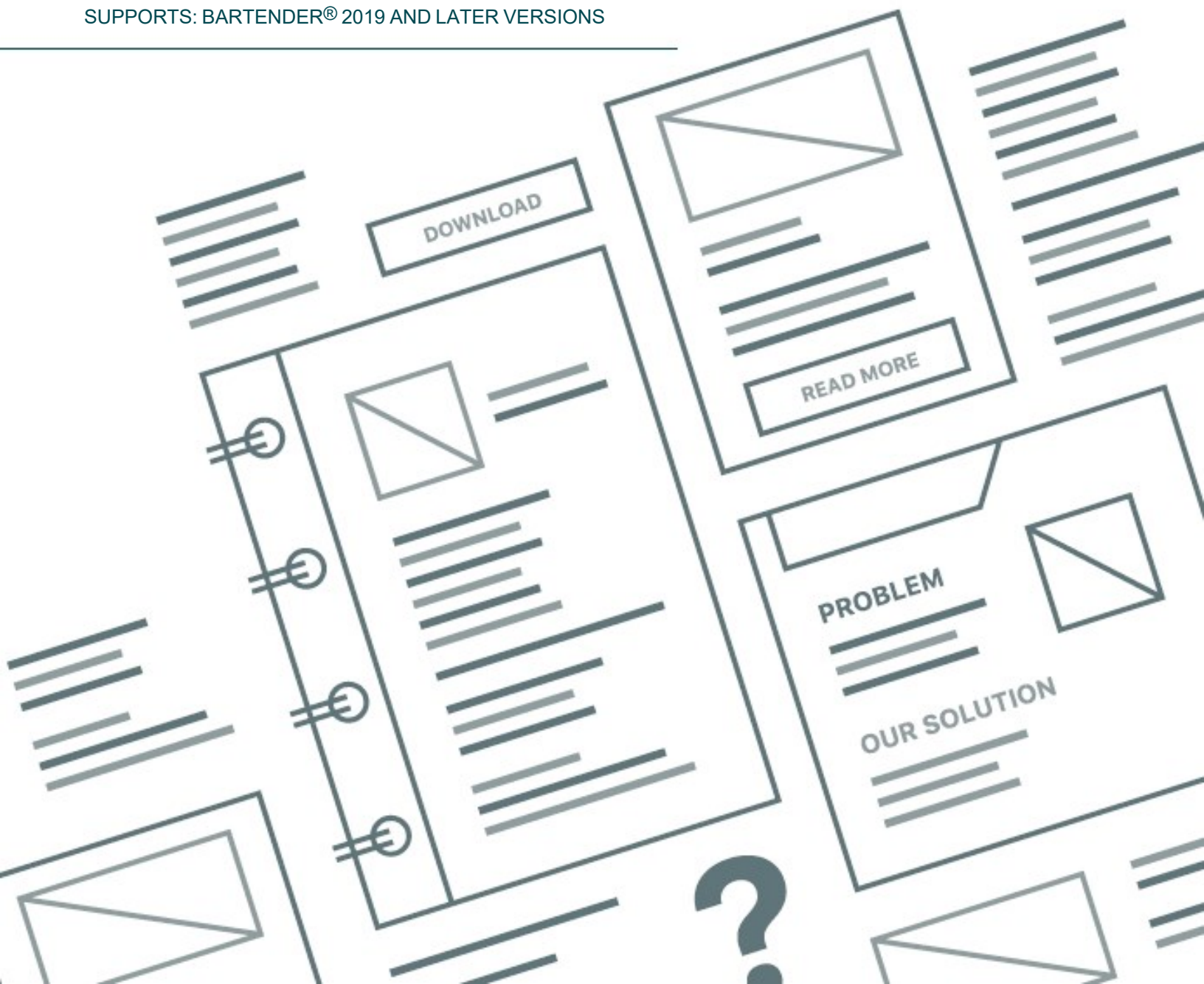


Printer Maestro

TRUE ENTERPRISE PRINT MANAGEMENT
FOR WINDOWS

SUPPORTS: BARTENDER[®] 2019 AND LATER VERSIONS



Contents

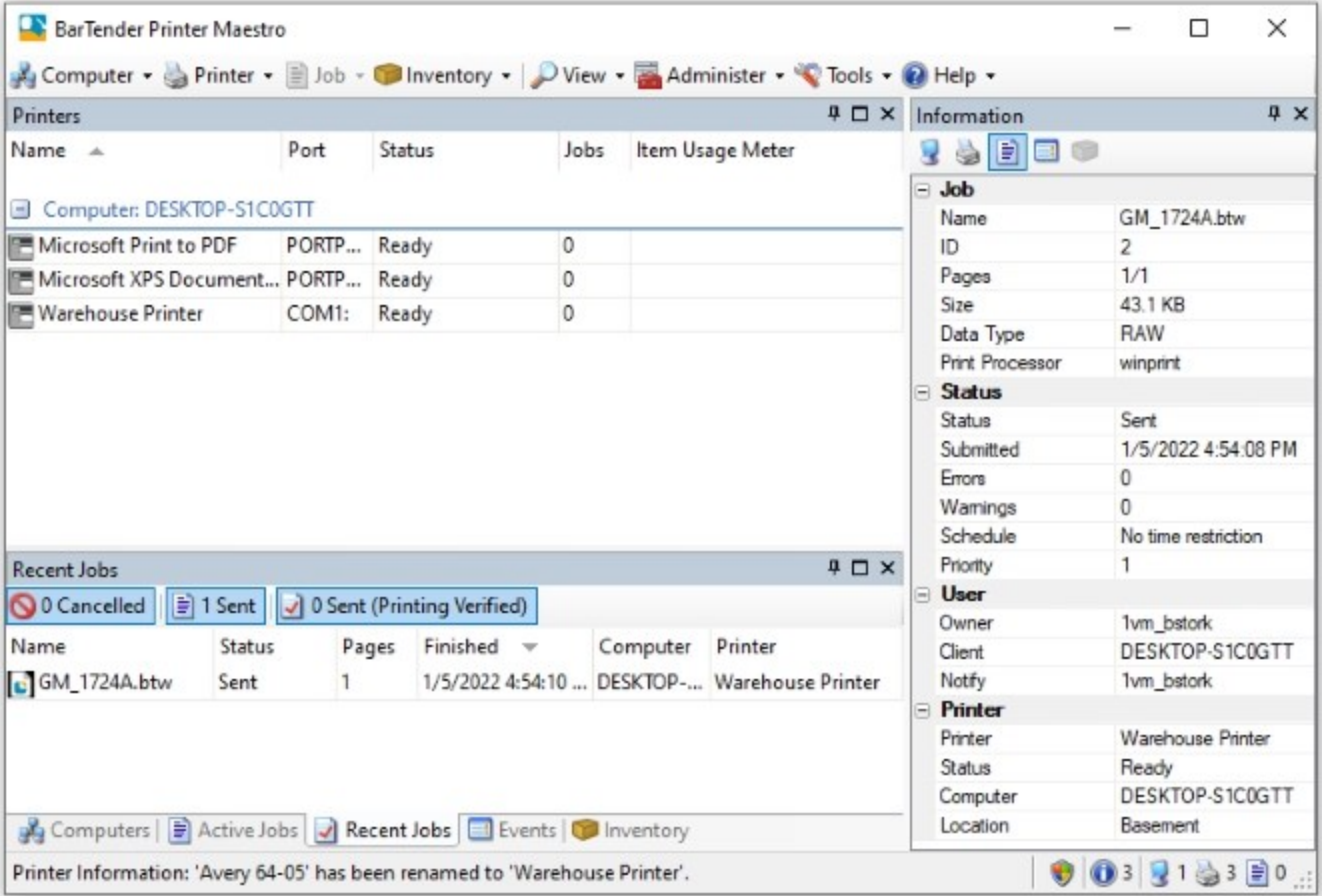
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Overview

