## DHCPv4 Config

| | |
|---|---|
| exclude address from DHCP pool | `ip dhcp exclud-ed-address [IP] [IP]` |
| create DHCP pool | `ip dhcp pool [NAME]` |
| Pool Config; network address | `network [IP] [SNM]` |
| Pool Config; Default Router | `default-router [IP]` |
| Pool Config; DNS Server | `dns-server [IP]` |
| Relay Agent Config (on inerface) | `ip helper-address [IP` |
| activate DHCP (on interface) | `ip address dhcp` |

## DHCPv6 Config

| | |
|---|---|
| create DHCP pool | `ipv6 dhcp pool [NAME]` |
| Pool Config; set network | `address prefix [IP/SNM]` |
| Pool Config; DNS Server | `dns-server [IP]` |
| Pool Config; Domain Name | `domain-name [NAME]` |
| Provide a config flag (on interface) | `ipv6 nd [other/manag-ed]-config-flag` |
| Set created pool as resource (on interface) | `ipv6 dhcp server [NAME]` |
| Relay agent (on interface) | `ipv6 dhcp relay destination [IP] [INT]` |

## IPv6 Commands not working

| | |
|---|---|
| falls bei 'show sdm prefer' nur "default" steht, muss die IPv6 Unterstützung so aktiviert werden | `sdm prefer dual-ipv4-and-ipv6 default` **and** `do reload` |

## Verification

| | |
|---|---|
| Verify that the IP was received from DHCP | `show ip interface brief` |
| Verify DHCP bindings | `show ip dhcp binding` |
| Verify DHCP pool details | `show ip dhcp pool` |
| Examine DHCP messages | `show ip dhcp server statis-tics` |
| Acquire a new IP | `ipconfig /renew(6)` |
| Release an IP | `ipconfig /release(6)` |
| Verify by pinging other devices | `ping [IP]` |

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