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HPE Security

Fortify Runtime

Fortify Runtime Diagnostic Tool Technical Note

Summary

The Fortify Runtime Diagnostic Tool is a command line tool that surveys and validates that an application host system meets minimum Fortify Runtime requirements and dependencies for fully functioning installation and usage. It is used as a pre-install checker and as a tool that gathers and checks important diagnostic information such as unsupported environments and manual configuration changes.

Usage

The Fortify Runtime Diagnostic Tool may be used to determine whether a specific environment supports the Fortify Runtime platform. The following environment parameters are currently being checked for compatibility:

- Operating System
- Java version
- Application Server
- IIS version (in Windows-based systems)

Please note that in case more than one Java instance is installed on the machine, the Fortify Runtime Diagnostic Tool may not be able to automatically locate the Java instance intended to run the application that is being monitored by the Fortify Runtime Platform. The command line option `-j` allows you to specify a specific path for the desired Java instance.

The Fortify Runtime Diagnostic Tool reports any unsupported environment parameter and may also report warnings for restrictions of some partially supported versions.

Launching the Fortify Runtime Diagnostic Tool

The Fortify Runtime Diagnostic Tool is part of the Fortify Runtime software bundle.

1. Open a command line.
2. From the Fortify Runtime installation directory `bin` folder launch the Fortify Runtime Diagnostic Tool as follows:



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- For Windows-based computers use `diagnose.cmd`
- For Unix-based computers use the `diagnose` command

After you start the Runtime Diagnostic Tool, it displays information similar to the following:

```
Runtime diagnostic check starting
Detected WindowsXP version 5.1
Detected IIS version 7.0
Detected Java HotSpot version 1.6
Checking prerequisites for HPE Security Fortify Runtime Analyzer
(Java) [4.30]
HPE Security Fortify Runtime Analyzer (Java) [4.30] is supported
on this system
Checking prerequisites for HPE Security Fortify Runtime Analyzer
(.NET) [4.30]
HPE Security Fortify Runtime Analyzer (.NET) [4.30] is not
supported on this system
```

3. To obtain a more detailed description of the above diagnostic summary, navigate to the log folder and open the `diagnose.log` file.

Command Options

The following table lists the available command options for the Fortify Runtime Diagnostic Tool.

Fortify Runtime Diagnostic Tool Command Options

Option	Description
<code>-a, --appserverhome <arg></code>	Specify the application server home directory
<code>-d, --debug</code>	Display debug messages
<code>-f, --fortifyhome <arg></code>	Specify the Fortify Runtime Platform home directory
<code>-h, --help</code>	Print this message
<code>-j, --javahome <arg></code>	Specify the Java home directory
<code>-l, --logfile <arg></code>	Specify the log filename
<code>-r, --reqfile <arg></code>	Prerequisite file
<code>-t, --trace</code>	Display extra debug messages
<code>-v, --version</code>	Print the version information



Contacting HPE Security Fortify Support

If you have questions or comments about using this product, contact HPE Security Fortify Technical Support using one of the following options.

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