

# CABINET-WEB Deployment Instructions Windows Server 2012 R2

# Contents

	3
2. Prepare the Web Server prior to CABINET-Web installation	
3. Create folder for CABINET-Web (i.e. C:\Cabinetweb or c:\inetpub\cabinetweb)	3
4. Create Application Pool	3
5. Create Web Site	4
6. Add Modify Permissions to TempDocuments and log folders	7
7. Modifying the CABINET-Web Configuration Files	8
8. Test the Web Site	.10
Appendix A - Installing IIS 8.5 on Windows Server 2012 R2	.11
Appendix B: Setting up an SSL Certificate	. 17

# 1. Prerequisites

#### Web Server

- IIS
- Microsoft .NET Framework 4.5
- Cabinet-SAFE Server version 9.0 or later
- SSL Certificate. SSL ensures that all data passed between the web server and browsers remain encrypted, private and integral for securing data. Cabinet Strongly Recommends that you deploy an SSL certificate for the Cabinet-Web site.

#### **Client Computers**

• Browser: Internet Explorer 9.0, Google Chrome 25, Firefox 20, Apple Safari 5 or later.

#### 2. Prepare the Web Server prior to CABINET-Web installation

Installing IIS 8.5 on Server 2012

# 3. Create folder for CABINET-Web (i.e. C:\Cabinetweb or c:\inetpub\cabinetweb).

The files for CABINET-Web will be provided after order is placed and processed.

### 4. Create Application Pool

We recommend hosting Cabinet-Web under a Web site other than the **IIS Default Web Site** and that you create separate Application Pool for Cabinet-Web. An Application Pool can contain one or more applications and allows you to configure a level of isolation between different Web applications. You can read more about Application Pools here: http://technet.microsoft.com (search for "IIS Application Pool")

- 1. Start the **IIS Manager**
- 2. Add an application pool named cabinetweb by right clicking on "Application Pools" and left click left click on "Add Application Pool"

Add Application Pool ? ×					
Name:					
cabinetweb					
.NET Framework version:					
.NET Framework v4.0.30319 v					
Managed pipeline mode:					
Integrated V					
Start application pool immediately					
OK Cancel					

- 3. Once created expand Application Pools, right click on the new Application Pool, left click on Advanced Settings.
  - 64-Bit Operating Systems we need to set the parameter "Enable 32-Bit Applications = True" for the cabinetweb Application Pool.

- Set Enable 32-Bit Applications to True.
- Set **Idle Time-out** (minutes) by default is set to 20. Cabinet recommends changing this to 120 minutes to match time-out options within web.config
- Click OK.

See screenshot below:

	Advanced Settings							
	(General)							
4	(General)	v4.0		Ê				
		V4.0 True	1	-1				
	Enable 32-Bit Applications		Į	~				
	Managed Pipeline Mode	Integrated cabinetweb		=				
		cabinetweb		_				
	Queue Length							
	Start Automatically	True		-				
	Start Mode	OnDemand						
⊿	CPU							
	Limit (1/1000 of %)	0						
	Limit Action	NoAction						
	Limit Interval (minutes)	5						
	Processor Affinity Enabled	False						
	Processor Affinity Mask	4294967295						
	Processor Affinity Mask (64-bit	4294967295						
⊿	Process Model							
⊳	Generate Process Model Event L							
	Identity	ApplicationPoolIdentity						
	Idle Time-out (minutes)	20		~				
Enable 32-Bit Applications [enable32BitAppOnWin64] If set to true for an application pool on a 64-bit operating system, the worker process(es) serving the application pool will be in WOW64 (Windows on Windows64) mode. Processes in WOW64 mo OK Cancel								

#### 5. Create Web Site

- 1. Start the **IIS Manager**
- 2. Right click on "Default Web Site"
- 3. Left click on Edit Bindings
- 4. Select http and click Edit

Site Bindings					? X	
Туре	Host Name	Port	IP Address	Binding Informa		Add
http		80	*			Edit
						Remove
					[	Browse
					[	Close

5. Change port to 81, click OK, click Close

		Site B	indings	?	X
Туре		Edit Site	e Binding	? X	
http	Type: http Host name: Example: www.	IP address: All Unassigned contoso.com or marketing.cor	Port: v 81		e
_			ОК	Cancel	
				0000	

- 6. Add a web site named cabinetweb by right clicking on "Sites" and left click on "Add Web Site".
- 7. Click Select and select the cabinetweb application pool you created in the previous step.

