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This technical reference describes customization options that are available for network maps generated by LANsurveyor.

2 Customizing LANsurveyor Maps

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Introduction

LANSurveyor can easily diagram networks of any size. However, if you are mapping a large network, you may encounter some challenges when viewing your entire network map on your computer. This Technical Reference provides some guidance in customizing your LANSurveyor diagram to best meet your network mapping needs.

Customizing Large Network Maps






LANSurveyor maps of large networks can be difficult to view fully at first, due to the great number of network devices that are discovered and mapped. The following sections present some options for managing larger network diagram in LANSurveyor

Selecting Mapped Devices

It may not be necessary to view all devices on your network map at all times. LANSurveyor makes it easy to customize your maps to show only the devices you need to see. The following procedure provides the steps required to select specific devices for display on a LANSurveyor network map.

Note: Before proceeding, you should already have a map of your network open.

To customize your network map:

1. In the left navigation pane, click appropriate device types to confirm that all devices you want to map were discovered and mapped.
2. Select the level of the network devices you want to map, as described in the following:
 - **If you only want to show routers and network segments (Level 1) on your map,** click  in the LANSurveyor toolbar.
 - **If you only want to show network segments, routers, and switches (Level 2) on your map,** click  in the LANSurveyor toolbar.
 - **If you want to show all discovered network devices (Level 3) on your map,** click  in the LANSurveyor toolbar.
- Note:** If LANSurveyor discovers over 300 routers on your network, the map displays in Level 1, by default. You can change the level defaults for your map on the Levels tab of the LANSurveyor Options window. To access the LANSurveyor Options window, click **Tools > Options**.
3. **If your map shows only routers and managed switches (Level 1) but you want to show existing sub-levels for a specific router or managed switch,** select the specific router or managed switch on your map, and then click  in the LANSurveyor toolbar.
4. **If your map currently shows multiple levels of network devices, but you want to hide existing sub-levels for a specific router or managed switch,** select the specific router or managed switch on your map, and then click  in the LANSurveyor toolbar.
5. **If your network map still displays too many nodes,** right-click any router or managed switch, and then click **Focus in New Window**. This action allows you to isolate a specific device and see its network connections in a separate map window.

Note: The new map window retains all options to print, export to Microsoft Visio, and view Level 1, 2, and 3 displays, as available for the original map.

Changing the Map Zoom Percentage

LANSurveyor provides a zoom percentage menu in the toolbar. To change the zoom level of your map, select the desired zoom percentage from the toolbar menu and your map immediately zooms in or out on the current center.

Customizing Map Properties

LANSurveyor network maps are highly customizable. The following procedure serves as a guide to the customization options available in LANSurveyor.

Notes:

- Before proceeding, you should already have a map of your network open.
- Some drawing options cause the map to be redrawn, so use these options immediately after you build a new map and prior to making customizations that you want to preserve. When drawing options are altered, the positions of map objects may change.

To customize LANSurveyor map properties:

1. Click **Tools > Map Properties**.
2. Click the Map Properties tab.
3. **If you want to change the layout of your map**, select one of the following styles from the Layout Style menu in the Map Layout Area:
 - **Hierarchical** is the default style. It draws nodes and network segments along a linear axis, and it is the most common layout style for representing network hierarchies.
 - **Circular** maps draw nodes and network segments using circular patterns, grouping nodes around their connected network segments.
 - **Symmetrical** maps draw nodes and network segments using geometric patterns that match top to bottom and left to right.

Warning: Switching between layout styles for an existing network map causes LANSurveyor to significantly reorganize map contents. Any node position changes you have made previously will be lost.
4. **If you want to adjust the amount of space, or padding, around map objects and between network levels on hierarchical maps**, set the following options in the Map Spacing area:
 - **Between Nodes** adjusts the space between the map objects, where a higher number corresponds to more space between nodes.
 - **Between Levels** adjusts the space between network segments, where a higher number corresponds to more space between nodes.
5. **If you want to provide a custom background image for your map (i.e. a floor plan, logo, or any other image)**, click **Browse**, select the image file you want to use as your background, and then select **Center**, **Stretch**, or **Tile** to designate the background image position.
6. **If you want to change the provided labels for devices on your map**, click the Map Labels tab, and then check the label types you want to include. Select a label name and then click the appropriate arrow to reorder labels.

Note: LANSurveyor maps include node labels to help you understand which node you are viewing. By default, LANSurveyor displays the node name, fully qualified domain name, and IP address on the map.

Using Continuous Scan

LANSurveyor map generation creates very little network overhead, so Continuous Scan is enabled by default. To get the most accurate maps possible, allow LANSurveyor to conduct multiple network discoveries using Continuous Scan to update your map during periods of normal network activity.

Note: LANSurveyor gathers information from active routers and switches on your network. If your network or any of its devices is inactive at the time of network discovery, LANSurveyor is unable to determine the full connectivity details for these devices.