Printer Maestro provides a convenient way for you to monitor the printers and print jobs on your network and to track your printing-related inventory items, such as toner, labels, print heads and memory. You can configure Printer Maestro to send you notifications via email, instant message or text message for a variety of events, including printer errors or warnings and inventory use thresholds.

Printer Maestro can use an existing Microsoft SQL Server server to store its data, or you can configure it to use a distributed database that requires no additional software.

Printer Maestro is supported by the Enterprise edition of BarTender.



Printers

| Name | Port | Status | Jobs | Item Usage Meter |
|---------------------------|----------|--------|------|------------------|
| Computer: DESKTOP-S1C0GTT | | | | |
| Microsoft Print to PDF | PORTP... | Ready | 0 | |
| Microsoft XPS Document... | PORTP... | Ready | 0 | |
| Warehouse Printer | COM1: | Ready | 0 | |

Recent Jobs

0 Cancelled | 1 Sent | 0 Sent (Printing Verified)

| Name | Status | Pages | Finished | Computer | Printer |
|--------------|--------|-------|----------------------|-------------|-------------------|
| GM_1724A.btw | Sent | 1 | 1/5/2022 4:54:10 ... | DESKTOP-... | Warehouse Printer |

Information

Job

| | |
|-----------------|--------------|
| Name | GM_1724A.btw |
| ID | 2 |
| Pages | 1/1 |
| Size | 43.1 KB |
| Data Type | RAW |
| Print Processor | winprint |

Status

| | |
|-----------|---------------------|
| Status | Sent |
| Submitted | 1/5/2022 4:54:08 PM |
| Errors | 0 |
| Warnings | 0 |
| Schedule | No time restriction |
| Priority | 1 |

User

| | |
|--------|-----------------|
| Owner | 1vm_bstork |
| Client | DESKTOP-S1C0GTT |
| Notify | 1vm_bstork |

Printer

| | |
|----------|-------------------|
| Printer | Warehouse Printer |
| Status | Ready |
| Computer | DESKTOP-S1C0GTT |
| Location | Basement |

Printer Information: 'Avery 64-05' has been renamed to 'Warehouse Printer'.

Printer Maestro Service

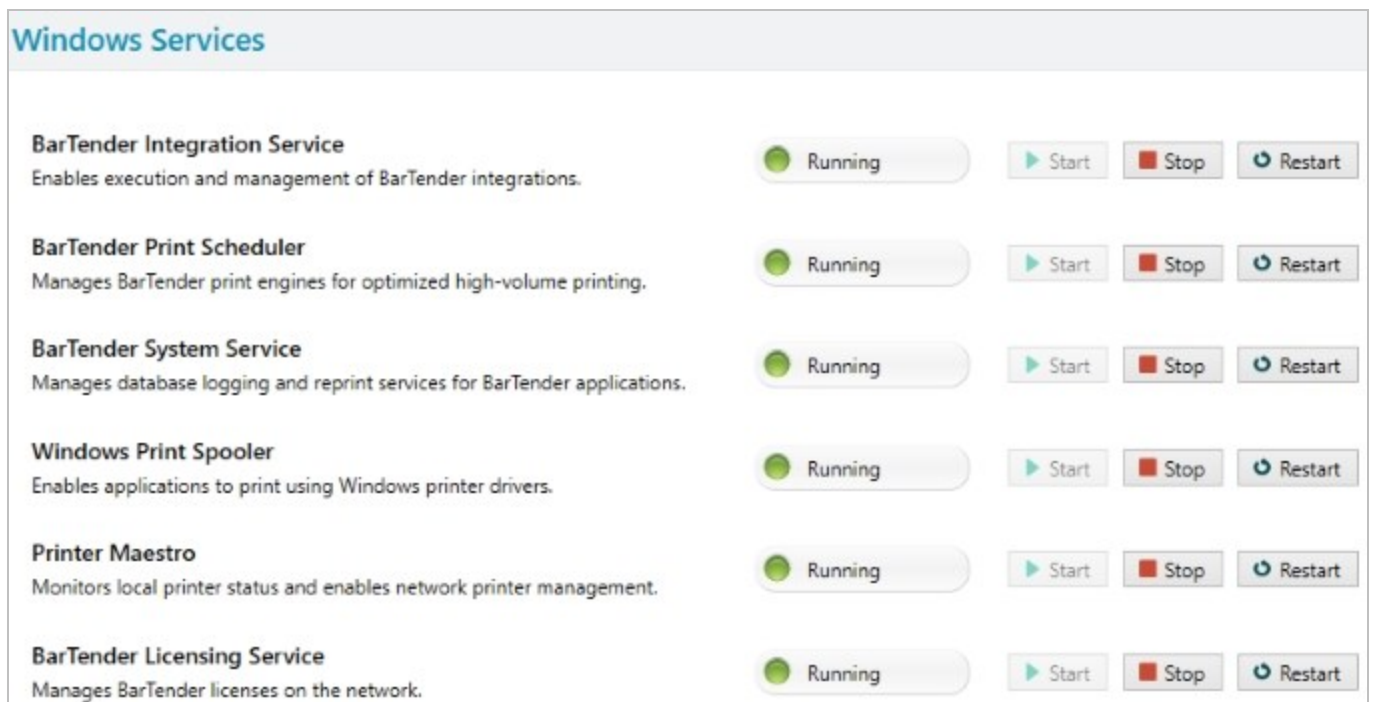
The Printer Maestro Service is a Windows service that is installed automatically when BarTender is installed. The Printer Maestro Service monitors the printers on your network, collecting information about printer status, print jobs, and printer-related inventory items. It reports this information to any installed copies of the Printer Maestro application that are running on the network.



A *service* is a program that runs invisibly in the background on a computer at all times, even when no one is logged on. Services can perform many different kinds of functions and are often used to add low-level communication and data access capabilities to one or more programs.

Managing the Printer Maestro Service

It is seldom necessary to manage the Printer Maestro Service, and any management is typically done by a system administrator or other IT personnel. However, when it is necessary, you can use the **Windows Services** page in Administration Console to start, stop or restart the Printer Maestro Service.