	Add Website	x
Site name: cabinetweb	Application pool: cabinetweb Select	
Content Directory Physical path: C:\inetpub\cabine Pass-through auth	entication	
Connect as	Select Application Pool ? ×	
Binding Type: http Host name:	cabinetweb V NET v2.0 Classic NET v4.5 Classic Cabinetweb Classic .NET AppPool DefaultAppPool DefaultAppPool	
Example: www.cc	OK Cancel	
✓ Start Website imm	ediately OK Canc	el

8. Under "Physical path:" browse to location of folder created earlier i.e. c:\inetpub\cabinetweb

Add Website	? X
Site name: Application pool:	
cabinetweb Cabinetweb Select	
Content Directory	
Dhysical path:	
C:\inetpub\cabinetweb	
Pass-through authentication	
Connect as Test Settings	
Binding	
Type: IP address: Port:	
http v All Unassigned v 80	
Host name:	
Example: www.contoso.com or marketing.contoso.com	
✓ Start Website immediately	
ОК	Cancel

#### 9. Click OK

10. Expand Sites > Cabinetweb> Web> Right Click and Select "Convert to Application"

Connections			<b>9</b>	h Llomo		
🔍 - 🔚 🛛 🖄			we	b Home		
Start Page ⊿ · ♥ WIN-7RV3PK5168	4 (WIN-7RV3PK516	Fi	lter:		• 🐺 Go 🕞	Show .
- 👘 Application P	ools	4	SP.NET			
⊿ 🧃 Sites			En	<b>~</b>		
👂 🌏 Default W	eb Site				404	
a 🍚 cabinetwe	b		.NET	.NET	.NET Error	.NET
Þ 🛄 M 💦	Explore		at	Compilation	Pages	Globaliza
540 C	Edit Permissions			<b>\$</b>	ab	e e
6	Convert to Applica	tion	ers	Application	Connection	Machine
1	Add Application			Settings	Strings	
2	Add Virtual Directo	ry				
	Manage Folder		▶ mail			
<b>60</b>	Refresh					
	Switch to Content	View		A	4	
				¥.		<u>=</u>
		A	uthentic	Compression	Default Document	Directo Browsi

11. Confirm "Application Pool" is the App Pool created earlier. Click on Select to see available Application Pools. Click "OK"

	Add Application	? X
Site name: cabinetweb Path: /		
Alias:	Application pool:	
web	cabinetweb	Select
Example: sales		
Physical path:		
C:\inetpub\cabinetweb\web		
Pass-through authentication Connect as Test Settings.		
	ОК	Cancel

### 6. Add Modify Permissions to TempDocuments and log folders

#### ----- For Production Systems ------

For an increased level of security you should leave the Identity as ApplicationPoolIdentity. For information on how to add write and modify permissions to folders in this scenario please see Microsoft IIS documentation at: http://www.iis.net/

When assigning modify access to the TempDocuments folder and logs folder the user is found using the Check Names button only if you use the syntax IIS AppPool\[name] (see screen shot below)



#### -----

The TempDocuments folder is where documents are temporarily copied to from the database when the user opens a document, uploads a document and when scanning is performed. The logs folder is where the system writes logging and error information. In order for these operations to work properly you need to assign modify rights to the *Application Pool* account for these two folders.

- Open the Internet Information Services MANAGER.
- Navigate to the Cabinetweb Web Site, TempDouments.
- Right click TempDocuments and select Edit Permissions.
- Select the Security tab. Click Edit. Click Add and then add IIS APPOOL [NAME]
- Add Modify permissions.
- Repeat procedure for **logs** folder.

#### 7. Modifying the CABINET-Web Configuration Files

(Required for production deployments only)

Web.config is the main settings and configuration file for an ASP.NET web application. The file is an XML document that defines configuration information regarding the web application

Web.config can be found in the root folder where you installed CABINET-Web on your web server. For example *C*:\inetpub\cabinetweb\web.config

*Important:* You cannot re-use a copy of the web.config file from a previous version of CABINET-Web. Changes made to the default web.config needs to be re-applied after each time you re-install CABINET-Web.

