

dotDefender v5.12 for Apache

Installation Guide



Applicure Web Application Firewall

Installation Process

The installation guide contains the following sections:

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System Requirements

When installing dotDefender, the following information is needed:

1. Path to the HTTPD binary
2. Path to the httpd.conf
3. Command for restarting Apache

dotDefender operation requires any of the following:

Web Server: Apache 2.0.X or higher, Apache 2.2.X

Platform: Linux (packages: RPM, Debian, Generic)

Perl Interpreter

GLIBC 2.3.2 or higher

If present - SQLite 3.5.6 or higher

CGI module

Installing dotDefender

1. Extract the downloaded gz file.

For example: **gunzip dotDefender-3.8-5.Linux.i386.rpm.bin.gz**

Note: Installation must be performed using root permissions.

After installation has finished – Restart Apache server!

Make sure that "umask" equals to "022".

2. Start the installation dialog by executing the bin file.

For example: **sh ./dotDefender-3.8-5.Linux.i386.rpm.bin**



3. The Welcome screen appears. Select **Next**.

```
lqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqWelcomeqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqk
x
x Welcome to the installer for dotDefender, from Applicure Technologies. x
x
x If at any stage you require assistance, please email x
x support@applicure.com. x
x
x For more information about dotDefender, please visit the dotDefender x
x website: x
x www.applicure.com. x
x
x Thank you, x
x The dotDefender Team x
x
x
x
tqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq
x < Next > <Cancel>
mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq
```

4. The License Agreement screen appears. Read, and select **I Agree**.

```
lqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqLicense Agreementqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqk
x APPLICURE SOFTWARE LICENSE AGREEMENT x
x
x The license agreement absolves Applicure Technologies of any and all lia x
x resultant from the installation of its software, and prohibits reverse x
x engineering and/or unauthorized redistribution of its software in any fo x
x
x NOTE: IF YOU INSTALL THE SOFTWARE YOU WILL BE DEEMED TO HAVE ACCEPTED TH x
x TERMS OF THIS LICENSE AGREEMENT. Subject to the following terms and x
x conditions, Applicure Technologies Corporation ("Applicure") grants to y x
x ("User") a non-exclusive license to use the Software. x
x
x 1. SCOPE OF LICENSE x
x This is a worldwide, royalty-free, non-exclusive license. Applicure gra x
x the User the right to use the Software for its own internal business pur x
tqqqqv(+)qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq16%qqqqqq
x <I Agree> < Back > <Cancel > x
mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq
```


9. The Admin GUI screen appears.

The Administration GUI is now accessible at `http://<hostname>/dotDefender` (Defined previously). To access the Administration GUI, a password must be configured for the admin user. Enter a password in each of the two fields. Select **Next**.

```

lqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqAdmin GUIqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqk
x                                                                 x
x The admin GUI will be accessible at the following URL:          x
x http://<hostname>/dotDefender                                   x
x User name is 'admin'.                                          x
x                                                                 x
x Please define the password for accessing the admin GUI         x
x (using the arrow keys to alternate between fields below).     x
x lqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqk x
x x                                                                 x x
x x Enter password: *                                           x x
x x Confirm password: * [REDACTED]                             x x
x x                                                                 x x
x x                                                                 x x
x mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq] x
tqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq]
x           < Next >           < Back >           < Cancel >           x
mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq]

```

10. The Rule-Updates screen appears.

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

1. Troubleshooting

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

Cannot run the installer – no execute permissions:

If you are executing the command “# sh dotDefenderr-3.8-5.Linux.i386.deb.bin” (for example), in order to run the installer, and a “No Execute Permissions” error appears, it most likely relates to the “/tmp” directory or its mount:

1. Create a directory with permissions – simply execute `mkdir /[some_dir_name]` (“`mkdir /dD_ttt`”)
Use the following command (for example) to run the installer under the newly created directory: “`TMPDIR=/dD_ttt sh dotDefenderr-3.8-5.Linux.i386.deb.bin`”

libXML issue:

- a) Get the process ID of one apache child (run “`ps aux | grep httpd`”)
- b) Run # “`cat /proc//maps | grep libxml`” to get the path to libxml
- c) Run the utility from “`/usr/local/APPCure/bin/change_soname`”, which receives two arguments:
 - The path from the second step, and
 - An output location, for example: `change_soname /usr/lib/libxml2 /tmp`
- d) Copy the output file called `libXML2.so.2` and replace the one at `/usr/local/APPCure/contrib`
- e) Restart Apache

suEXEC integration (From the Applicure knowledgebase):

<http://applicuresupport.helpserve.com/index.php? m=knowledgebase& a=viewarticle& kbarcodeid=29&nav=0,13>

cPanel integration (From the Applicure knowledgebase):

<http://applicuresupport.helpserve.com/index.php? m=knowledgebase& a=viewarticle&kbarcodeid=30& nav=0,13>

Please help us help you!

Link to our knowledgebase:

<http://applicuresupport.helpserve.com/index.php? m=knowledgebase& a=view&parentcategoryid=13&pcid=0&nav=0>

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