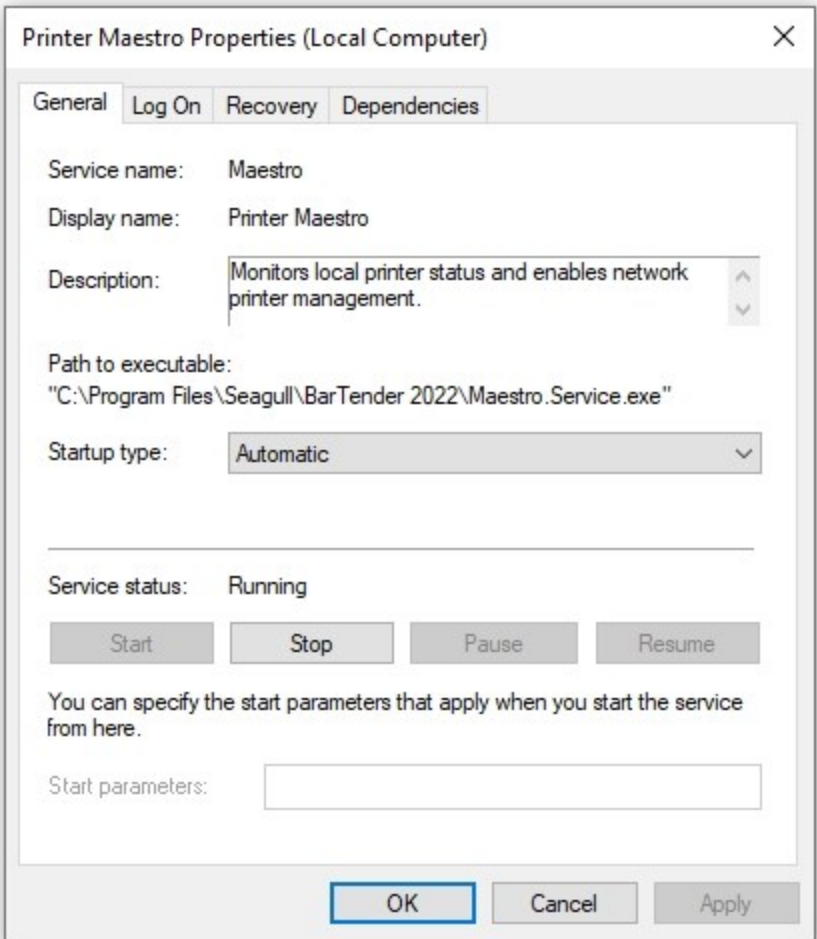


The screenshot shows the Windows Services console with the following services listed:

| Service Name | Description | Status | Start | Stop | Restart |
|-------------------------------|---|---------|-------|------|---------|
| BarTender Integration Service | Enables execution and management of BarTender integrations. | Running | Start | Stop | Restart |
| BarTender Print Scheduler | Manages BarTender print engines for optimized high-volume printing. | Running | Start | Stop | Restart |
| BarTender System Service | Manages database logging and reprint services for BarTender applications. | Running | Start | Stop | Restart |
| Windows Print Spooler | Enables applications to print using Windows printer drivers. | Running | Start | Stop | Restart |
| Printer Maestro | Monitors local printer status and enables network printer management. | Running | Start | Stop | Restart |
| BarTender Licensing Service | Manages BarTender licenses on the network. | Running | Start | Stop | Restart |

When you need to configure other service management settings for the Printer Maestro service, you can do so by using the Services tool in Windows.

To do this, run the Services tool in Windows, right-click the Printer Maestro service, and then click **Properties** to open the **Printer Maestro Properties** dialog.



Using Printer Maestro

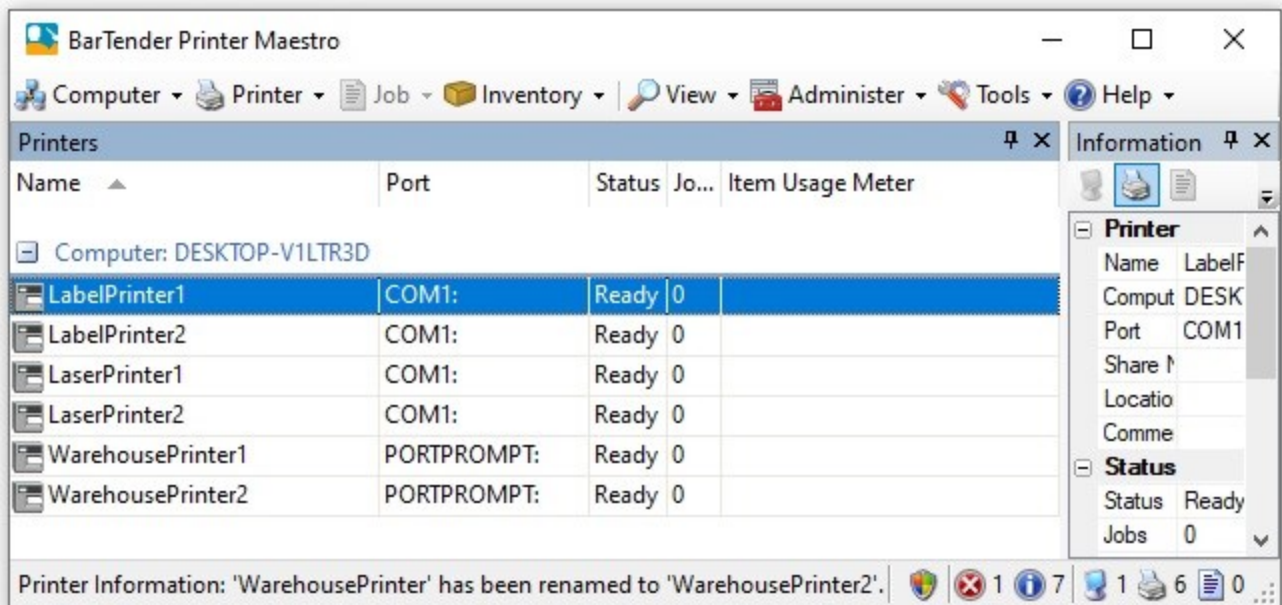
The main functions of Printer Maestro are to monitor printers and print jobs in your network and to track printing-related inventory items. You can manage any printer that is installed on a computer that is running the Printer Maestro Service. The printer driver for each printer needs to be installed only on the client computer.

Each pane in the Printer Maestro main user interface displays detailed data about the devices in your network. By using the tabs at the bottom of the window, you can easily switch between views for computers, print jobs, events or printer inventory in your printing environment.

Printers Pane

The **Printers** pane displays all of the printers in the network that are running on computers that have the Printer Maestro Service installed.

The printers in the **Printers** pane are organized by computer or print server. Right-click a printer to pause and restart printing, access the driver, rename or delete the printer, print test pages, open the printer's **Properties** dialog, and so on.



