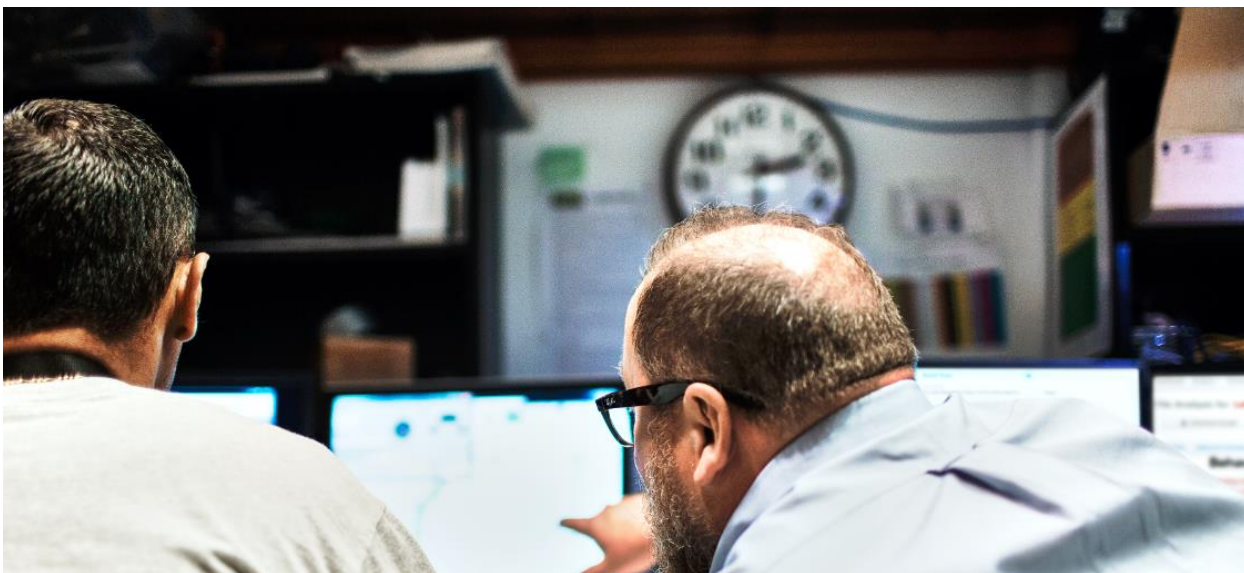




# Cisco CSPC ISO Installation Application Note

for Smart Net Total Care

August 2017



This document explains how you can use the ISO CSPC image and the hardware required to create a collector for Smart Net Total Care.

<b>BACKGROUND .....</b>	<b>2</b>
<b>ISO IMAGE AND HARDWARE REQUIREMENTS .....</b>	<b>2</b>
<b>OVA OPTION .....</b>	<b>3</b>
<b>ADDITIONAL RESOURCES .....</b>	<b>4</b>

## Background

The Cisco Common Services Platform Collector (CSPC) software provides an extensive collection mechanism to gather various aspects of customer network information. Data collected by the CSPC is used by multiple applications to provide detailed reports and analytics for both the hardware and software.

Previously, Cisco sold an appliance that consisted of a Cisco UCS hardware unit with the collector software pre-installed and the unit configured for operation. As of December 31, 2016, Cisco [no longer sells a collector appliance for Smart Net Total Care](#). Now customers can download the CSPC collector software and install it on a hardware unit that they provide. The current version of the CSPC software and documentation can be downloaded from [this link](#).

Customers can choose between an OVA or an ISO image. A customer might select the ISO image:

- If there is not a pre-existing virtual machine infrastructure
- If there is no support for VMware OVA virtual machines due to using Hypervisor or KVM
- If there is existing hardware that matches the specifications that is not currently being used
- If the collector needs to be installed in a physical location separate from the VM infrastructure

## ISO Image and Hardware Requirements

The ISO image is used for bare-metal installations. With ISO, the image is customized for a specific set of components. If the customer chooses the ISO image, they must use the Cisco validated platform (listed below) to guarantee the hardware is fully compatible with the image. This will ensure a smooth installation of the collector software. For example, the hard drives on the ISO image are configured by default as “JBOD” – “Just a bunch of disks”. This means that if only one hard drive is present, then a RAID configuration is not needed and the default JBOD will work just fine. If the customer uses servers from other manufacturers, or if they have installed a RAID controller that is not supported by the OS, different drivers may be needed and the image will not install properly.

The standard Smart Net Total Care CSPC collector is configured to support up to 10,000 devices. We call this the small configuration. Use this BOM to order all the components from Cisco that are needed to build a validated replacement small CSPC unit for an ISO image.

H/W Component	Quantity
UCSC-C200-M4S UCS C220 M4 SFF w/o CPU, mem, HD, PCIe, PSU, rail kit	1
UCS-CPU-E52609E 1.70 GHz E5-2609 v4/85W 8C/20MB Cache/DDR4 1866MHz	1
UCS-MR-1X08 1RV-A 8GB DDR2-2400-MHz RDIMM/PC4-19200/single rank/x4/1.2v	1
UCSC-HS-C220M4 Heat sink for UCS C220 M4 rack servers	1
N20-BBLKD	7

UCS 2.5 inch HDD blanking panel	
UCSC-MLOM-BLK MLOM Blanking Panel	1
UCS-M4-V4-LBL Cisco M4 - v4 CPU asset tab ID label (Auto-Expand)	1
UCSC-PSU-BLKP1U Power Supply Blanking Panel for C220 M4 servers	1
UCSC-RAILB-M4 Ball Bearing Rail Kit for C220 M4 and C240 M4 rack servers	1
UCSC-PSU1-770W 770W AC Hot-Plug Power Supply for 1U C-Series Rack Server	1
CAB-N5K6A-NA Power Cord, 200/240V 6A North America (or appropriate power cord for your region)	1
C1UCS-OPT-OUT Cisco ONE Data Center Compute Opt Out Option	1
UCS-HD600G10K 12G 600GB 12G SAS 10K RPM SFF HDD	1
UCSC-MRAID 12G Cisco 12G SAS Modular Raid Controller	1
UCSC-SCCBL220 Supercap cable 950mm	1
UCSC-MRAID 12G-512 Cisco 12Gbps SAS 512MB FBWC Cache module (Raid 0/1/5)	1

The unit will have the following hardware specifications:

CSPC Small Appliance on M4	
<b>Capacity</b>	Up to 10,000 devices
<b>Model</b>	Cisco UCS C220 M4
<b>CPU</b>	1 Intel® Xeon® Processor E5-2609 v4 8-Core 1.7 GHz
<b>RAM</b>	8GB DDR4-2400 MHz
<b>Hard Disk</b>	600 GB SATA
<b>RAID</b>	Embedded SW RAID 0/1/5/10, 8 ports SAS/SATA

You can refer to the [documentation for the UCS C220 M4](#) and the [installation instructions for the ISO image](#) for further assistance.

## OVA Option

As a popular alternative to a hardware deployment, an OVA small collector image is also available and is designed to support any virtual machine environment using ESXi 5.x or higher (such as VMware) that meets these minimum hardware requirements:

- 250 GB of hard drive space
- 4 CPU cores with 64-bit support (virtual CPUs)
- 1 virtual NIC (number of NICs required is dependent upon the network topology)
- 4GB of virtual RAM

---

You can download the OVA image from [this link](#).

## Additional Resources

Refer to these resources for additional details about the Smart Net Total Care Portal and the CSPC:

- [Smart Net Total Care Service Support page](#)
- [Support for the SNTC Supported Collectors](#)
- [Support for the SNTC Portal](#)