

How to Set the ARIS IP Address

Overview

The ARIS sonar normally acquires its IP address from a DHCP server or, if there is no DHCP server available, it auto-configures to a link local IP address (169.254.X.X). This is sufficient for many scenarios.

You may configure the ARIS to a static (pre-defined) IP address if you have a need to do so; however, for most installations this is unnecessary and discouraged.

This document addresses how to set a static IP address on the ARIS. It also addresses how to clear a static IP address after setting one.

You will need a utility like PuTTY (installed with ARIScope) or another ssh program to log in to the ARIS. Credentials to log in as root should be acquired from Sound Metrics.

Warning: setting incorrect values may make it very difficult to communicate with the ARIS.

Setting a Static IP Address

This procedure sets a static IPv4 address and subnet mask on your ARIS. You must set both values and you must cycle the ARIS' power after this procedure for the change to take effect. The subnet mask must match the mask used by other hosts on the network; only dot-decimal notation is supported.

1. PuTTY or ssh into your ARIS as root. The ARIS' current IP address may be found in ARIScope by hovering over your sonar's icon at the top.
2. Run this command at the Linux command prompt replacing **192.168.0.10** with the desired static IP address for your ARIS:

```
set_static_ip 192.168.0.10 255.255.0.0
```

You should see the following confirmation:

```
Edited OK. New contents:  
staticip=192.168.0.10  
subnetmask=255.255.0.0
```

Usage:

set_static_ip <192.168.0.255> <255.255.255.0>

Confirm that the value displayed is your desired static IP address and subnet mask. If it is not, run the **set_static_ip** command again with the correct IP address. The static IP does not take effect until the sonar reboots.

3. Power cycle the sonar.
4. Your sonar should become available at the new static IP address; this can be confirmed with ARIScope. Your computer's network interface needs to have an IP address on the same network as your ARIS in order for ARIScope to connect to the ARIS.

Clearing a Static IP Address

This procedure clears a static IP address and subnet mask on your ARIS. You must cycle the ARIS' power after this procedure for the change to take effect, at which time your ARIS will again acquire either a DHCP address or a link local IP address (169.254.X.X).

1. Make sure that your computer's network interface has an IP address on the same network as your sonar.
2. PuTTY or ssh into your ARIS as root. The ARIS' current IP address may be found in ARIScope by hovering over your sonar's icon at the top.
3. Run this command at the Linux command prompt.

clear_static_ip

4. Power cycle the sonar.