RIPPLESTONE INSTALLATION GUIDE



Contents

System Requirements	2
Minimum Hardware Requirements	2
Software Requirements	2
Other Requirements	2
Overview of Installation	2
Configuration of IIS and installing .NET Framework 4.5.1 (Using the Microsoft Web Platform Installer)	3
Installing the SAP Crystal Reports Runtime Engine	7
Install Ripplestone	9
Create the Ripplestone Website Folder	9
Steps within IIS	10
Run Install Script	13
Testing the install of Ripplestone	14
Running Reports that use Oracle	16
Troubleshooting	17



System Requirements

Ripplestone runs on the Microsoft platform using IIS and the .NET Framework version 4.5.1. The following are the required hardware and software.

Minimum Hardware Requirements

- Windows Server 2012 R2, Windows Server 2012, Windows Server 2008 R2 SP1, Windows Server 2008 SP2, Windows 8, Windows 7, Windows Vista
- Either 64 bit or 32 bit
- IIS needs to be installed and activated. IIS also needs to be installed before the .NET Framework or the .NET Framework will need to be re-registered with IIS.
- 4 GB of RAM
- .NET Framework version 4.5.1 or later
- 2.0 GHz Processor
- 250 MB of hard drive space

Software Requirements

- IIS needs to be installed and activated (Note: this is NOT the default setting for most versions of Windows)
- .NET Framework version 4.5.1 or later

Other Requirements

• You must have Administrator privileges to correctly install Ripplestone

Overview of Installation

There are many steps in the installation of Ripplestone. The list below summarizes the steps that will take place during the installation.

- Configure IIS to the recommended setting (using the Microsoft Web Platform Installer)
- Install .NET Framework 4.5.1 (using the Microsoft Web Platform Installer)
- Install the Crystal Reports Runtime Engine (version 13)
- Install the Ripplestone website
 - Create a folder at C:\Sites\Ripplestone
 - Copy web site files to the folder (C:\Sites\Ripplestone)
 - Create a Virtual Directory under the default web site in IIS called Ripplestone
 - Run Install Script to complete the install



Configuration of IIS and installing .NET Framework 4.5.1 (Using the Microsoft Web Platform Installer)

Using the Microsoft Web Platform Installer makes the installation of .NET and the configuration of IIS easier.

Below is the home page for the Web Platform Installer.

Microsoft Web Platform Installer 5.0

The Microsoft Web Platform Installer (Web PI) is a free tool that makes getting the latest components of the Microsoft Web Platform, including Internet Information Services (IIS), SQL Server Express, .NET Framework and Visual Web Developer easy. The Web PI also makes it easy to install and run the most popular free web applications for blogging, content management and more with the built-in Windows Web Application Gallery.



Why you'll love it.



It's Free The Web PI is a free download with no strings attached. We don't know about you, but we definitely like free.



It's Smart

Installing Web Apps or updating the Microsoft Web Platform, Web PI's improved validation support ensures everything just works.

It's Cultural

Available in 14 different languages. Choose your language and if a component is available in that language, Web PI will ensure you get it.







Whether you're updating or installing components, Web PI always includes the latest version of the Microsoft Web



It's App-tastic

Platform.

It's Tiny

Weighing in at under 2

fastest way to get the

Microsoft Web Platform.

It's Up-To-Date

megabytes, the Web PI is the

components that make up the

Popular, free and ready to install Web Apps including Umbraco, WordPress, Acquia Drupal, SugarCRM, and more! By downloading and using the Web Platform Installer (WebPI), you agree to the license terms and privacy statement for WebPI. This installer will contact Microsoft over the Internet to retrieve product information. WebPI uses the Microsoft Customer Experience Improvement Program (CEIP), which is turned on by default, see privacy statement for more information. Some of the Microsoft software obtained through WebPI may use CEIP. To view which software uses CEIP, see here."

Free Download

View System Requirements and File Details





After the Web Platform Installer is installed and running go to the Products on the top menu and the look for IIS Recommended Configuration under the Server section and Microsoft .NET Framework 4.5.1 under the Frameworks section. Install both of these by clicking the Add button for each one and then the Install button at the bottom.

