

IPsonar 6.0 QuickStart

Get started quickly by deploying a Lumeta IPsonar 6.0 virtual Report Server (RSN) on a VMware ESXi server. Then contact your Lumeta technical consultant to initiate the license-fulfillment process.

This deployment process assumes the following:

- 1. Use VMware vSphere as your client
- 2. Have 300GB of disk space on your VMware ESXi server
- 3. Have 16GB of memory on your VMware ESXi server
- 4. Know the IP, subnet mask, and gateway for your host

Download a Virtual RSN

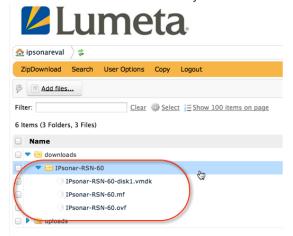
Lumeta provides the virtual RSN image on our SFTP support site. The virtual RSN image may also be installed from media. If installing from media such as a DVD, skip to Check Available Space.

Download the Virtual RSN image as follows:

- 1. Browse to https://sftp.lumeta.com.
- 2. Enter your credentials and click Login.

Contact us if you need this information or other login assistance.

3. Browse the Downloads directory for the virtual install directory for the IPsonar 6.0 release.



Check Available Space

If you don't have enough space on your virtual server, you'll need to reallocate resources (i.e., delete or stop them from running, or switch to another virtual machine that have more available resources)

- 1. Launch the VMware vSphere client.
- 2. Go to the Summary tab and view your disk space and memory.
- Ensure that your VMware host has resources to accommodate a virtual configured with 16GB RAM, a virtual CPU with 1 virtual socket and 2 cores per socket, and a 300GB virtual disk.

Deploy the Virtual RSN

Install the virtual RSN image to your EXSi server. In vSphere, that RSN image is referred to as the *OVF Template*.

- 1. On the File menu, select **Deploy OVF Template** and follow the onscreen prompts.
- 2. Step through the process of browsing to and then opening the OVF package you downloaded from Lumeta.
- 3. Click Next to accept and proceed through two pages of default options.
- 4. On the Name and Location page, you may rename your RSN or accept the default.
- 5. On the Disk Format page, select **Thick Provision Lazy Zeroes** and click Finish. The OVF package downloads. It should take approximately 4 minutes to complete. The virtual machine deploys, and you will soon see the name of your new virtual RSN displayed among the inventory of virtual machines listed on the left-hand side of your page.

Configure the Virtual RSN

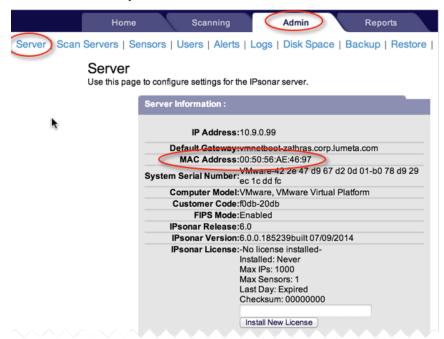
Set up the virtual RSN to operate on your networks.

- Right-click the name of your virtual RSN and from the Main Menu, click Power > Power On.
- Select the Console tab to ensure the RSN is booting. The boot completes and a Login prompt displays.

- 3. Log in as **serverconfig** and configure the network settings and other key features of IPsonar as follows:
 - Stop the IPsonar services (Option 62).
 - Set the date and time (Option 32).
 - Configure the interface options (Option 33).
 - Set an interface speed and indicate whether the RSN should respond to pings (Option 34)
 - OPTIONAL: Name the RSN (Option 37).
 - OPTIONAL: Configure the NTP server (Option 3262).
 - OPTIONAL: Set the common scan server and interval server password (Option 38).
- 4. Reboot the virtual RSN to activate this configuration (Option 72).

Install a License

- 1. Log in to IPsonar.
- 2. Contact your Lumeta technical consultant to request a license key. Provide the technical consultant with your virtual RSN's MAC Address.



Server Scan Servers | Sensors | Users | Alerts | Logs | Disk Space | Backup | Restore |

Server
Use this page to configure settings for the IPsonar server.

Server Information:

IP Address:10.9.0.99

Default Gateway:vmnetboot-zathras.corp.lumeta.com
MAC Address:00:50:56:AE:46:97

System Serial Number: VMware-42 2e 47 d9 67 d2 0d 01-b0 78 d9 29 ec 1c dd fc

Computer Model:VMware, VMware Virtual Platform
Customer Code:f0db-20db
FIPS Mode:Enabled
IPsonar Release:6.0

IPsonar Version:6.0.0.185239built 07/09/2014
IPsonar License:-No license installedInstalled: Never
Max IPs: 1000
Max Sensors: 1
Last Day: Expired
Checksum: 90000000

3. On the Admin > Server page, enter the license key you received from your technical

Congratulations! With this, your installation is complete and you are ready to use Lumeta IPsonar 6.0.

