

dotDefender v5.11 for IIS

Installation Guide



Applicure Web Application Firewall

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Installation Process

The installation guide contains the following sections: <u>System Requirements</u> <u>Installing dotDefender</u>

Troubleshooting

System Requirements

dotDefender operation requires any of the following: Web Server: IIS 7.0, IIS 7.5, IIS8.0.

Supported Operating systems: Microsoft Windows 2008, Microsoft Windows 2012

Windows 2008 Requirements

Note: This section concerns steps that have to be performed before installing dotDefender v5.11 on a *Windows 2008 server*.

The following role services should be installed (In addition to the default role services installed with IIS):

APPLICATION DEVELOPMENT:

ISAPI Extensions

ISAPI Filters

CGI

SECURITY:

Windows Authentication

MANAGEMENT TOOLS:

IIS6 Metabase Compatibility

Note: When selecting the parameters instructed in the steps below, leave other default definitions.

- 1. Select **Start > Server Manager** to open the Server Manager window.
- 2. Select **Roles** in the left pane.



3. Select Web Server (IIS).



4. Select Add Role Services.

The Add Roles Wizard appears.

- 5. Under Application Development in the right pane, select:
 - ISAPI Extensions
 - ISAPI Filters
 - CGI
 - Application Development (Installed)
 ASP.NET
 .NET Extensibility
 ASP
 CGI (Installed)
 ISAPI Extensions
 ISAPI Filters (Installed)
 Server Side Includes
- 6. Under Security select Windows Authentication.

Security (Installed)
 Basic Authentication
 Windows Authentication (Installed)

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7. Under Management Tools > IIS6 Management Compatibility, select **IIS6 Metabase Compatibility**.



- 8. Click Next.
- 9. Click Install.

After installation, the Installation Results window appears with a message informing you that the Installation has succeeded.

An IIS restart is required now.

Windows 2012 Requirements

Note: This section concerns steps that have to be performed before installing dotDefender v5.11 on a *Windows 2012 server*.

The following role services should be installed (In addition to the default role services installed with IIS):

APPLICATION DEVELOPMENT:

ISAPI Extensions

ISAPI Filters

CGI

SECURITY:

Windows Authentication

MANAGEMENT TOOLS:

IIS6 Metabase Compatibility

Note: When selecting the parameters instructed in the steps below, leave other default definitions.

- 1. Go to Server Manager to open the Server Manager window.
- 2. Select Manage -> Add Roles and Features



Man	age	Tools	View	Hel	р
	Add	Roles and	Features		
	Rem	ove Roles	and Featu	ires	
	Add Creat	Servers te Server (Group		
	Serve	er Manage	er Properti	es	

- 3. Select the needed Installation Type -> Next
- 4. Select the location -> Next
- 5. Expand Web Server (IIS)
- 6. Under Security select Windows Authentication

	terest of the second se	
4	Security	
	Request Filtering	
	Basic Authentication	
	Centralized SSL Certificate Support	
	Client Certificate Mapping Authentication	
	Digest Authentication	
	IIS Client Certificate Mapping Authenticatio	
	IP and Domain Restrictions	=
	URL Authorization	
	Windows Authentication	
	and a light a light a	

7. Under Application Development select CGI, ISAPI Extensions and ISAPI Filters



8. Expand the Management Tools and under IIS 6 Management Compatibility select IIS 6 Metabase Compatibility



- 9. Click Next
- 10. Click Install

After installation, the Installation Results window appears with a message informing you that the Installation has succeeded.

An IIS restart is required now.

Now you are ready to install dotDefender v5.11 for IIS.

Continue to the next section.



Installing dotDefender

Note: The IIS Web server will be automatically restarted during the installation process.

 Select the version you plan to install from the "downloads" page on www.applicure.com. You will be prompted to Save or Run the dotDefender installation. Click Save. The file will begin downloading.

Note: Manually stop the IIS service before launching the installer. (In the command prompt type: "iisreset /stop").

2. Double-click the .exe file.

3. The InstallShield Wizard begins and the Welcome window appears.



Applicure de	otDefender for IIS (Web Application Firewall) - InstallShield Wizard
	Welcome to the dotDefender for IIS installation wizard This wizard will install dotDefender on your computer. To continue, click Next.
InstallShield	< Back Next> Cancel

Click **Next** to continue.

4. A message appears warning you that the IIS Web server will be automatically restarted during the installation. Click **Yes** to continue.

	Question	x
?	Important! Please note that IIS web server will be automatically restarted during installation. Would you like to continue?	
	Yes No	



<u>5. Requirements screen</u> - the "Help" button will supply additional information if the server does not meet the requirements (Microsoft Visual C++ 2010 will be installed automatically).

dotDefender requires the	ollowing prerequisit Status Found Found Found Found Found Found	es, Requirements 648it Processor Windows Server 2012 Internet Information Services 8.0 Required IIS roles services MSXML 6.0	
	Found Not Found Not Found	Administrator privileges Microsoft Visual C++ 2010 Redistributable Package x86 dotDefender for IIS	
	Click next to con	tinue	

*** If the server is missing Microsoft Visual C++ 2010, it will be installed automatically after clicking "Yes" on the next window. ***



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Click **Yes** to continue.