#### Web Config Items To Know:

expiration). This value can be set lower to reduce risk for cookie hijacking --> Not sure this is still true. Will check and get back with you. <forms name=".Cabinet9018Cookie" requireSSL="false" domain="localhost" loginUrl="Default.aspx" defaultUrl="main.aspx" timeout="600" path="/" protection="All" slidingExpiration="false"/>

MIME Types For File Preview – Do Not Edit – Add via IIS for more information see http://www.iis.net/configreference/system.webserver/staticcontent/mimemap

Setup extra MIME types for file types to be downloaded by client browser <staticcontent></staticcontent>
The remove statements ensures that we do not have conflicts with
duplicate MIME types configured at a website or application level in IIS>
<remove fileextension=".xfm"></remove>
<mimemap fileextension=".xfm" mimetype="application/CNG-Form"></mimemap> <remove fileextension=".msg"></remove>
<mimemap fileextension=".msg" mimetype="application/vnd.ms-&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;outlook"></mimemap>
<remove fileextension=".key"></remove>
<mimemap fileextension=".key" mimetype="application/keynote"></mimemap> <remove fileextension=".pages"></remove>
<mimemap fileextension=".pages" mimetype="application/pages"></mimemap> <remove fileextension=".numbers"></remove>
<mimemap fileextension=".numbers" mimetype="application/numbers"></mimemap> <remove fileextension=".dwg"></remove>
<mimemap fileextension=".dwg" mimetype="application/autocadws"></mimemap>

## 8. Test the Web Site

• Start a web browser and go http://localhost.

# Appendix A - Installing IIS 8.5 on Windows Server 2012 R2

For detailed steps on how to install IIS please visit http://www.iis.net/learn/install/installing-iis-85/installing-iis-85-on-windows-server-2012-r2

- 1. Open Server Manager by clicking the **Server Manager** icon on the desktop.
- In the Server Manager window, with the Dashboard and Quick Start selected, click Add roles and features, or click the Manage menu, and then click Add Roles and Features. The Add Roles and Features Wizard will start with a Before You Begin page. The wizard asks for verification of the following:
  - The administrator account has a strong password.
  - The network settings, such as IP addresses, are configured.
  - The most current security updates from Windows® Update are installed.
- 3. On the **Before You Begin** page, click **Next**.
- 4. On the **Installation Type** page, select **Role-based or feature-based installation** to configure a single server. Click **Next**.

<b>B</b>	Add Roles and	Features Wizard
Select installation	n type	DESTINATION SERVER WIN-7QIBC2LADCG.redmond.corp.microsoft.com
Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results	<ul> <li>machine, or on an offline virtual</li> <li>Role-based or feature-base Configure a single server by a</li> <li>Remote Desktop Services i</li> </ul>	ed installation adding roles, role services, and features. nstallation for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based
		< Previous Next > Install Cancel

5. On the Server Selection page, select Select a server from the server pool, and then select a server; or select Select a virtual hard disk server, select a server to mount the VHD on, and then select a VHD file. Click Next.

B	Add Roles	and Features W	/izard	_ □	x
Select destinatio	n server		WIN-7QIBC2LADCG.red	DESTINATION SERVER imond.corp.microsoft.com	
Before You Begin Installation Type Server Selection Server Roles	Select a server or a virtual f Select a server from the Select a virtual hard dis Server Pool	e server pool	to install roles and features.	]	Incent
Features Confirmation	Filter:				
Results		at are running Winc	Operating System Microsoft Windows Server 2012 dows Server 2012, and that have be	en added by using the	ne
	Add Servers command in S collection is still incomplete	-	vious <u>N</u> ext > Ins	stall Cancel	

6. On the Server Roles page, select Web Server (IIS).

A	Add Roles and Features Wizard	_ <b>D</b> X
Select server roles Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results	Add Roles and Features Wizard         Select one or more roles to install on the selected server.         Roles         Application Server         DHCP Server         DNS Server         Fax Server         File and Storage Services (1 of 12 installed)         Hyper-V         Network Policy and Access Services         Print and Document Services         Remote Desktop Services         Volume Activation Services         Web Server (IIS)         Windows Deployment Services	DESTINATION SERVER WIN-7QIBC2LADCG.redmond.corp.microsoft.com      Active Directory Certificate Services     (AD CS) is used to create     certification authorities and related     role services that allow you to issue     and manage certificates used in a     variety of applications.
	Windows Server Essentials Experience Windows Server Update Services	~
	< <u>P</u> revious	Next > Install Cancel

7. In the Add Roles and Features wizard, click Add Features if you want to install the IIS Management Console, and then click Continue.

