

IT PC

Ethernet adapter Ethernet:

```
Connection-specific DNS Suffix . : TekkyInc-IT.com
Description . . . . . : Killer E2600 Gigabit Ethernet Controller
Physical Address. . . . . : 08-8F-C3-6A-60-13
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::8069:221f:1e1b:de76%3(Preferred)
IPv4 Address. . . . . : 172.30.12.2(Preferred)
Subnet Mask . . . . . : 255.255.255.128
Lease Obtained. . . . . : April 12, 2024 2:05:27 PM
Lease Expires . . . . . : April 13, 2024 2:05:26 PM
Default Gateway . . . . . : 172.30.12.1
DHCP Server . . . . . : 172.30.12.1
DHCPv6 IAID . . . . . : 84447171
DHCPv6 Client DUID. . . . . : 00-01-00-01-2A-6D-F3-39-08-8F-C3-6A-60-13
DNS Servers . . . . . : fec0:0:0:ffff::1%1
                        fec0:0:0:ffff::2%1
                        fec0:0:0:ffff::3%1
NetBIOS over Tcpip. . . . . : Enabled
```

System Administrator

Ethernet adapter Ethernet:

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Connection-specific DNS Suffix . : TekkyInc-SystemAdministrator.com
Description . . . . . : Intel(R) Ethernet Connection (23) I219-V
Physical Address. . . . . : 74-5D-22-32-4A-75
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::353d:21f4:8cdf:76fc%13(Preferred)
IPv4 Address. . . . . : 172.30.13.2(Preferred)
Subnet Mask . . . . . : 255.255.255.192
Lease Obtained. . . . . : April 12, 2024 3:26:06 PM
Lease Expires . . . . . : April 13, 2024 3:26:05 PM
Default Gateway . . . . . : 172.30.13.1
DHCP Server . . . . . : 172.30.13.1
DHCPv6 IAID . . . . . : 309615906
DHCPv6 Client DUID. . . . . : 00-01-00-01-2C-4E-4E-22-74-5D-22-32-4A-75
DNS Servers . . . . . : fec0:0:0:ffff::1%1
                        fec0:0:0:ffff::2%1
                        fec0:0:0:ffff::3%1
NetBIOS over Tcpip. . . . . : Enabled
```

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R1#show ip dhcp binding
Bindings from all pools not associated with VRF:

```

IP address	Client-ID/ Hardware address/ User name	Lease expiration	Type	State	Interface
172.30.12.2	0108.8fc3.6a60.13	Apr 13 2024 11:05 AM	Automatic	Active	GigabitEthernet0/0/1.10
172.30.12.130	013c.18a0.0c05.8f	Apr 13 2024 11:17 AM	Automatic	Active	GigabitEthernet0/0/1.20
172.30.12.131	0174.5d22.324a.75	Apr 13 2024 12:12 PM	Automatic	Active	GigabitEthernet0/0/1.20
172.30.13.2	0174.5d22.324a.75	Apr 13 2024 12:25 PM	Automatic	Active	GigabitEthernet0/0/1.40
172.30.13.130	0154.e1ad.acf0.e1	Apr 13 2024 12:18 PM	Automatic	Active	GigabitEthernet0/0/1.60

```

R1#Show running-config ! section dhcp
ip dhcp excluded-address 172.30.12.1
ip dhcp excluded-address 172.30.12.129
ip dhcp excluded-address 172.30.12.193
ip dhcp excluded-address 172.30.13.1
ip dhcp excluded-address 172.30.13.65
ip dhcp excluded-address 172.30.13.129
ip dhcp excluded-address 172.30.13.193
ip dhcp excluded-address 172.30.13.225
ip dhcp pool IT-VLAN-10
  network 172.30.12.0 255.255.255.128
  default-router 172.30.12.1
  domain-name TekkyInc-IT.com
ip dhcp pool CS-VLAN-20
  network 172.30.12.128 255.255.255.192
  default-router 172.30.12.129
  domain-name TekkyInc-CustomerSupport.com
ip dhcp pool SM-VLAN-30
  network 172.30.12.192 255.255.255.192
  default-router 172.30.12.193
  domain-name TekkyInc-SalesMarketing.com
ip dhcp pool SA-VLAN-40
  network 172.30.13.0 255.255.255.192
  default-router 172.30.13.1
  domain-name TekkyInc-SystemAdministrator.com
ip dhcp pool HR-and-Accounting-VLAN-50
  network 172.30.13.64 255.255.255.192
  default-router 172.30.13.65
  domain-name TekkyInc-HRAndAccounting.com
ip dhcp pool Purchasing-VLAN-60
  network 172.30.13.128 255.255.255.192
  default-router 172.30.13.129
  domain-name TekkyInc-Purchasing.com
ip dhcp pool Management-VLAN-70
  network 172.30.13.192 255.255.255.224
  default-router 172.30.13.193
  domain-name TekkyInc-Management.com
ip dhcp pool Legal-VLAN-80
  network 172.30.13.224 255.255.255.224
  default-router 172.30.13.225
  domain-name TekkyInc-Legal.com

```

R1#show ip dhcp server statistics

Memory usage	32678
Address pools	8
Database agents	0
Automatic bindings	5
Manual bindings	0
Expired bindings	0
Malformed messages	0
Secure arp entries	0
Renew messages	27
Workspace timeouts	0
Static routes	0
Relay bindings	0
Relay bindings active	0
Relay bindings terminated	0
Relay bindings selecting	0

Message	Received
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BOOTREQUEST	0
DHCPDISCOVER	9
DHCPREQUEST	38
DHCPDECLINE	0
DHCPRELEASE	0
DHCPINFORM	0
DHCPVENDOR	0
BOOTREPLY	0
DHCPOFFER	0
DHCPACK	0
DHCPNAK	0

Message	Sent
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BOOTREPLY	0
DHCPOFFER	9
DHCPACK	10
DHCPNAK	0

Message	Forwarded
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BOOTREQUEST	0
DHCPDISCOVER	0
DHCPREQUEST	0
DHCPDECLINE	0
DHCPRELEASE	0
DHCPINFORM	0
DHCPVENDOR	0
BOOTREPLY	0
DHCPOFFER	0
DHCPACK	0
DHCPNAK	0

DHCP-DPM Statistics

Offer notifications sent	0
Offer callbacks received	0
Classname requests sent	0
Classname callbacks received	0

Port Based Allocation Statistics

Discover MAC change	0
Request MAC change	0
Invalid binding in fwd req	0