



LS SENSOR NETWORK CONFIGURATION

Summary

The LS sensor network function is controlled by the script */etc/rc.d/init.d/S20network*, which is disabled by default. Enabling the networking function configures a default network with the IP address and subnet mask 192.168.1.100/24.

This document describes changing network configuration for most normal installations.

Required Information

The following information is required for configuring a sensor network:

1. The sensor IP address.
2. Subnet mask, in variable length subnet mask format (VLSM).
 - The VLSM for a class C network is 24, and is equivalent to the notation 255.255.255.0
 - The VLSM for a class B network is 16, and is equivalent to the notation 255.255.0.0.
3. If a gateway required, obtain the gateway IP address from the local network administrator.

Configure the Network

To enable networking, login as a superuser and run the script *network_config*. The script will execute after making the last entry. See the following example.

```
Tuxvip: {~}# network_config
Enter IP Address [10.0.0.1]:
Enter Netmask [24]:
Enter Network Address [10.0.0.0]:
Enter Broadcast [10.0.0.255]:
Do you have a gateway address? [y/N]:
Enter Hostname [localhost]:
```

1. Login as a superuser.
2. Type the script name at the prompt: **network_config**<enter>
3. Enter the information as required, or press ENTER to accept the value shown.
4. Change the HOSTNAME as desired. Also add the <hostname> to */etc/hosts*:

```
HOSTNAME=<enter hostname without angle brackets>
```

5. Save the changes and quit the vi editor.
6. Add the hostname and IP address to */etc/hosts*:

```
# cd /etc
# vi hosts
```

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FOR TECHNICAL INFORMATION

Vaisala Inc.	Tel.	+011 520 806 7300
Tucson Operations	Fax:	+011 520 741 2848
2705 E. Medina Rd.	Toll free (US)1	888 424 9899
Tucson, AZ 85706-7155	USA	© Vaisala 2004