server local files or SharePoint list. Technically speaking, it is an ASP.NET application with a jQuery widget, the main component required to render a dashboard.

The jQuery widget can be configured to communicate with the ReportPlus Web backend server. The purpose of this server is to process the dashboards, connect to their data sources, retrieve data and send it to the front end after all required data transformations. The jQuery widget control is very light as all data processing is done on the server side.

Requirements

To install ReportPlus Server, you need the following software already installed:

- A Windows Server with 4 GB or more of memory
- Active Directory
- .NET Framework 4.6
- IIS 7
- .NET Framework 4 registered in IIS
- Windows Authentication enabled in IIS

Note: If using SSO Authentication when embedding ReportPlus, the ReportPlus embed web application needs to be installed as a separate IIS Application with anonymous access enabled.

Active Directory

Active Directory domain needs to include all servers required for ReportPlus Server.

.NET Framework 4.6 .NET Framework for Windows Server can be downloaded from the <u>Microsoft's Download Center</u>.

IIS 7.0+

Internet Information Server (IIS) 7.0 and later versions can be downloaded from <u>Microsoft's Download</u> Center.

.NET Framework 4 registered in IIS For instructions on how to register .NET Framework, visit the <u>Microsoft MSDN Library</u>.

Windows Authentication enabled in IIS

For instructions on how to configure Windows Authentication in IIS, visit the Microsoft Library Base.

Key Considerations

- The server(s) in which ReportPlus Server is ultimately installed <u>must</u> be part of the Active Directory domain. If the database server is in a different computer, that computer also needs to be part <u>of the same</u> Active Directory domain.
- If you are running an <u>SQL Server Express</u> version, ReportPlus Server may throw exceptions. If SQL Server is not installed yet, avoid installing Express versions.
- The ReportPlus Server installer must be executed in the <u>same server</u> where the Internet Information Server (IIS) is installed.

- The user executing the installation <u>must</u> have Administrator permissions over both IIS and the SQL Server to be used.
- The Web App will be configured using port 9021 by default.

Installation Steps

1. Run the ReportPlus Server installer and click Next.

📸 Infragistics ReportPlus Server 5.2	- 🗆 X
	Report Plus
It is strongly recommended that you exit all Windows programs befor	re running this setup program.
Click Cancel to quit the setup program, then close any programs you Click Next to continue the installation.	u have running.
WARNING: This program is protected by copyright law and international treaties	
Unauthorized reproduction or distribution of this program, or any port civil and criminal penalties, and will be prosecuted to the maximum e	tion of it, may result in severe extent possible under law.
C	Next > Cancel

2. Accept the license agreement and select Express.

闄 Infragistics ReportPI	us Server 5.2	_		×
Choose Setup Type Choose the setup type t	hat best suits your needs	Rej	port P	lus
Express	Installs the product with default configuratio users.	n. Recommer	nded for m	ost
Advanced	Allows users to choose custom configuratio will be installed. Recommended for advance	n and where t ed users.	he produc	t
	< <u>B</u> ack	<u>N</u> ext >	Cano	el

3. Set up the SQL Server connection.

You need to enter the server's full name and then choose the Authentication details.

Note: If you have more than one instance running, make sure you choose the correct one.

🙀 Infragistics Repo	rtPlus Server 5.2		_		×
Databases conn Input your Microsof	ection details t SQL Server connection details.		Rep	oort P l	lus
Please choose a va	alid SQL Server\Instance:				
Server name:	(local)	\sim	Test Conr	nection	
SQL Server Authen	itication details:				
 Trusted (Win Specify User 	dows Authentication) name and Password (SQL Authentication)				
Please choose a U	ser with database creation privileges:				
User name:					
Password:					
	< <u>B</u> ack	N	ext >	Canc	el

Option A. Using Windows Authentication.

Option B. Using SQL Authentication.

If you want to use this type of authentication, remember that it must be enabled in the Server Properties of the SQL Server.

🛃 Infragistics Repo	rtPlus Server 5.2		—		\times
Databases conr Input your Microsof	ection details t SQL Server connection details.		Rep	ort Pl	us
Please choose a va	alid SQL Server\Instance:				
Server name:	(local)	~	Test Conn	ection	
SQL Server Auther	tication details:				
◯ Trusted (Win	dows Authentication) name and Password (SQL Authentic	ation)			
Please choose a U	ser with database creation privilege	s:			
User name:	mlus				
Password:	•••••				
	<	Back N	ext >	Cance	el

4. Configure the ASP.NET Application Pool

By default ReportPlus Server will use Network Services as the identity for the ASP.NET application pool. If you want to install the ReportPlus SQL Server database on an external machine, you will need to configure a custom Windows Active Directory account to be the identity of ReportPlus Server's application pool. The user must have the necessary administration permissions on the web server where ReportPlus is being installed and the remote SQL Server.

