

# Oracle Solaris 11.3 Network Administration Cheatsheet

This cheatsheet includes examples of common network administration commands. For complete details, see the [dladm\(1M\)](#), [ipadm\(1M\)](#), and [route\(1M\)](#) man pages.

## Commonly Used Network Administration Commands

**Note** - Some of following commands include parameters and values that are provided as examples *only*.

Action	Command
<b>Administering Profiles</b>	
List all of the network profiles on a system.	# <b>netadm list</b>
Switch to the fixed mode by enabling the DefaultFixed profile.	# <b>netadm enable -p ncp DefaultFixed</b>
<b>Administering Datalinks</b>	
Display all of the datalinks (physical and virtual) on a system.	# <b>dladm show-link</b>
Display all of the physical datalinks on a system.	# <b>dladm show-phys</b>
Display all of the properties for all of the datalinks on a system.	# <b>dladm show-linkprop</b>
Display all of the properties for a specific datalink on a system.	# <b>dladm show-linkprop net0</b>
Display a specific property for a specific datalink on a system.	# <b>dladm show-linkprop -p mtu net0</b>
<b>Administering IP Interfaces and Addresses</b>	
Display general information about a system's IP interfaces.	# <b>ipadm</b>
Display a system's IP interfaces and addresses.	# <b>ipadm show-addr</b>
Create an IP interface and then configure a static IPv4 address for that interface.	# <b>ipadm create-ip net0</b> # <b>ipadm create-addr -a 10.9.8.7/24 net0/addr</b>
Obtain an IP address from a DHCP server.	# <b>ipadm create-ip net0</b> # <b>ipadm create-addr -T dhcp net0/addr</b>
Create an auto-generated IPv6 address.	# <b>ipadm create-ip net0</b> # <b>ipadm create-addr -T addrconf net0/addr</b>
Change the netmask for an IP address object name (net3/v4) to 8.	# <b>ipadm set-addrprop -p prefixlen=8 net3/v4</b>
Configure a persistent default route for a system.	# <b>route -p add default 192.168.1.1</b>
Configure a persistent default route by specifying a name.	# <b>route -p add 9.9.9.9 3.3.3.9 -name route1</b> persistent: route add 9.9.9.9 3.3.3.9 -name route1
Configure a static route for a system.	# <b>route -p add -net 192.168.3.0 -gateway 192.168.1.1</b>
Configure a system's host name.	# <b>hostname hostname</b>
Set a system's domain name.	# <b>domainname name-of-domain</b>
<b>Administering Naming Services</b>	
Configure DNS for a system.	# <b>svccfg -s dns/client setprop config/</b> <b>nameserver=net_address: 192.168.1.1</b> # <b>svccfg -s dns/client setprop config/domain = astring:</b> <b>"myhost.org"</b> # <b>svccfg -s name-service/switch setprop config/host =</b> <b>astring: "files dns"</b> # <b>svcadm refresh name-service/switch</b> # <b>svcadm refresh dns/client</b> # <b>svcadm enable dns/client</b>