Log In to Lumeta IPsonar

Lumeta supports the two most-recent releases of the Chrome and Firefox browsers. Log in as follows:

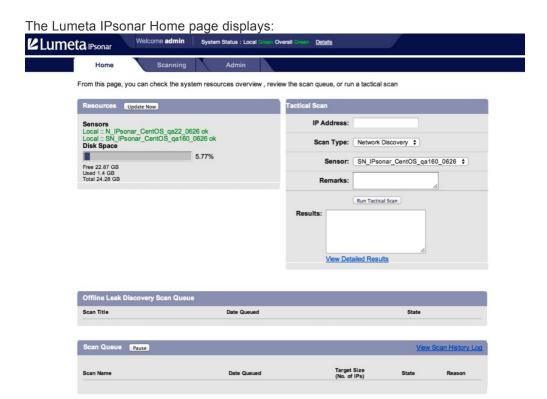
1. Using a supported browser, go to https:/<your IPsonar server>.



2. Enter your User Name and Password.

The default User Name is admin; the default Password is admin.

Authentication Required The server https://blue1:443 requires a username and password. The server says: IPsonar. User Name: admin Password: Cancel Log In



Congratulations! You've logged in successfully!

If for any reason you had trouble logging in, please contact <u>Lumeta Support</u> (support@lumeta.com) for assistance.

Perform a First Scan

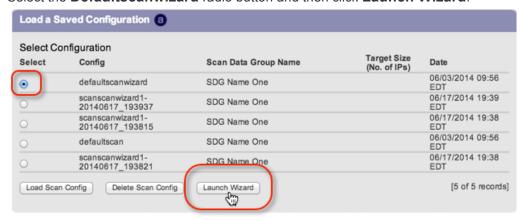
Use the Scan Wizard to experience your first scan as though it were magic. The Scan Wizard is a tool that queries your network for information and applies optimal general scan configuration settings. It is designed to remove hurdles, enabling you to generate scan results quickly.

The Scan Wizard integrates the following characteristics:

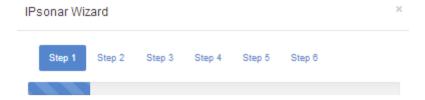
- Network Discovery has been enabled (config attribute networkDiscovery).
- The option to skip BGP router has been disabled (snmpscanskipBgpRouters).
- The option to perform Network Discovery (ND) looping has been enabled (snmpScanLoop).
- The option to perform SNMP stitch has been disabled (snmpStitch).

When you complete the steps of the Scan Wizard, you'll have a saved scan configuration file with the filename scanwizard1-yyyymmdd_hhmmss.cfg. Scanning will begin immediately with the newly-created Scan Wizard file running in conjunction with the defaultreport report configuration file.

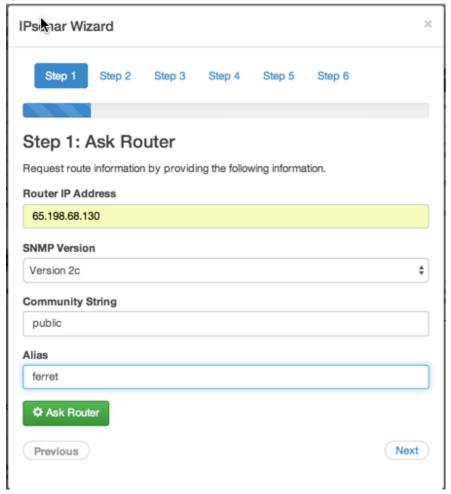
- 1. At the top of any page, click **Admin > Scanning.**
- Select the Defaultscanwizard radio button and then click Launch Wizard.



3. Although you'll progress through the steps in order, this screen provides flexibility to complete or revisit any step in the process.



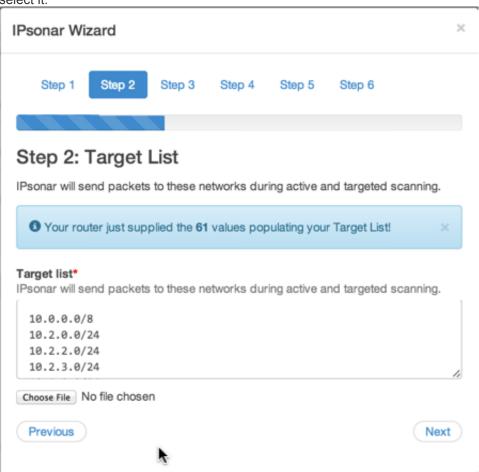
4. In this Scan Wizard first step, we ask one router on your network to disclose the information it has stored in its route tables. Authenticate to the router by completing the form.