7. The License Agreement window appears.

Applicure d License Agreement Please read the following lice	otDefender for IIS (Web Application Firewall) - InstallShield Wizard	X
	dotDefender VERSION 2 SOFTWARE LICENSE AGREEMENT The license agreement absolves Applicure Technologies of any and all liability resultant from	^
	redistribution of its software in any form. NOTE: IF YOU INSTALL THE SOFTWARE YOU WILL BE DEEMED TO HAVE ACCEPTED THE TERMS OF THIS LICENSE AGREEMENT. Subject to the following terms and conditions, Applicure Technologies Corporation ("Applicure") grants to you ("User") a non- exclusive license to use the Software.	=
	 SCOPE OF LICENSE This is a worldwide, royally-free, non-exclusive license. Applicure grants the User the right to use the Software for its own internal business purposes on a per machine, per processor basis, subject to and in accordance with the terms and conditions of this Agreement. Applicure does not guarantee any rights to updates or upgrades of the Software, nor any maintenance or support relating to the Software. The Software may not be transferred, sold, assigned, leased, rented, sublicensed, or otherwise conveyed, in whole or part, by User to another party without Applicure's prior written consent. 	
	2 APPLICURE TECHNOLOGIES' RIGHTS	~
	I accept the terms of the license agreement I do not accept the terms of the license agreement	
Install Shield	< <u>B</u> ack <u>N</u> ext > Cano	el

Read the license and select "I accept the terms of the license agreement". Click Next.

8. The Destination Location window appears.



Applicure dotDefender	for IIS (Web Application Firewall) - InstallShield Wiza	ard ×
Choose Destination Location Select folder where setup will install files.		
	This wizard will install dotDefender on your computer. To continue, C:\Program Files\Applicure\dotDefender for IIS\	Change
InstallShield	< Back	Cancel

Use the default Destination Location or click Change to browse and select the directory in which you want to install the dotDefender files.

Click Next.



9. The Hosting Site window appears.

dotDefender for IIS - Pre installation check list			
User name for Hosting Site for dotDefender WAF			
Please specify Hosting Ske for dotDefender WAF 1:Default Web Ske;http;*:80: 2:www.mysike1.com;http;*:80:www.mysike1.com 3:www.mysike2.com;http;*:80:www.mysike2.com			
InstallShield Back Next Cancel			

Select the site under which you would like the dotDefender Virtual Directory to be installed. Click **Next**.



10. The Installation window appears.



Click **Install** to begin the installation.

The installation should take no more than a few minutes.



Applicure dot	Defender for IIS (Web Application Firewall) - InstallShield Wizard	x
Setup Status		
	Applicure dotDefender for IIS (Web Application Firewall) is configuring your new software installation.	
	Validating install	
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INNUMBIC	Lance	

11. The Rule-Updates window appears.

Select either Automatic Update or Manual Update, and then Next.





12. The Rule-Updates window appears.

Select to download the rules from either **Applicure's website** or a **custom location**.

dotDefender for IIS - Pre installation check list				
Best Practice Rules - /	Autoupdate			
@10550,10551;1;0;;0,128,128	Please select Automatic or Manual update Applicure site URI Your URI			
Help	Back Next Cancel			



13. The Rule-Updates window appears.

For automatic update, select the frequency of the updates and then Next.

Writes attack events to database.				
Ruled Update Best Practice configuration - cont.				
	Please select period for Best Practice Rules check I day I day I week I month Guarter)			
Help	Back Next	Cancel		



When the installation has completed, click Finish.

dotDefender for IIS - InstallShield Wizard		
	InstallShield Wizard Complete	
	The InstallShield Wizard has successfully installed dotDefender for IIS. Click Finish to exit the wizard.	
InstallShield	< Back Finish Cancel	

After the installation is finished, please verify Microsoft Redistributables are installed (install them if needed):

http://www.microsoft.com/en-us/download/details.aspx?id=5555

http://www.microsoft.com/en-us/download/details.aspx?id=14632

Note: Your websites are **not** protected until you activate a valid license!

Note: We recommend manually restarting the IIS service after the installation has finished. (In the command prompt type: "iisreset").

Once installation has finished and dotDefender is installed on your machine, a license must be applied to enable blocking and protection. For licensing your dotDefender, please contact your Applicure account representative or the Support Team.



Troubleshooting

If you experience any issues loading the dotDefender interface, please review the following points to isolate your problem.

Login must be done using an Administrator account. Make sure the user is included in the groups "Administrators", "dotDefenderAdmins" and "IIS_WPG"(IIS6) / "IIS_IUSRS"(IIS7).
 Check ISAPI filters. (Websites -> properties -> ISAPI Filters)

If an ISAPI filter called URL-Scan is present, it will prevent dotDefenderWS.exe service from running. You must add an exception for dDefender in URL-Scan.

In addition, make sure that either an extension (IIS6) or a "dotDefenderModule" (IIS7) exists. **3)** The license dat file may be corrupted.

Open the file, and if you see strange characters instead of clear text, it is corrupted. Replace the license.

4) The dotDefender virtual directory is placed under the Default website.

If the default website is stopped, missing or working in a different port (FTP port 21 for example) the installer will not create a virtual directory.

If a virtual directory isn't found, create it manually under a different site (please contact the Support Team and ask for instructions).

5) Accessing the Default website from within the server sometimes may cause troubles. Try accessing it from outside.

6) Avoid .exe filtering. It might block the "dotDefenderWS.exe" file.

7) In case you are NOT using the 'Administrator' account, make sure to disable the UAC.

Please help us help you!

Link to our knowledgebase:

http://applicuresupport.helpserve.com/index.php?_m=knowledgebase&_a=view&paren tcategoryid=12&pcid=0&nav=0

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