



Simplify Printing
Quick Start Guide
Version 6.8

Release Info

This version of the *Simplify Printing Quick Start Guide* is applicable for all software versions of Simplify Printing 6.8 and greater, and ScrewDrivers 6.8 and greater, and is current until replaced.

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Customer Support

Customer support is available to organizations that purchase Simplify Printing and that have an annual support agreement. Contact Tricerat at:

Tricerat, Inc.
11500 Cronridge Drive
Suite 100
Owing Mills, MD 21117
800-582-5167
410-715-3926
support@tricerat.com
www.tricerat.com

Table of Contents

| | |
|-------------------------------------------------------------------------------|-----------|
| Chapter 1: Installing Simplify Printing | 5 |
| Print Server Proxy for Simplify Printing | 6 |
| Installing the Simplify Suite Simplify Printing Component..... | 8 |
| To install the Simplify Suite Simplify Printing component | 8 |
| Installing the Simplify Printing Print Server | 9 |
| To install the Simplify Print Server | 9 |
| Installing the Simplify Print Internal Proxy Service..... | 15 |
| To install the Simplify Print internal proxy service..... | 15 |
| Installing the Simplify Printing Remote Proxy Service | 19 |
| To install the Simplify Print remote proxy service | 19 |
| | |
| Chapter 2: Using Simplify Printing | 24 |
| Importing Print Server Queues in to the Simplify Database..... | 25 |
| To install the Simplify Printing agent on all appropriate print servers | 25 |
| To create the Simplify Print Server object..... | 25 |
| Assigning the Print Server Printers to Owners..... | 30 |
| To directly assign a print server printer to an owner | 30 |
| To create an owner for a printer assignment (Proximity Printing) | 32 |
| | |
| Appendix A: Map Management Utility. | 34 |
| Opening the Map Management Utility..... | 35 |
| Viewing and Filtering Existing Printers Maps in the Simplify database..... | 37 |
| To view and filter existing maps in the Simplify database | 37 |
| Adding Maps to the Simplify database..... | 40 |
| To add a map to the Simplify database..... | 40 |

| | |
|-------------------------------|----|
| Editing a Saved Map..... | 43 |
| To add printers to a map..... | 43 |
| To edit a saved map..... | 45 |
| Deleting a Saved Map..... | 48 |
| To delete a saved map..... | 48 |

Preface

Welcome to the *Simplify Printing Quick Start Guide*. The purpose of the *Simplify Printing Quick Start Guide* is to answer your questions and guide you through the procedures necessary to install Simplify Printing, import printers from your print servers and then make print server printer assignments efficiently and effectively.

Using the manual

You will find the *Simplify Printing Quick Start Guide* easy to use. You can simply look up the topic that you need in the Table of Contents. Later, in this Preface, you will find a brief discussion of each chapter to further assist you in locating the information that you need.

Special information about the manual

The *Simplify Printing Quick Start Guide* has a dual purpose design. It can be distributed electronically and then printed on an as-needed basis, or it can be viewed online in its fully interactive capacity. If you view the document online, a standard set of bookmarks appears in a frame on the left side of the document window for navigation through the document.

Conventions used in the manual

The *Simplify Printing Quick Start Guide* uses the following conventions:

- Information that can vary in a command—variable information—is indicated by alphanumeric characters enclosed in angle brackets; for example, <Server>. Do not type the angle brackets when you specify the variable information.
- A new term, or term that must be emphasized for clarity of procedures, is *italicized*.
- Page numbering is “online friendly.” Pages are numbered from 1 to x, *starting with the cover*, and ending on the last page of the guide.



Although numbering begins on the cover page, this number is not visible on the cover page or front matter pages. Page numbers are visible beginning with the first page of the Table of Contents.

- This manual is intended for both print and online viewing.
 - If information appears in [blue](#), it is a hyperlink. Table of Contents entries are also hyperlinks. Click the hyperlink to advance to the referenced information.

Assumptions for the manual

The *Simplify Printing Quick Start Guide* assumes that:

- You are familiar with Windows-based applications and basic Windows functions and navigational elements.
- References to any third-party standards or third-party software functions were current as of the release of this version of Simplify Suite, and might have already changed.

Organization of the manual

In addition to this Preface, the *Simplify Printing Quick Start Guide* contains the following chapters and appendices:

- [Chapter 1, “Installing Simplify Printing,” on page 5](#) details how to install Simplify Printing in your environment with or without a proxy server.
- [Chapter 2, “Using Simplify Printing,” on page 24](#) explains how to import print server queues in to the Simplify database, and it also explains how to assign the print server printers to owners.
- [Appendix A, “Map Management Utility,” on page 34](#) explains how to use the Map Management Utility to assist your Simplify Printing and Simplify Driver Management users in locating the local printers that are available for self-assignment.

Chapter 1

Installing Simplify Printing

With Simplify Printing, you can harness the power of your print server to eliminate print driver installation. Simplify Printing uses Tricerat's TMF print protocol to compress the printer files to achieve the fast and reliable printing that users need without crashing or losing print jobs. With Simplify Printing, you can statically assign printers on a per user basis, or you can dynamically assign printers based on the client location using client hostname, IP address or range of IP addresses. Your users have access to trouble-free printing from any application to any available printer, and you can go about your day. This chapter details how to install Simplify Printing in your environment with or without a proxy server.