😸 Infragistics Repo	ortPlus Server 5.2	_		×
AppPool config Set application poor	uration ol configuration.	😽 Re	port P	lus
Please specify Pro Built-in acco Custom acco	cess Model Identity for AppPool: unt (Network Service) ount			
Please set Custom	account credentials:			
User name:				
Password:				
	< <u>B</u> ack	<u>N</u> ext >	Cano	cel

5. Continue the installation and at the end **launch the ReportPlus Diagnostics page**.



The ReportPlus Diagnostics page needs to run scripts, so you must have scripting enabled in your web browser. The Diagnostics page address is: <u>http://localhost:9021/diagnostics.html</u>.

6. Configure Map widgets.

ReportPlus Web relies on Bing Map for its map widgets. You will need to modify the following section of the web.config file (C:\inetpub\wwwroot\RPlusServer) with your own Bing Map Key to see maps.

```
<geolocation geolocationBingKey = " " />
```

For instructions on how to get a Bing Maps Key, visit the Microsoft MSDN Library.

7. Verify the installation through the Diagnostics page. After a successful installation, you will see the following Diagnostics page result:

	agnostics	
Current User Identity Service	Todd Snyder (S-1-5-21-1220945662-1336601894-1417001333-10770)	0
Encryption/Decryption Service	'TO ENCRYPT' -> 'UId1LMFnSdPEBDxnKtM/tA==' -> 'TO ENCRYPT'	0
R+ Repository Root accesible	'', 5 subfolders, 0 dashboards, Folder, Active, Created On: 12/8/2016 7:54:32 PM +00:00	0
R+ Repository Folder accesible	'Samples', 0 subfolders, 10 dashboards, Folder, Active, Created On: 12/8/2016 7:54:32 PM +00:00	0
R+ Repository Dashboard accesible	No Dashboards	0
Current Web User	INFRAGISTICS\TSnyder	0
Current Principal	INFRAGISTICS\TSnyder	0
Domain(s)	infragistics.local	0

8. Install the missing .dll files.

After first installing ReportPlus Web, you will encounter the following error message when trying to access one of your dashboards:

Error	×
Not authorized.	
	CLOSE

The problem is related to two DLL files: *Microsoft.SharePoint.Client* and *Microsoft.SharePoint.Client.Runtime*.

To resolve:

- i. Go to C:\Program Files (x86)\Infragistics\ReportPlus Server 5.0\Console.
- ii. Copy **both** *Microsoft*.*SharePoint*.*Client* and *Microsoft*.*SharePoint*.*Client*.*Runtime*.
- iii. Go to C:\inetpub\wwwroot\RPlusServer\bin.
- iv. Paste the .dll files.

Once done, refresh ReportPlus Web and access your dashboards again.

9. Access the Repository.

Go to <u>http://localhost:9021</u> to access the Dashboards Web Repository as shown below.

Report Plus					webvieweruser 🛛 🖤
Home				土 Upload Dashbo	oard 🔒 Permissions 🔊 History
Add New Folder	Samples				
💰 Report Plus					
Home > S	amples			د Uploa	id Dashboard 🔒 Permissions 💮 Hi:
Add New Folder					
Explore 2015 NBA 3 December 3, 2015	salary	Explore Summer Olympic December 3, 2015	Financial Metrics December 3, 2015	Gogle Analytics Example December 3, 2015	And A Constant STATUS, Consta
HR December 3, 2015	A constraint of the second sec	Sales December 3. 2015	SaleSorce Zurija	Social Media Sentiment December 3, 2015	

6		Explore 20	15 NBA Salary Data	🛢 Datasources - C	* •	∧ NBA TEAMS ×
HIGHEST PAID PLAYE		% BREAKDOWN		NBA SALARY CAP		⊽ Contains
Player	Chris Paul	Chris Paul 📃 Blake C	Sriffin DeAndre Jordan JJJ. Redick Jamal Crawford		•	сні
Salary	\$20.07M		3.02N 2.57N Others			CLE
				¢62 07N		GSW
			21.000 24.010	101.0.0.4		HOU
						IND
TOP SALARIES		TOP CONTRACTS		TEAM SALARY		LAC
Chris Paul	20.07M	Blake Griffin	78.10M		•	LAL
Blake Griffin	17.67M	Chris Paul	64.41M			MIA
DeAndre Jordan	1.44M	J.J. Redick	20.60M			NOP
J.J. Redick	6.58M	Spencer Hawes	16.63M	⊅80.90 ₩		NYK
Jamal Crawford	5.45M	DeAndre Jordan	11.44M			окс
Spencer Hawes	5.31M	Jamal Crawford	6.95M			POR
Matt Barnes		Matt Barnes	3.40M	AVG. PLAYER SALARY		SAC
Austin Rivers		Austin Rivers	2.44171			
Jordan Farmar	1.45M	C.J. WIICOX	2.27W			
Hedo Turkogiu	0 5M 10M 15M 20M 25M 30M 35M Player Salary	Jorgan Parmar	0 20M 40M 60M 80M 100M 120M 140M Total Contract Value	\$4.26M		

10. If necessary, access Error logs.

Go to the *C*:*inetpub**wwwroot**RPlusServer* directory and access the **DashboardServer** file. In this file you can find log error information. When having issues, our Engineers can help you review the logs.