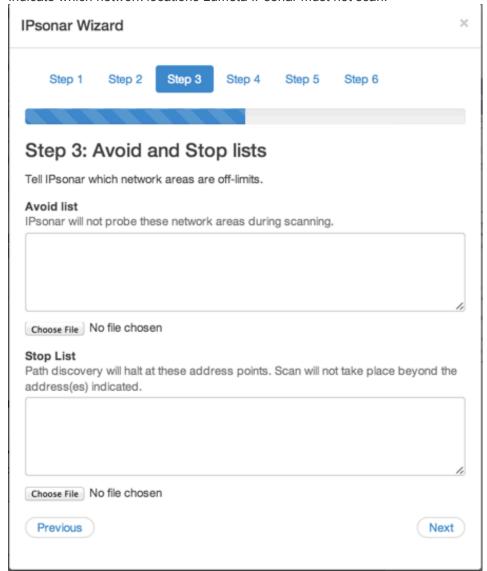
5. Indicate which IPs Lumeta IPsonar must target during the scan. The Target list governs where IPsonar sends packets during active and targeted discovery.

Notice that the router you queried in Step 1 has already populated the Target list in Step 2.

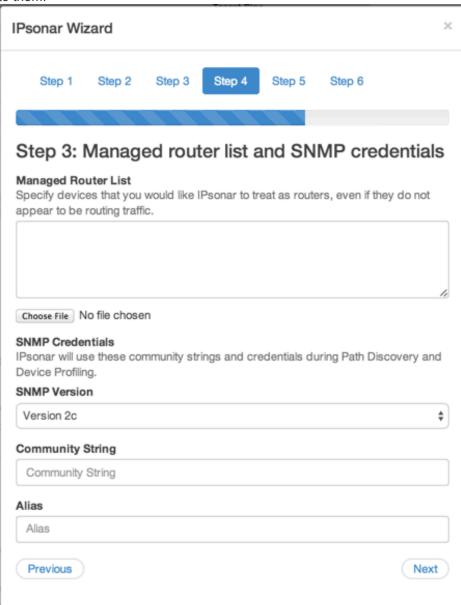
To avoid typing, you can append to the content in the Target box by uploading a CSV-formatted file of IP address ranges. Click Choose File to browse to your CSV file and then select it.



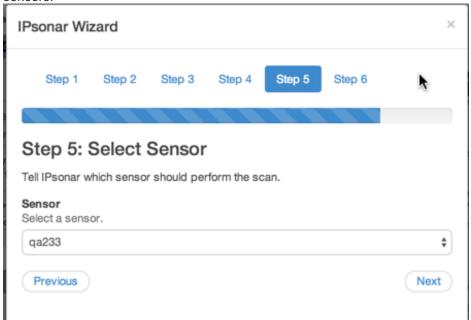
6. Indicate which network locations Lumeta IPsonar must not scan.



7. Tell IPsonar which routers you manage and provide SNMP with authentication information to them.

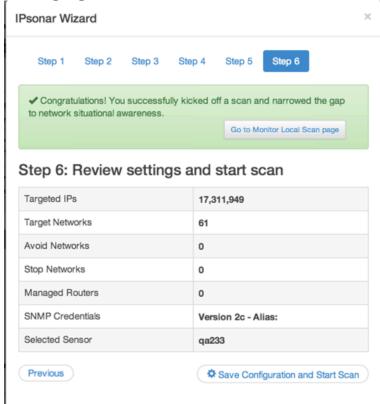


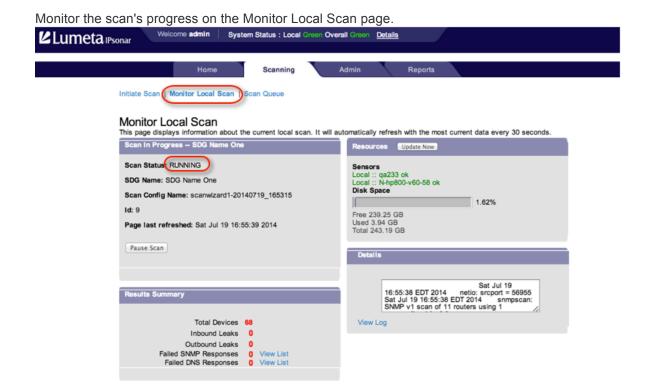
8. Tell IPsonar which sensor should perform the scan. You can select from all available sensors.



9. Review settings and start the scan. **IPsonar Wizard** Step 3 Step 4 Step 5 Step 6 Step 1 Step 2 Step 6: Review settings and start scan Targeted IPs 17,311,949 Target Networks 61 Avoid Networks 0 Stop Networks Managed Routers 0 SNMP Credentials Version 2c - Alias: Selected Sensor qa233 Previous Save Configuration and Start Scan

10. Scanning begins.





You have completed your first scan successfully!

To learn how to read and interpret the results generated by this first scan, refer to the Review Your Scan Report page in All Things IPsonar.