• Web Platform Installer 5.0				
Spotlight <u>Produ</u>	cts Ap	plications		Q
		Name	Released	Install 🔺
All Server	<u></u>	Application Initialization 1.0	4/5/2012	Add
 Frameworks Database 		Advanced Logging	10/8/2009	Add
Tools	<u></u>	External Cache 1.0	3/17/2009	Add
Windows Azure	Q	Dynamic IP Restrictions 1.0	3/30/2012	Add
	Q	IIS Manager for Remote Administration v1.2	11/25/2013	Add
	P	Search Engine Optimization Toolkit	1/28/2010	Add
	Q .	URL Rewrite 2.0	6/30/2010	Add
	- 1	IIS Recommended Configuration	11/9/2010	Installed
		Windows Azure Pack: Service Bus 1.1	10/18/2013	Add
		Windows Azure Pack: Security Update for Service Bus 1.1 (KB2972621)	7/14/2014	Add
	<u> </u>	Workflow Manager CU2 to get to 1.0 Refresh	1/30/2014	Add
	P.N.			•••
0 Items to be installed		Options	Install	Exit



• Web Platform Installer 5.0					×
Spotlight <u>Produ</u>	cts Ap	plications			Q
		Name	Released	Install	•
All Server	N	Node.js extensions for IIS 7.x	9/22/2011	Add]
 Frameworks Database 		Microsoft Azure SDK for Python 2.7	3/19/2015	Add]
Tools		Microsoft Azure SDK for Python 3.4	3/19/2015	Add]
Windows Azure	N	Microsoft .NET Framework 4	4/12/2010	Installed	
	N	Microsoft .NET Framework 4.5	10/9/2012	Installed	
	N	Microsoft .NET Framework 4.5.1	10/17/2013	Installed	
	N	Microsoft .NET Framework 4.5.2	5/6/2014	Installed	
	N	.NET Framework 3.5 SP 1	11/18/2008	Installed	
		Windows Identity Foundation	2/16/2012	Add]
	N KET	ASP.NET MVC 4 with Language Packs (August 2012)	8/15/2012	Add]
	NET	ASP.NET MVC 3 (Visual Studio 2010)	4/11/2011	Add	
	1 2145			•••	ب ا
0 Items to be installed		Options	Install	Exit	



Check to make sure that the ASP.NET v.4.0.30319 is set to Allowed.

From the IIS home page click on ISAPI and CGI Restrictions and check the list to make sure that ASP.NET v4 is allowed





Use this feature to specify the ISAPI and CGI extensions that can run on the Web server.

Group by: No Grouping -		
Description	Restriction 🔺	Path
ASP.NET v2.0.50727	Allowed	C:\Windows\Microsoft.NET\Framework\v2.0.50727\aspnet_isapi.c
ASP.NET v 1. 1. 4322	Allowed	C:\Windows\Microsoft.NET\Framework\v1.1.4322\aspnet_isapi.dll
ASP.NET v4.0.30319	Allowed	C:\Windows\Microsoft.NET\Framework\v4.0.30319\aspnet_isapi.c
ASP.NET v4.0.30319	Allowed	C:\Windows\Microsoft.NET\Framework64\v4.0.30319\aspnet_isap



Installing the SAP Crystal Reports Runtime Engine

The SAP Crystal Reports Runtime is the engine that allows the Crystal Reports that are published to Ripplestone to run.

To install the Runtime Engine, find the file "CRRuntime_32bit_13_0_18.msi" and double click to start the install.

🔀 SAP Crystal Reports runtin	ne engine for .NET Framework 4 (32-bit) Setup 🛛 📕 🖪	×
	Welcome to the SAP Crystal Reports runtime engine for .NET Framework 4 (32-bit) Installation Wizard It is strongly recommended that you exit all Windows programs before running this Setup Program. Click Cancel to quit Setup and close any programs you have running. Click Next to continue with the Setup program . WARNING: This program is protected by copyright law and international treaties. Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.	
	< Back Next > Cancel	
F SAP Crystal Reports runtin	ne engine for .NET Framework 4 (32-bit) Setup	<
SAP® BUSI IMPORTANT-READ CAREFUI SAP BUSINESSOBJECTS FOR THIS AGREEMENT, WHICH M PRINTED MATERIALS AND O BEFORE CONTINUING WITH T ACKNOWLEDGE AND ACCE LICENSE AGREEMENT THAT	NESSOBJECTS™ LICENSE AGREEMENT LLY: THIS IS A LEGAL AGREEMENT BETWEEN YOU AND THE SAP BUSINESSOBJECTS SOFTWARE ACCOMPANYING AY INCLUDE COMPUTER SOFTWARE, ASSOCIATED MEDIA, NLINE OR ELECTRONIC DOCUMENTATION ("SOFTWARE"). HE INSTALLATION OF THE SOFTWARE, YOU MUST READ, PT THE TERMS AND CONDITIONS OF THE SOFTWARE FOLLOWS ("AGREEMENT"). IF YOU DO NOT ACCEPT THE	

 GRANT OF LICENSE. SAP BusinessObjects grants you a nonexclusive and limited license to use the Software products and functionalities for which you have paid the applicable fees solely for your internal business purposes and in accordance with the terms and conditions of this Agreement. The Software is licensed, not sold, to you. If you acquired this product as a special offer or as a promotional license included with another SAP BusinessObjects product, additional restrictions apply as

DAYS OF PURCHASE, THE SOFTWARE TO THE PLACE YOU OBTAINED IT FOR A FULL

 I accept the License Agreeme I do not accept the License Agreeme 	nt greement		
	< Back	Next >	Cancel

REFUND.