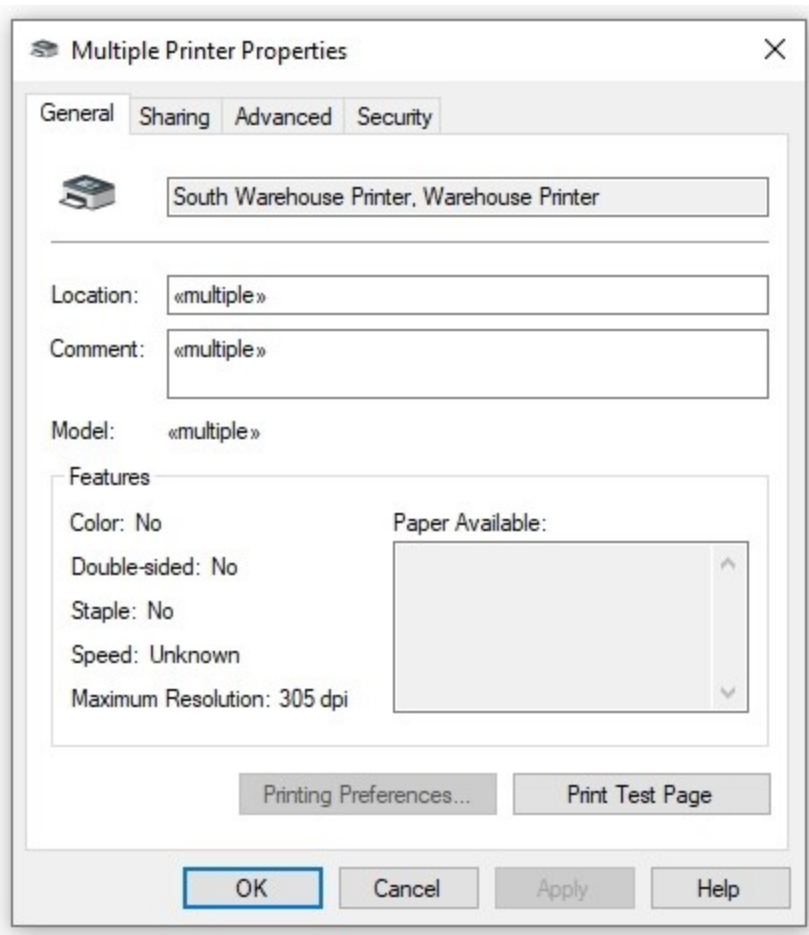
Printer Maestro uses the standard Windows security structure. If Windows does not allow a particular user to view and/or manage a printer's settings on another computer, then Printer Maestro does not allow it either.

Configuring Multiple Printers at One Time

When you use Windows to configure printers, you change printer settings by individually configuring the settings one printer at a time in each printer's **Properties** dialog.

When you use Printer Maestro, this process is still necessary when you configure printer settings that are unique to a particular printer. However, some printer driver settings are shared by many printers in common, and Printer Maestro takes advantage of this fact so that you can configure multiple printers at the same time.

To do this, in the **Printers** pane, select every printer whose settings you want to modify. Right-click one of the selected printers, and then click **Properties** to open the **Multiple Printer Properties** dialog. Use this dialog to configure settings that are shared among the selected printers, such as security, print schedule and spooler settings.



For more information, refer to the [Printer Properties Dialog](#) topic in the BarTender help system.

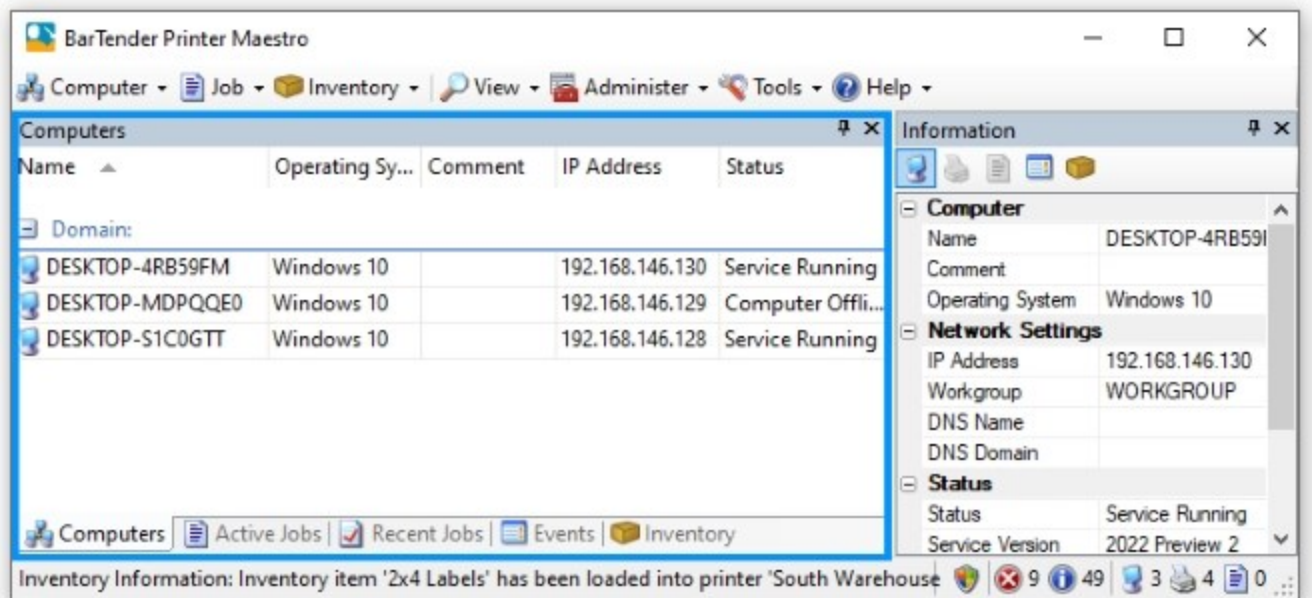
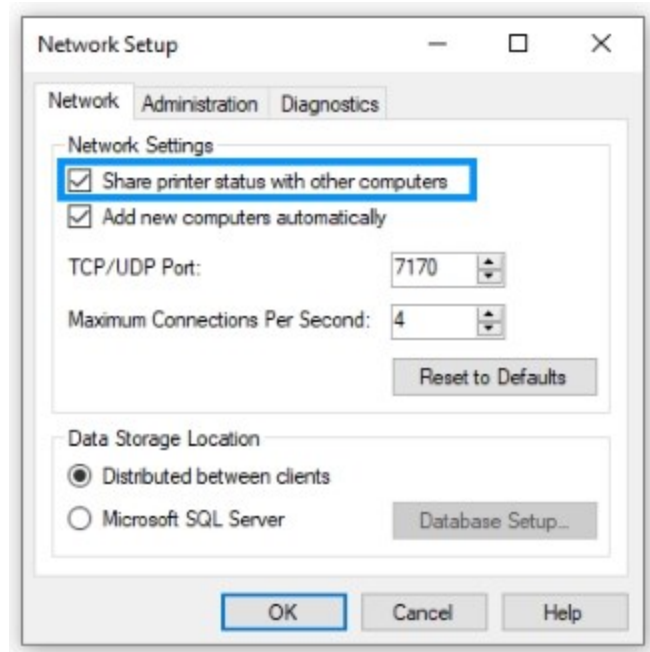
Information Pane

Next to the **Printers** pane on the right side of the Printer Maestro window, the **Information** pane shows additional details about the computer, printer, print job, event or inventory item that is selected in one of the other panes.

