Configuring CSR1000V for SD-AVC

## Allocating VM CPUs for Cisco CSR1000V

Use this task to allocate CPU resources when setting up a Cisco Cloud Services Router CSR1000V as a host for the SD-AVC network service.

Before you begin

Step 1 On the VMware ESXi hypervisor client that is hosting the Cisco CSR, edit the CSR that is hosting the SD-AVC network service. Allocate 8 CPUs to the virtual machine. (For small-scale scenarios, fewer CPUs may be necessary. See System Requirements: SD-AVC Network Service Host.
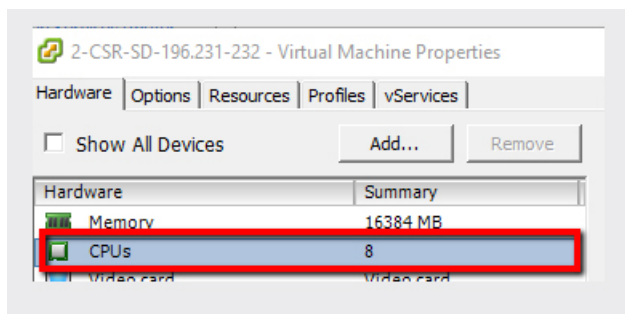
Step 2 On the CSR device, execute the following:

```
(config)#platform resource service-plane-heavy
Please reboot to activate this template
```

Step 3 Copy the running configuration to the starting configuration.

```
copy running-config startup-config
```

Step 4 Reload the device.

```
reload
```

Step 5   Use **show platform software cpu alloc** to check the number of CPU cores allocated.

Check the command output for the **Control plane cpu alloc** line. The output indicates 4 CPUs (numbered 0 to 3).

```
(config)#show platform software cpu alloc
CPU alloc information:
  Control plane cpu alloc: 0-3
  Data plane cpu alloc: 4-7
  Service plane cpu alloc: 0-3
  Template used: CLI-service_plane_heavy
```

Note   If the VM has only 4 cores allocated, the **Control plane cpu alloc** line in the command output shows only a single CPU (numbered 0).

```
CPU alloc information:
  Control plane cpu alloc: 0
  Data plane cpu alloc: 1-3
  Service plane cpu alloc: 0
  Template used: CLI-control_plane_heavy
```