Þ	Add Roles and Features Wizard				
,	Add features that are required for Web Server (IIS)? The following tools are required to manage this feature, but do not have to be installed on the same server.				
	<ul> <li>▲ Web Server (IIS)</li> <li>▲ Management Tools         [Tools] IIS Management Console</li> </ul>				
	Include management tools (if applicable)           Add Features         Cancel				

8. On the Server Roles page, click Next.

Note: The features required for the default role services of Management Tools and IIS Management Console will be preselected in the **Features** page.

 On the Features page, select any features that you would like to install, and then click Next. Note that you do not need to select any features on this page to install IIS. IIS setup will select the features that are required.

B	Add Roles and Features Wizard	_ <b>D</b> X
Before You Begin Installation Type Server Selection Server Roles Features		DESTINATION SERVER WIN-7RV3PK51684 Description Web Server (IIS) provides a reliable, manageable, and scalable Web application infrastructure.
Confirmation Results	<ul> <li>DNS Server</li> <li>Fax Server</li> <li>File And Storage Services (Installed)</li> <li>Hyper-V</li> <li>Network Policy and Access Services</li> <li>Print and Document Services</li> <li>Remote Access</li> <li>Remote Desktop Services</li> <li>Volume Activation Services</li> <li>Web Server (IIS)</li> <li>Windows Deployment Services</li> <li>Windows Server Update Services</li> </ul>	
	< <u>P</u> revious <u>N</u> ext :	> Install Cancel

- 10. On the Web Server Role (IIS) page, click Next.
- 11. On the Role Services page, select the following services:
  - o Web Server
    - Role Service
      - Application Development
        - o .NET Extensibility 4.5
          - o ASP.NET 4.5
          - o ISAPI Extensions
          - o ISAPI Filters
      - Security
        - Request Filtering
      - Health and Diagnostics
        - HTTP Logging
        - o Request Monitor
      - Management Tools
        - o IIS Management Console
      - Performance
        - Static Content Compression
      - Common HTTP Features
        - o Directory Browsing
        - HTTP Errors
        - o Default Document

#### o Static Content

- 12. If you selected a role service that requires other role services or features to be installed, a page will be opened indicating the role services or features to be installed. Leave **Include management tools (if applicable)** selected to select the install management tools associated with the server role. Click **Add Features** to add the required role services or features.
- 13. After you have added the role services that you need on the Role Services page, click Next.
- 14. On the Confirmation page, verify the role services and features that are selected. Select Restart the destination server automatically if required to restart the destination server if the settings need to take immediate effect.
- 15. When you are ready to start the installation process on the **Confirmation** page, click **Install**.
- 16. The **Installation Progress** page is displayed. You can close the wizard without interrupting running tasks. You can view task progress or open the page again by clicking **Notifications** in the notification area, and then clicking **Task Details**.

A	Add Roles and Features Wizard	x
Installation progres	DESTINATION S WIN-7QIBC2LADCG.redmond.corp.microso	
Before You Begin	View installation progress	
Installation Type Server Selection	Feature installation	
Server Roles	Installation started on WIN-7QIBC2LADCG.redmond.corp.microsoft.com	
Features Web Server Role (IIS)	Enhanced Storage Web Server (IIS) Management Tools	^
Role Services Confirmation	IIS Management Console Web Server	=
Results	Application Development ASP	
	ISAPI Extensions Common HTTP Features	
	Default Document Directory Browsing	~
	You can close this wizard without interrupting running tasks. View task progress or open page again by clicking Notifications in the command bar, and then Task Details. Export configuration settings	this
	< <u>P</u> revious <u>N</u> ext > Close Ca	ncel

17. On the **Results** page, verify that the installation succeeds, and then click **Close**.

# Appendix B: Setting up an SSL Certificate

Secure Sockets Layer, SSL, is the standard security technology for creating an encrypted link between a web server and a browser. SSL ensures that all data passed between the web server and browsers remain encrypted, private and integral.

- Acquire an SSL certificate from a certification authority such as <u>http://www.godaddy.com/</u>. •
- See the article: Securing Communications with Secure Socket Layer (SSL) site for how to • set up SSL for your web site.

http://technet.microsoft.com/en-us/library/dd163531.aspx