Computers Pane

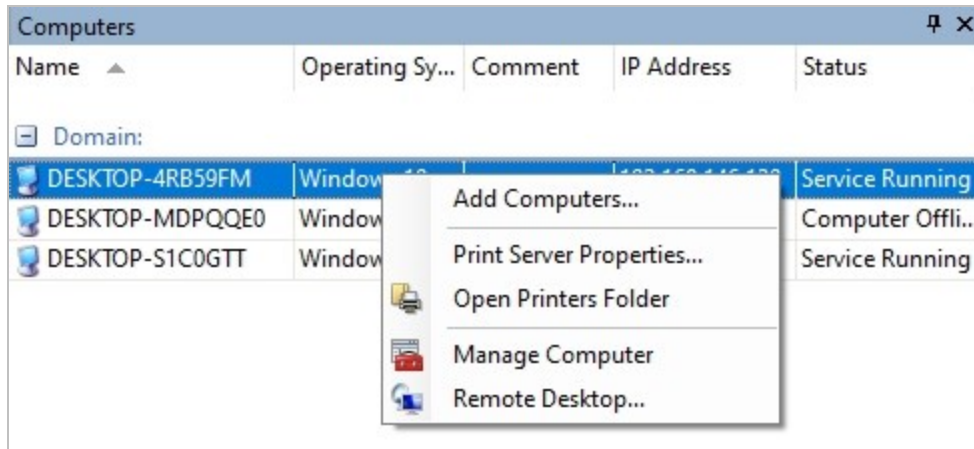
Click the **Computers** tab to display the **Computers** pane, which provides a network-wide view of computers that are running the Printer Maestro Service and that have been configured to share their printer status by using the Printer Maestro **Network Setup** dialog.

The **Computers** pane displays detailed information about each computer and provides options for you to change the settings for those computers (when the appropriate security permissions are set). This pane combines the list of network domains and domain members into a single view.



To see more information about a computer, select the computer, and then view the information in the **Information** pane.

To view and configure settings for the computer, right-click the computer, and then click **Manage Computer** to open the Windows **Computer Management** dialog.



Operating Within Windows Security Settings

Some users might be concerned about security issues that might arise when the configuration details of computers on a network are displayed. To evaluate the security risk that such a display represents, consider the following factors:

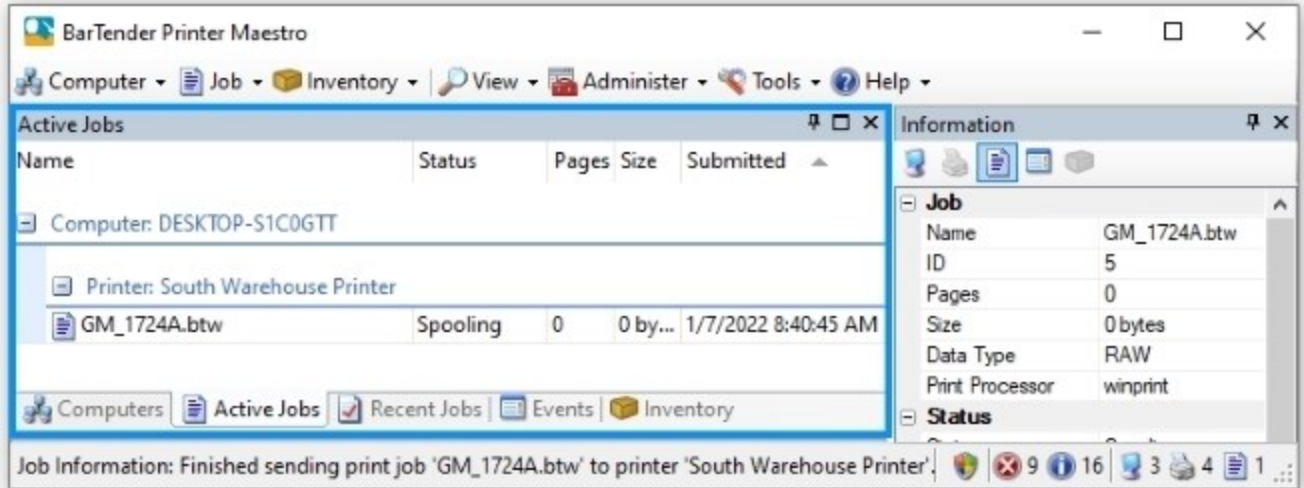
- Printer Maestro uses the same Computer Management tool to view the configuration of remote computers that Windows already provides. Printer Maestro only makes the tool easier to run for multiple computers.
- Printer Maestro never bypasses the standard Windows security settings and domain control services on a network. If Windows does not allow a particular user to view and/or manage the settings on a remote computer, then Printer Maestro does not allow it either.
- Although you might be able to view, stop and start Windows services on remote computers if you have the appropriate network permissions, you cannot add or delete services unless you are working on the same computer.

If your network security configuration allows it, Printer Maestro makes it easy to view and possibly change settings on remote computers. Therefore, your IT manager must understand and correctly configure your network security settings.

Active Jobs Pane

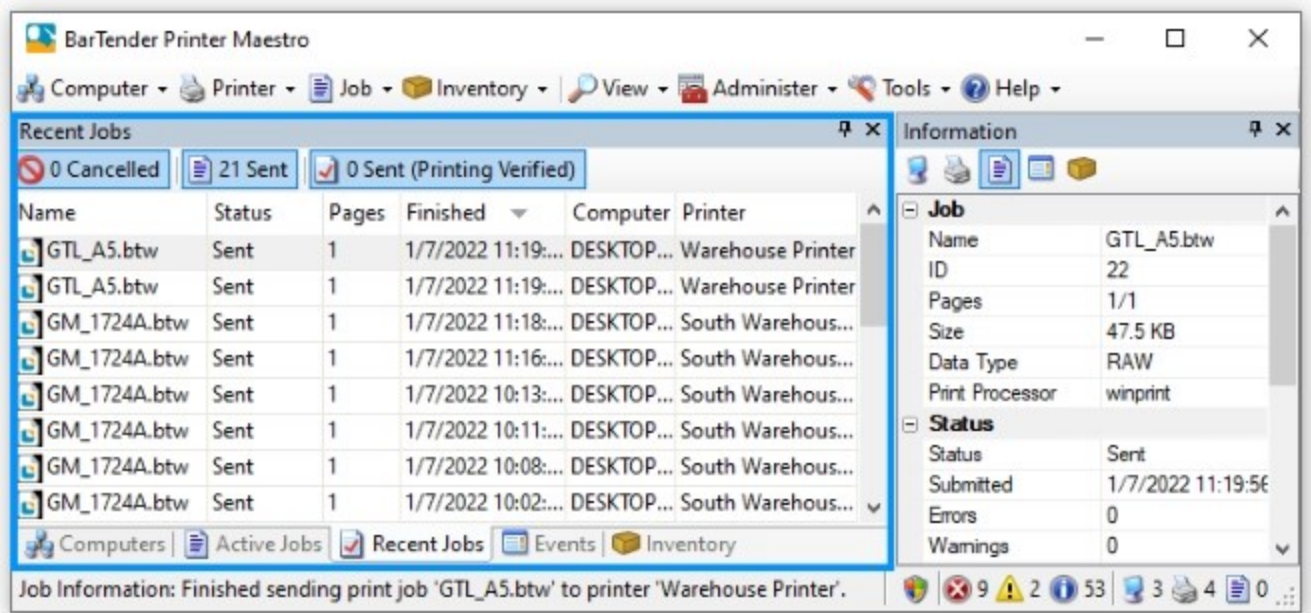
Click the **Active Jobs** tab to display the **Active Jobs** pane, which displays all of the print jobs on the network that are currently in progress. This pane is dynamic, which means that rows of data appear and disappear during the course of a normal business day as print jobs start, run, and finish.