🕞 SAP Crystal Reports runtime engine for	NET Framework 4 (32-bit) Setup	
Start Installation		
Are you ready to have the SAP Crystal Dr	aparta ruptima apoina for NET	
Framework 4 (32-bit) Installation Wizard b	begin the install?	
Press the Next button to begin the installa	ation or the Back button to review the	
license agreement.		
	< Back Next > Ca	ancel
😽 SAP Crystal Reports runtime engine for	NET Framework 4 (32-bit) Setup	- 🗆 🗵
SAP	CRYSTAL REPO	RTS
VENG	NON FOR VISUAL STUDIO	2010
	_	
www.sap.com/sapbusinessobjects	S	AP
Copying new files		
File: ATL80.dll, Directory: , Size: 97280		
Time remaining: 37 seconds		
	Ca	ancel

Note - If you get a message like:

"Please wait while the installer finishes determining your space requirements"

Cancel the install and use the following from the Run dialog box

Msiexec /package <path>CRRuntime_32bit_13_0_13.msi /qr (where <path> is the location of the CRRuntime file)



Install Ripplestone

After downloading the website files you might need to unblock the downloaded file. Right click any of the downloaded files and select Properties. From the Properties dialog box click the Unblock button if it is displayed and then click the OK button.

Ripplestone	_3.3.2.2_Website_Files.zip Properties
General Secu	irity Details Previous Versions
12	Ripplestone_3.3.2.2_Website_Files.zip
Type of file:	ZIP File (.zip)
Opens with:	Tz 7-Zip File Manager Change
Location:	C:\Users\Jeff\Desktop
Size:	20.0 MB (21,049,711 bytes)
Size on disk:	20.0 MB (21,053,440 bytes)
Created:	Today, October 16, 2012, 57 minutes ago
Modified:	Today, October 16, 2012, 57 minutes and
Accessed:	Today, October 16, 2012, 5 Unblock
Attributes:	Read-only Hidden
Security:	This file came from another computer and might be blocked to help protect this computer.
	OK Cancel Apply

Create the Ripplestone Website Folder

- Create a new folder at C:\Sites\Ripplestone (you can also create the folder on another drive)
- Unzip website files to C:\Sites\Ripplestone



Steps within IIS

Create a new Application Pool for Ripplestone





Open the Advanced Settings for the Application Pool

Make sure that the Identity is running under Network Service and that the Idle Time-out is set to 60 minutes

NOTE FOR 64-BIT PC'S AND SERVERS

Change the Enable 32-Bit Applications to True.

	Advance	ed Settings ?	×
	(Ganaral)		•
1	NET Framework Version	¥4.0	
	Enable 32-Bit Applications	True	
	Managed Pineline Mode	Integrated	
	Name	Rinnlestone	
	Queue Length	1000	
	Start Automatically	True	
	Start Mode	OpDemand	
		OnDemand	- 11
-	Limit (1/1000 of %)	0	
	Limit (1/1000 01 /s)	0 No Action	
	Limit Action	s	
	Des sesses Affinite Enclosed	5 Feler	
	Processor Affinity Enabled	raise	- 1
	Processor Affinity Mask	4294907295	_
	Processor Affinity Mask (64-bit c	4294907295	_
4	Process Model		
	Generate Process Model Event L	Natural Cardina	_
	Identity	NetworkService	_
	Idle Time-out (minutes)	50 T	
	Load User Profile	1 Irue	_
	Maximum Worker Processes	1	_
	Ping Enabled	True	_
	Ping Maximum Response Time	90	_
	Ping Period (seconds)	30	- v
10	Shutdown Lime Limit (seconds)	90	
(0)	eneral)		
		OK Can	cel



Create a new Web Application called Ripplestone and using the new Ripplestone Application pool. The Path should be C:\Sites\Ripplestone.



