

## SIEMENS IP PHONE DHCP OPTION 43

DATE: 9.10.2018

VERSION: All

In some situations, it may be necessary to configure FortiNAC DHCP server to provide the VLAN ID for Siemens IP phones. This requires a manual edit of `/etc/dhcpd.conf`. If not familiar with editing such files, contact Support for assistance.

**Important:** If configWizard is run after modifications are made, the blue entries in the scopes are removed. The red global entries are retained.

**Example:** See below. Note red and blue entries.

```
cat /etc/h [Kdhcp/dhcpd.conf
# Sample /etc/dhcpd.conf
# (add your comments here)

#option time-servers ip-address;
#option ntp-servers ip-address;
#option domain-name-servers 192.168.10.10;
#option nis-domain bsc.com;
#option nis-servers 192.168.10.10;

#default-lease-time 600;
#max-lease-time 7200;

authoritative;
log-facility local6;
ddns-update-style none;
option space OpenStage;
option OpenStage.vendor code 1 = string;
```

```
option OpenStage.vlanid code 2 = unsigned integer 32;
option OpenStage.dls code 3 = string;

class "vendor-classes" { match option vendor-class-identifier; }
subclass "vendor-classes" "OptiIpPhone" {
vendor-option-space OpenStage;
option OpenStage.vendor "Siemens";
}
# Empty Scope Used to load DHCP on ETH1
subnet 10.100.0.0 netmask 255.255.252.0 {
}
# Empty Scope Used to load DHCP on ETH1 of HA'd appliance
subnet 10.232.0.0 netmask 255.255.255.0 {
}

class "authenticated_clients"
{
match pick-first-value (option dhcp-client-identifier, hardware);
}

# Isolation Scope ISOL_N1Iso
subnet 10.100.24.0 netmask 255.255.255.0 {
    range 10.100.24.10 10.100.24.255;

    default-lease-time 60;
    max-lease-time 60;
    option domain-name "isol.domain.com";
    option domain-name-servers 10.100.0.50,10.232.0.95;
    option broadcast-address 10.100.24.255;
    option routers 10.100.24.1;
    option OpenStage.vlanid 810;
}
# Isolation Scope ISOL_N2Iso
```

```
subnet 10.100.25.0 netmask 255.255.255.0 {
    range 10.100.25.10 10.100.25.250;

    default-lease-time 60;
    max-lease-time 60;
    option domain-name "isol.domain.com";
    option domain-name-servers 10.100.0.50,10.232.0.95;
    option broadcast-address 10.100.25.255;
    option routers 10.100.25.1;
    option OpenStage.vlanid 811;
}
# Isolation Scope ISOL_N3Iso
subnet 10.100.26.0 netmask 255.255.255.0 {
    range 10.100.26.10 10.100.26.250;

    default-lease-time 60;
    max-lease-time 60;
    option domain-name "isol.domain.com";
    option domain-name-servers 10.100.0.50,10.232.0.95;
    option broadcast-address 10.100.26.255;
    option routers 10.100.26.1;
    option OpenStage.vlanid 812;
}
# Isolation Scope ISOL_S1Iso
subnet 10.100.27.0 netmask 255.255.255.0 {
    range 10.100.27.10 10.100.27.250;

    default-lease-time 60;
    max-lease-time 60;
    option domain-name "isol.domain.com";
    option domain-name-servers 10.100.0.50,10.232.0.95;
    option broadcast-address 10.100.27.255;
    option routers 10.100.27.1;
    option OpenStage.vlanid 813;
}
```

```
# Isolation Scope ISOL_S2Iso
subnet 10.100.28.0 netmask 255.255.255.0 {
    range 10.100.28.10 10.100.28.250;

    default-lease-time 60;
    max-lease-time 60;
    option domain-name "isol.domain.com";
    option domain-name-servers 10.100.0.50,10.232.0.95;
    option broadcast-address 10.100.28.255;
    option routers 10.100.28.1;
    option OpenStage.vlanid 814;
}

# Isolation Scope ISOL_S3iso
subnet 10.100.29.0 netmask 255.255.255.0 {
    range 10.100.29.10 10.100.29.250;

    default-lease-time 60;
    max-lease-time 60;
    option domain-name "isol.domain.com";
    option domain-name-servers 10.100.0.50,10.232.0.95;
    option broadcast-address 10.100.29.255;
    option routers 10.100.29.1;
    option OpenStage.vlanid 815;
}

#####
## For examples of fixed IP reservations
## please see the file /bsc/siteConfiguration/README.DHCPD.CONF
#####
#####
## The following is used
## for Access Point Management
## Do not modify below these lines.
## subclass "authenticated_clients" 1:00:10:7A:68:E8:2D;
#####
## CampusManager adds lines below this point
```