For example, when no network print jobs are in progress, the **Active Jobs** pane is empty. Then, as various print jobs become active, the associated computers and printers are displayed in the pane for the duration of each job. If multiple jobs are queued for a single printer, they are listed in the order in which they were submitted. When a printer is done processing its jobs, that printer is removed from the **Active Jobs** pane.



Recent Jobs Pane

Click the **Recent Jobs** tab to display the **Recent Jobs** pane, which you can use to view your recently completed or cancelled jobs. The list of recent print jobs gets longer as more jobs are completed, but you can set a limit on the number of jobs that are shown in the list (the default is 100). When that limit is reached, the oldest jobs are dropped from the list as new jobs are added.



To reprint a recent print job, right-click the job, and then click **Reprint**.

| Name | Status | Pages | Finished | Computer | Printer |
|--------------|--------|-------|--------------------|------------|--------------------|
| GTL_A5.btw | Sent | 1 | 1/7/2022 11:10:... | DESKTOP... | Warehouse Printer |
| GTL_A5.btw | Sent | 1 | | | Warehouse Printer |
| GM_1724A.btw | Sent | 1 | | | South Warehouse... |
| GM_1724A.btw | Sent | 1 | 1/7/2022 11:16:... | DESKTOP... | South Warehouse... |
| GM_1724A.btw | Sent | 1 | 1/7/2022 10:13:... | DESKTOP... | South Warehouse... |
| GM_1724A.btw | Sent | 1 | 1/7/2022 10:11:... | DESKTOP... | South Warehouse... |

Events Pane

Click the **Events** tab to display the **Events** pane, which you can use to view errors, warnings and informational messages about the events that occur in Printer Maestro and to immediately see any problems. An event is a change in the status of any of the following:

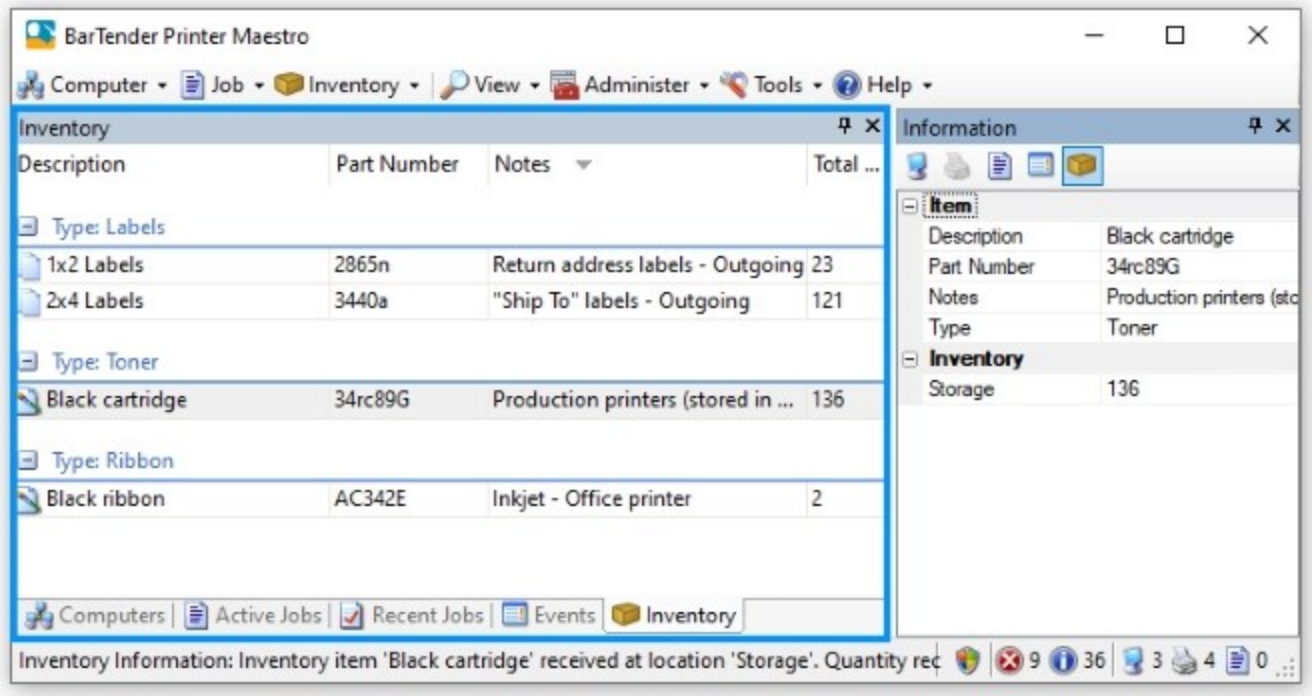
- A printer
- A print job
- A computer
- The inventory level of printer-related items
- The Printer Maestro database

| Message | Time | Cate... | Com... | Printer |
|--|------------------|----------|---------|---------|
| Finished sending print job 'GTL_A5.btw' to ... | 1/7/2022 11:1... | Job | DESK... | Ware... |
| Finished sending print job 'GTL_A5.btw' to ... | 1/7/2022 11:1... | Job | DESK... | Ware... |
| Finished sending print job 'GM_1724A.btw' ... | 1/7/2022 11:1... | Job | DESK... | Sout... |
| Finished sending print job 'GM_1724A.btw' ... | 1/7/2022 11:1... | Job | DESK... | Sout... |
| Inventory item '2x4 Labels' has been load... | 1/7/2022 10:1... | Inven... | DESK... | Sout... |
| Inventory item '2x4 Labels' used from locat... | 1/7/2022 10:1... | Inven... | DESK... | |
| Finished sending print job 'GM_1724A.btw' ... | 1/7/2022 10:1... | Job | DESK... | Sout... |
| Finished sending print job 'GM_1724A.btw' ... | 1/7/2022 10:1... | Job | DESK... | Sout... |

| Event | |
|----------|---------------------|
| Message | 'Avery 64-05' has b |
| ID | 110 |
| Time | 1/5/2022 4:53:24 |
| Severity | Information |
| Category | Printer |
| Computer | |
| Name | DESKTOP-S1C0G |
| Printer | |
| Name | Avery 64-05 |
| Port | COM1: |
| Location | |

Inventory Pane

Click the **Inventory** tab to view the **Inventory** pane, which lists the hardware and inventory levels for printers on your network that Printer Maestro is configured to track. This pane also displays any notifications about your inventory levels.