Add Application		? ×
Site name: Default Web Site Path: /		
Alias:	Application pool:	
Ripplestone	Ripplestone	Select
Example: sales		
Physical path:		
C:\Sites\Ripplestone		
Pass-through authentication		
Connect as Test Settings		
	ОК	Cancel



Run Install Script

The final step is to run the RSInstall script. Open a command prompt as the Administrator (right click on the Command Prompt and select Run as administrator). From the command prompt, run:

cscript "C:\Sites\Ripplestone\InstallScripts\RSInstall.vbs"





Testing the install of Ripplestone

From IIS you can select the Ripplestone website and then click the Browse link on the right side of the page. This should open a browser with address of http://localhost/Ripplestone





You can then login with the User ID of *administrator* and the Password of *password*

🖉 Ripplestone :: Sign On - Windows Internet Explorer	_	미지
🚱 😔 🗢 🎉 http://localhost/Ripplestone/SignOn.aspx?ReturnUrl=%2fRipplestone 🖉 🔎 🖉 🖄 🎸 🗶 🏼 🖉 Ripplestone :: Sign On 🗙	@ ☆	£33
File Edit View Favorites Tools Help		
🚹 🔹 🔂 👻 🖃 🖶 Page 👻 Safety 👻 Tools 👻 🔞 👻		
RIPPLESTONE		
User ID: administrator Password: ••••••• Log In 30 days left in trial		
Call Ripplestone Support at (888)767-4692 if you have any questions or problems. Copyright © 2013 Ripplestone		
Contains commands for working with the selected items.	4 100%	• //.



Running Reports that use Oracle

To use reports that are getting data from Oracle you will need to install the 32-bit version of the Oracle Client on the Ripplestone server.

Once the Oracle Client has been installed, you will need to grant permissions to the Oracle folder and all the sub folders.

To find the install location for Oracle you can look in the Registry

For 32-bit - HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE

For 64 bit - HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\ORACLE

Each version of Oracle has a different structure in the Registry, but look for a string value of ORACLE_BASE and this will display the install folder.

The Oracle folders needs to be granted permission for the NETWORK SERVICE system account.

Permissions for oraclexe		— ×
Security		
Object name: C:\oraclexe		
Group or user names:		
& Authenticated Users		
& NETWORK SERVICE		
SYSTEM		
& Administrators (WinPro7-1-PC	C\Administrators)	
		Demous
	Add	Remove
Permissions for NETWORK SERVICE	Add Allow	Remove
Permissions for NETWORK SERVICE Full control	Add Allow	Remove Deny
Permissions for NETWORK SERVICE Full control Modify	Add Allow	Deny
Permissions for NETWORK SERVICE Full control Modify Read & execute	Add Allow	Remove Deny
Permissions for NETWORK SERVICE Full control Modify Read & execute List folder contents	Add Allow	Remove Deny
Permissions for NETWORK SERVICE Full control Modify Read & execute List folder contents Read	Add Allow	Remove Deny
Permissions for NETWORK SERVICE Full control Modify Read & execute List folder contents Read	Add Allow	Remove Deny
Permissions for NETWORK SERVICE Full control Modify Read & execute List folder contents Read Leam about access control and p	Add Allow	Remove Deny
Permissions for NETWORK SERVICE Full control Modify Read & execute List folder contents Read Leam about access control and p	Add Allow	Remove Deny

Finally, for the permissions to take effect the server will need to be re-booted.



Troubleshooting

Message that the Trial has Expired – This can be caused by the date format being in the USA Format of
mm/dd/yyyy. The format can be changed by editing the web.config file located in C:\Sites\Ripplestone and
changing the Globalization section. Change the culture from "en-US" to the correct culture and save the file.

Below is the section

```
<!-- GLOBALIZATION
This section sets the globalization settings of the application.
Other options are en-GB, en-NZ, en-AU, da-DK, ar-AE, et-EE, pt-PT, de-AT, fi-FI, de-DE
More culture codes can be found at:
http://msdn.microsoft.com/en-us/library/system.globalization.cultureinfo(VS.71).aspx
-->
<globalization requestEncoding="utf-8" responseEncoding="utf-8" culture="en-US" />
```

 Home page gets a Java Script error regarding bobj or doesn't load completely – This usually happens when the Ripplestone website has been installed in a website other than the Default Web Site. When this happens the Ripplestone site cannot find the crystalreportviewers13 folder located in C:\inetpub\wwwroot\aspnet_client\system_web\4_0_30319\crystalreportviewers13. To fix the problem you will need to copy the aspnet_client folder and all the sub folders to the Ripplestone folder (C:\Sites\Ripplestone is the

need to copy the aspnet_client folder and all the sub folders to the Ripplestone folder (C:\Sites\Ripplestone is the default location). If the system_web folder has other dot net folder (i.e. 2_0_50727) they can be deleted. The only folder needed under system_web is 4_0_30319.