📕 I 💽 👪 🖛 I	RPlusServer		_ D X
File Home Share View			~ ()
🛞 🐵 🔻 ↑ 퉬 « Local Disk (C:) 🕨 ine	etpub ▶ www.root ▶ RPlusServer	✓ 🖒 Search RPlusSe	rver 🔎
🔶 Favorites	Name	Date modified	Туре
E Desktop	퉬 App_Data	9/3/2015 12:45 PM	File folder
🐌 Downloads	퉬 bin	9/3/2015 12:45 PM	File folder
🕮 Recent places	퉬 css	9/3/2015 12:45 PM	File folder
	퉬 Files	9/3/2015 12:45 PM	File folder
🌉 This PC	鷆 js	9/3/2015 12:45 PM	File folder
📔 Desktop	鷆 Views	9/3/2015 12:45 PM	File folder
Documents	DashboardServer	9/3/2015 12:54 PM	Text Document
🚺 Downloads	Diagnostics	8/26/2015 3:21 AM	HTML File
🚺 Music	🗳 favicon	8/26/2015 3:21 AM	lcon
📔 Pictures	Global.asax	8/26/2015 3:21 AM	ASAX File
📔 Videos	packages.config	8/26/2015 3:21 AM	CONFIG File
🃥 Local Disk (C:)	web.config	9/3/2015 12:46 PM	CONFIG File
🖆 DVD Drive (D:) IR3_SSS_X64FREV_EN-US	ſ		
🗣 Network			
12 items	٢	III	

Installing ReportPlus Server for Embedding

If you are interested in embedding ReportPlus into your web application, you will need to make sure the application is properly configured for embedding.

- For internal applications that use Windows Authentication, no additional steps are required.
- For **public-facing** or **extranet-style** applications that do not use Windows Authentication, you will be required to install the ReportPlus Embedding website. This site is configured to allow anonymous access and will require the use of a Single Sign-On token generated using the security key provided by ReportPlus.

😸 Infragistics ReportPlus Server 5.2	– 🗆 X
Custom Setup Select the way you want features to be installed.	Report Plus
Complete	
Feature Description This creates a website set up to run anonymously to be used for e This feature will remain uninstalled. This feature requires 0KB on your hard drive.	mbedding. This is a separ
< <u>B</u> ack	Next > Cancel

For more information on embedding and using Single Sign-On, please review the <u>ReportPlus Embedded</u> - <u>Web SDK Guide</u>.

Salesforce Installation Notes

When setting up ReportPlus Server to work with the Salesforce data provider, ReportPlus must be authenticated to access data on Salesforce.

The following **data provider mapping** needs to be added to the **Web.config** inside the *<dataproviders>* section:

<dataProvider providerId="SalesForce">

<providerProperties>

<property name="ConsumerKey" value="to be completed..." />

<property name="SecretKey" value="to be completed..." />

<property name="CallbackUrl" value="to be completed..." />

</providerProperties>

</dataProvider>

Values to be completed should be set based on your salesforce account.

To successfully complete the authentication flow (required for applications hosted in secure servers), **the Callback URL must be registered on your Salesforce account**. For further information regarding the Web server authentication flow see <u>Understanding the Web Server OAuth Authentication Flow</u>.

Appendices

Appendix 1: Known Issues Appendix 2: Document Changelog

Appendix 1: Known Issues

Updating ReportPlus Server

Elevated Permissions required

On some machines running the installer to update the build might fail due to restrictions on the elevated permission granted to the installer. A possible workaround for this issue can be launching the installer form a command line prompt started as *Administrator*.

Web.config backup

Running the product installer to update the server sometimes will override the Web.config file. As a recommendation, you should backup the Web.config file before running the installer and restore it if it was overridden.

Lost ISS Bindings

Running the installer to update the server will wipe out any bindings in IIS. After running the installer, you should re-add all bindings in IIS

Uninstalling ReportPlus Server

Confirmation Message

When uninstalling ReportPlus Server, you will see a message saying the installation has been completed. Disregard the message; your application will be uninstalled correctly.

Uninstall Hangs

The Uninstaller will become unresponsive when the process is about to finish. You will see the following error:

閿	Infragistics ReportPlus Server 5.0				
Removing Infragistics Report Plus Server 5.0					
*	Infragistics.ReportPlus.Server.Console				
	Infragistics.ReportPlus.Server.Console has stopped working				
	Check online for a solution and close the program				
	 Close the program 				
♥ View problem details					
	Cancel				

Click "Close the program". The uninstaller will then finish running.

Databases not removed after uninstall

Databases are not removed after ReportPlus Server is uninstalled even if "Remove Databases" is selected.

Appendix 2: Document Changelog

Version	Chapter	Section	Description
1.4	Introduction	Introductory information	ReportPlus Web term was deprecated. Updating terms
	Requirements	Installing ReportPlus Server for Embedding	Added new section.
1.3	Requirements	Salesforce Installation Notes	Added Salesforce Installation notes
1.2	Introduction	Requirements	Active Directory requirement added
	Appendices	Known Issues	Section updated with current information
1.1	Introduction	Requirements	Requirements updated for 5.0 Beta Version
		Installation Steps	
	Appendices	Known Issues	
1.0	All chapters	All sections	Document creation.