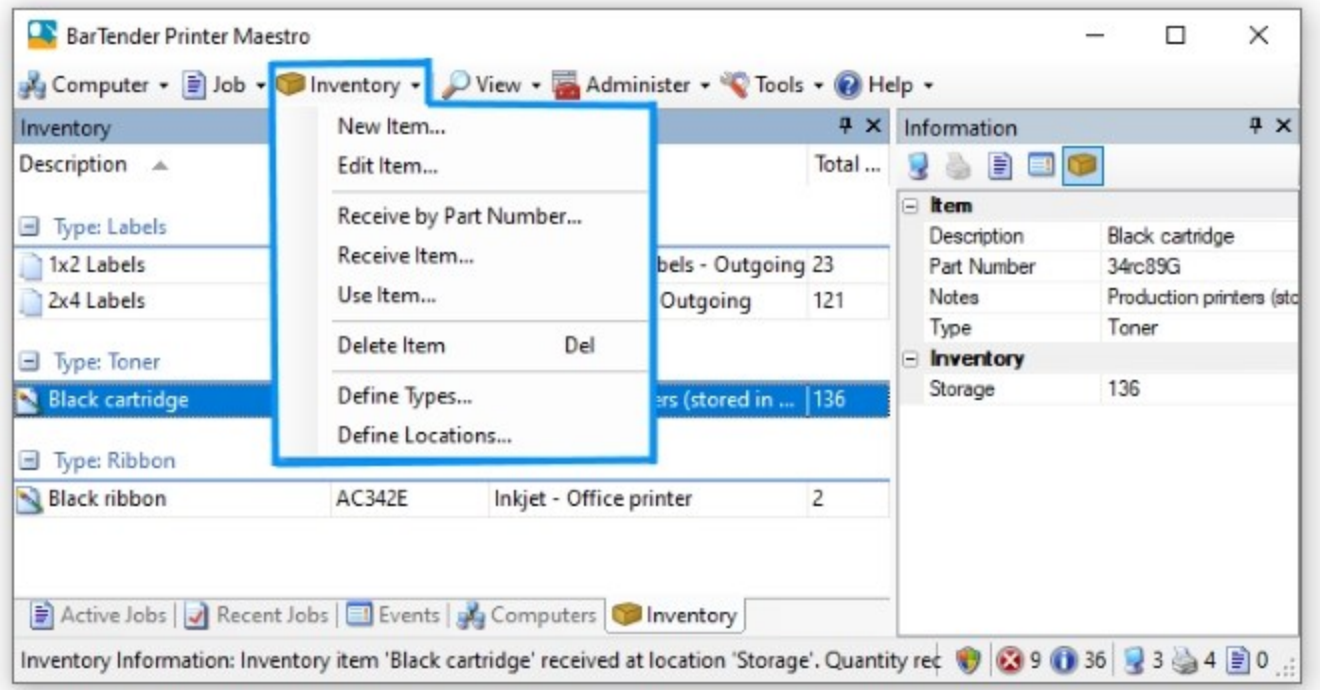


For more information about how to configure Printer Maestro to track inventory items, refer to the [Printer Media Usage and Parts Inventory Tracking](#) chapter of this technical document.

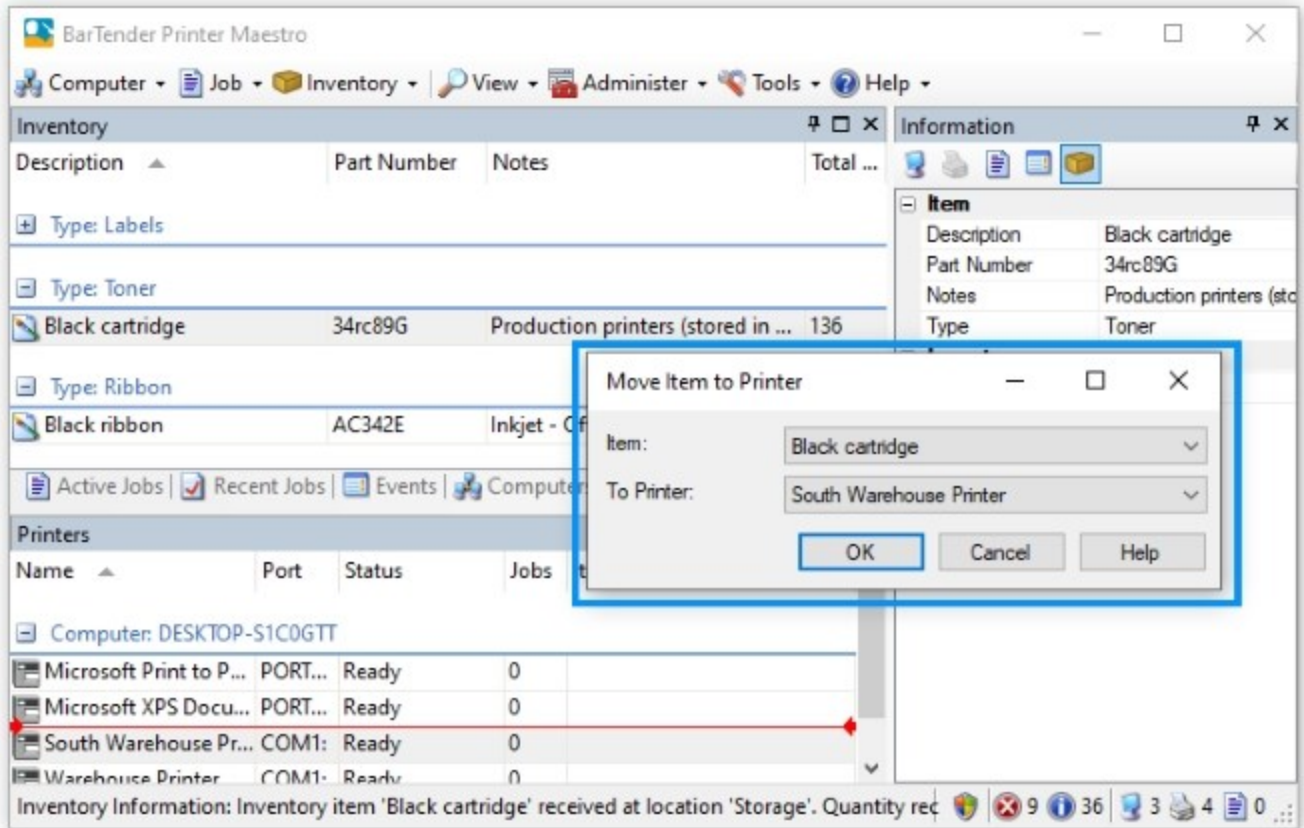
Printer Media Usage and Parts Inventory Tracking

By using Printer Maestro, you can track the usage of printer media (such as ribbons and labels) and the inventory of printer parts (such as print heads, memory, and font cartridges).

