HP Fortify Static Code Analyzer Requirements

Hardware Requirements

HP Fortify recommends that you install HP Fortify Static Code Analyzer (SCA) on a high-end processor with at

least 8 GB of RAM. If your software is complex, you might require more RAM. See the HP Fortify Static Code

Analyzer Performance Guide for more information.

The minimum requirements for running SCA in parallel mode are:

• 16 GB RAM per core

OS supported for Windows:

Windows 64-bit Windows Server 2012 R2

Windows 7 SP 1

Windows 8.1

SCA-Supported Languages

ASP.NET, VB.NET, C# (.NET)

Version:

4.5 and earlier

Build tool

Jenkins version 1.6

MSBuild 2, 3.5, 4.x

SCA supports below compiler

Platform :Windows, compiler is cl and versions:VS 2010, 2012, 2013, 2015

\*\*Supporting Integrated Development Environments (IDEs)

IDE:Microsoft Visual Studio

Versions

2010 Premium, Professional, and Ultimate 2012 Premium, Professional, and Ultimate 2013 Premium, Professional, and Ultimate 2015 Community, Professional, and Enterprise Note: SCA is not compatible with MS Visual Studio Express.

Software Requirement

Package:.NET

Versions:Microsoft .NET Framework 3.5 SP1 Microsoft .NET Framework 4.5.1

Static code analyzer (SCA) is a command line program run on a developer workstation or run on a development or test build server. You typically use SCA to scan the code (via sourceanalyzer or the sourceanalyzer.jar) and generate an Fortify Project Reports (FPR) file. Then you can open that FPR file with Audit Workbench or upload it to SSC, where you can track trends, risk posture, etc.

Audit Workbench (AWB) is installed on your desktop with the SCA; it is a graphical application that allows you to review the scan results, add audit data, apply filters, and run simple reports. The AWB only gives you the results of that particular scan. In contrast, the SSC provides the history of your applications and the other applications using the SSC (given the appropriate access permissions).

Installation and Configuration:

* Install ​​HP\_Fortify\_SCA\_and\_Apps\_16.10\_windows\_x64.exe (Got from Fortify Team)
* Configure the local host URL and available port
* Once installation is completed, Audit Workbench GUI will be launched
* SCA will scan the code, publish report and upload it to Audit Workbench
* To run SCA, install Visual Framework on local, Visual Framework used for RE application is version 10.

**Implementation of SCA:**

.NET from CLI:

[Step 0: Load VisualSTUDIO Command Prompt Environment Variables]

call "C:\Program Files (x86)\Microsoft Visual Studio **<VER#>**\VC\vcvarsall.bat" x64

[Step 1: Clean]

sourceanalyzer -b **<BUILDID>** -clean

[Step 2: Translation/Build]

sourceanalyzer -b **<BUILDID>** -debug -logfile trans.log devenv **<path to project>/<project>.sln** /Rebuild Debug

(Devenv stands for Developer Environment and works with VS to compile and analyzer your applications.)

[Step 3: Analysis]

sourceanalyzer -b **<BUILDID>**   -Xmx6G -debug -logfile scan.log -scan -f **<FPRName>**.fpr