**Guide for building compute-node components on windows**

**Pre-requisites-**

Install NSIS on the build machine, create environment variable NSIS\_HOME and set its value to nsis directory(parent directory of makensis.exe).

**1.Building tbootxm-**

1.1 Run the tbootxm\_bootdriver\_build.cmd script placed under tbootxm\_bootdriver directory of dcg\_security-tboot-xm. This script requires two parameters to be passed: Platform(x86/x64) and “OS(Win7/Win8/Win8.1) Configuration(Debug/Release)”.

**e.g. tbootxm\_bootdriver\_build.cmd x64 “Win8.1 Release”**

1.2 Sign the tbootxm\_bootdriver.sys file generated after above step.

1.3 Place the signed tbootxm\_bootdriver.sys file inside signed directory(to be created inside tbootxm\_bootdriver directory) along with .inf and .cat files.

1.4 Run the tbootxm\_windows\_build.cmd script placed under dcg\_security-tboot-xm. This script requires three parameters to be passed: Platform(x86/x64), Configuration(Debug/Release) and OS(Win7/Win8/Win8.1).

**e.g. tbootxm\_windows\_build.cmd x64 Release Win8.1**

**2. Building vrtm-**

2.1 Run the vrtm\_windows\_build.cmd script placed under build directory of dcg\_security-vrtm. This script requires two parameters to be passed: Platform(x86/x64) and Configuration(Debug/Release).

**e.g. vrtm\_windows\_build.cmd x64 Release**

**3. Building policyagent-**

3.1 Run policyagnet ANT build. The installer is generated in “dcg\_security-policyagent\packages\mtwilson-policyagent-windows\target” folder.

**4. Building trustagent-**

4.1 Run trustagent ANT build. The installer is generated in “dcg\_security-trustagent\packages\trustagent-windows\target” folder.

**5. Building openstack-extensions-**

5.1 Run openstack-extensions ANT build. The installer is generated in “dcg\_security-openstack-extensions\packages\mtwilson-openstack-node-windows\target” folder.

**6. Building Combined Installer-**

6.1 Place the individual installer of all the compute node components, from directory where individual build scripts were executed, into mtwilson-openstack-trusted-node-windows directory of dcg-security-openstack-extensions.

6.2 Compile the nsis script cit\_compute\_node\_windows\_installer.nsi which will generate the combined installer cit-compute-node-setup.exe.

**PS-**

Running ANT build means building the component on linux machine as we do currently.