Printer Maestro's **Inventory** menu includes options to configure new media and printer part types, configure individual media and parts within those types, save inventoried items to specified locations, receive inventory and more. Created items are subsequently listed in the **Inventory** pane, and you can select an item in the **Inventory** pane to view details about it in the **Information** pane.



After you create a media item and define its usage parameters, you can attach it to a printer by dragging the item from the **Inventory** pane to the printer that you want in the **Printers** pane.



You can then monitor usage levels for that printer by using the **Item Usage Meter** feature in the Printer Maestro interface.

| Printers | | | | | |
|---------------------------|----------|--------|------|--|-----|
| Name | Port | Status | Jobs | Item Usage Meter | |
| Computer: DESKTOP-S1C0GTT | | | | | |
| Microsoft Print to PDF | PORTP... | Ready | 0 | | |
| Microsoft XPS Docu... | PORTP... | Ready | 0 | | |
| South Warehouse Pri... | COM1: | Ready | 0 | <div style="width: 34%; background-color: #00FF00;"></div> | 34% |
| Warehouse Printer | COM1: | Ready | 0 | | |

Use the **Alerts** feature together with inventory tracking to receive a text message or email message when a printer is running low on ink, ribbon viability or media, or when inventory is reaching low levels and needs to be reordered. You define what the low levels are for media usage and parts inventory, and Printer Maestro alerts you when those levels are reached. For more information, refer to the [Setting Up Event Alerts](#) chapter of this technical document.

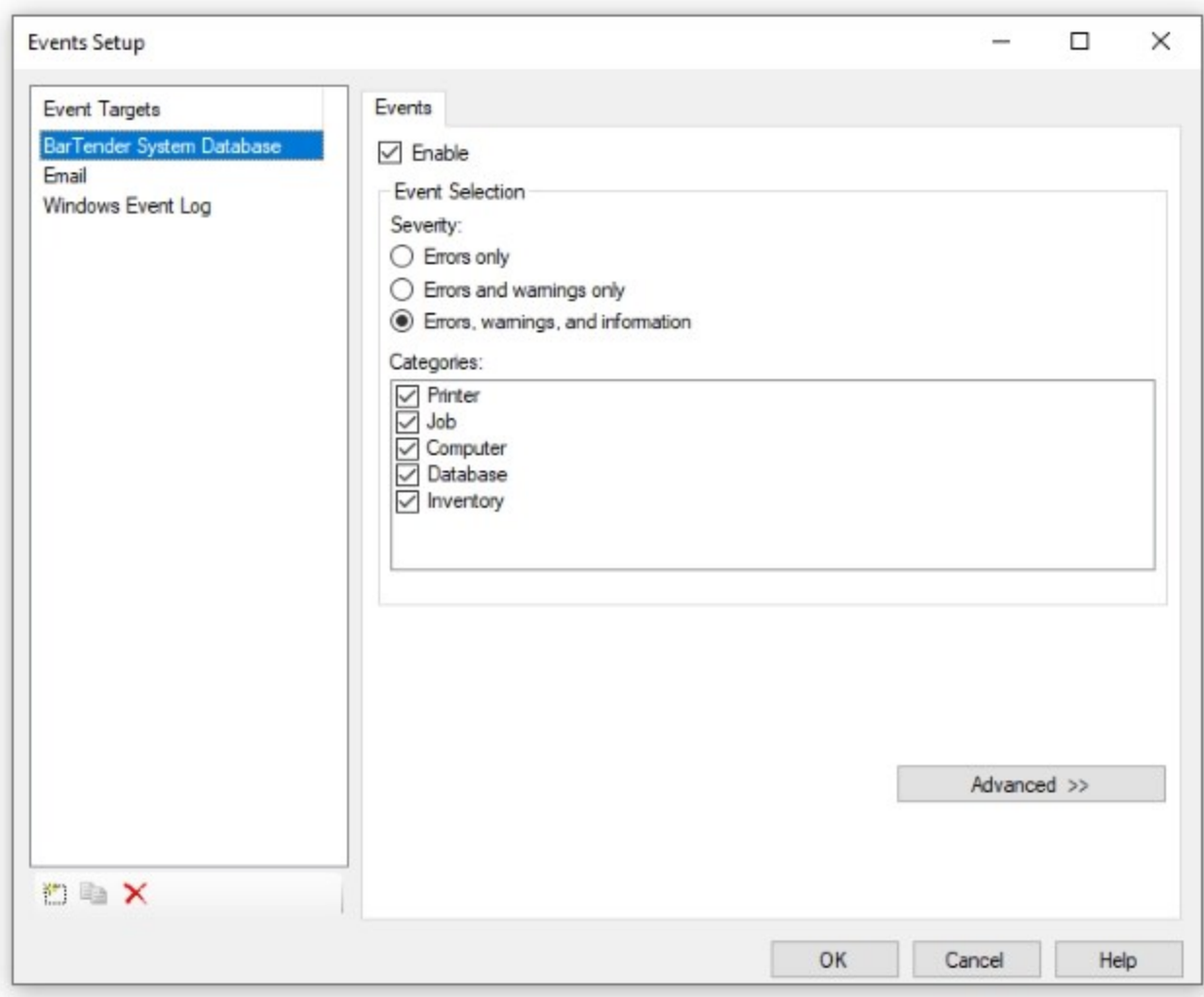
Setting Up Event Alerts

Printer Maestro can send a text message to your cellphone or send you an email message that notifies you of an event. Alternatively, it can alert you by using the Windows event log or the BarTender System Database.

Use the Printer Maestro **Events Setup** dialog to specify the delivery method and necessary parameters, such as email address or cellphone number, and the event that you want to trigger the alert message (for example, an error or warning condition).

For example, you might want to receive an alert notification for the following conditions:

- Printer offline
- Computer offline
- Paper low or out
- Ribbon low or out
- Error messages that are specific to a particular printer model, such as a print head problem



Related Documentation

Technical Documents

- *Drivers by Seagull™*
- *Installing Drivers by Seagull™*
- *Status Monitoring*
- *Optimizing Print Performance*

To view and download technical documents, visit:

<https://www.seagullscientific.com/resources/white-papers/>

User Guides

- *Getting Started with BarTender*
<https://support.seagullscientific.com/hc/en-us/articles/9926265797143-Getting-Started-with-BarTender-Software>

BarTender Help System

- [Printer Maestro](#)

Other Resources

Please visit the BarTender website at <https://www.seagullscientific.com>.

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