This chapter covers the following topics:

- [“Print Server Proxy for Simplify Printing” on page 6.](#)
- [“Installing the Simplify Suite Simplify Printing Component” on page 8.](#)
- [“Installing the Simplify Printing Print Server” on page 9.](#)
- [“Installing the Simplify Print Internal Proxy Service” on page 15.](#)
- [“Installing the Simplify Printing Remote Proxy Service” on page 19.](#)

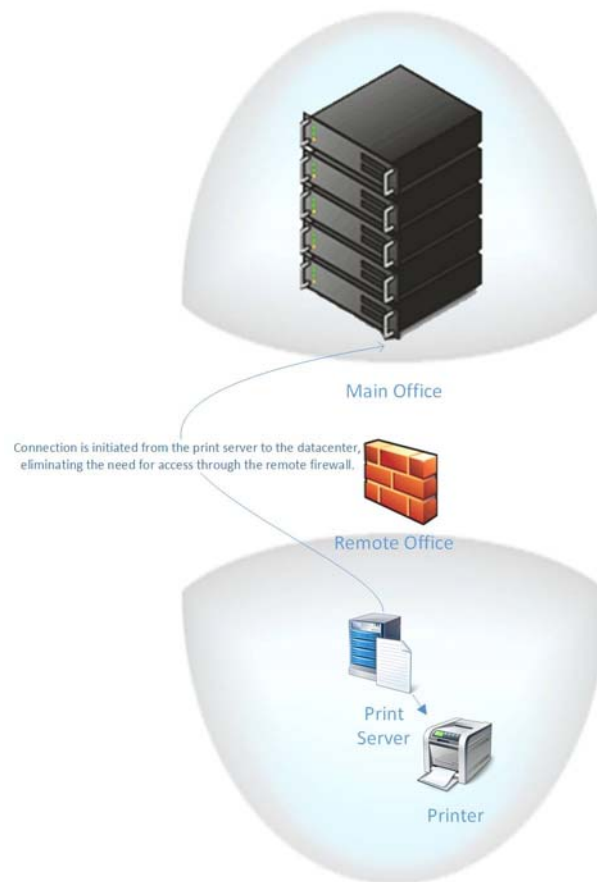


Although not required, the procedures in this guide are presented in the most typical order for installing the Simplify Printing components.

Print Server Proxy for Simplify Printing

In a typical Simplify Printing installation, you install the Simplify Suite Simplify Printing (SP) component, which enables runtime creation of your user's print server printers and the Simplify Printing print server. However, for some managed service provider (MSP) environments, a third component—a Simplify Printing Print Server proxy feature—might be required. This proxy feature reverses the direction of the initial communication between the print server clients and the print server. This feature requires the installation of one additional component within the network where the ScrewDrivers-based queues print and one additional component for each remote network that these queues must access.

Figure 1-1: Print server printing through Simplify Printing with proxy server



Consider the following use case for determining whether you must also install the Print Server proxy feature for Simplify Printing: An MSP hosts virtual applications or desktops from servers within its network to customers whose clients are located in their companies' networks. A customer must use a print server, but the MSP does not have access to control the customer's firewall nor can they ask the customer to open a port. The proxy allows a customer to originate all print server communication within its own network through the remote proxy server and the MSP can open a single port for all its customers in its own firewall to facilitate communication to its internal proxy server. Normal communication in

Simplify Printing occurs when a client (Simplify Console, TCP Port or APF DLL) opens a socket directly to the print server, performs its needed actions, and then closes the socket when done. The Simplify Printing proxy feature creates an always open connection between the remote proxy service and the internal proxy service. Rather than opening a socket directly to the print server, a client, instead, opens a connection to the internal proxy service, which then brokers all communication over the persistent connection to the appropriate remote proxy service that handles the final “hop” to the print server itself.



If you use the proxy method in your environment, then you must be aware of the following caveat: For Print Job Reporting to work, either the network administrator must have a SQL Server that is local to each remote proxy so any print servers that are behind a proxy can write data to the instance (this provides privacy for each customer’s print job data as well as access to its own print job data) or the MSP must open a port back to its internal SQL Server that is used to host the Simplify database.

Installing the Simplify Suite Simplify Printing Component

All Simplify Printing installations require the Simplify Suite Simplify Printing (SP) component. This component enables runtime creation of your user's print server printers.

To install the Simplify Suite Simplify Printing component

For instructions about installing the Simplify Suite SP component, see the *Simplify Suite Installation Guide*. When installing the Simplify Suite SP component, note the following:

- You must install the Simplify Suite SP component on each workstation on which a user's print server printers are to be built.
- You can install the Simplify Console where needed, for example, on the database server, on administrators' workstations, and so on.
- You can install the Simplify database on the same server as which the Simplify Console is installed, or on a different database server.
- You must specify the database credentials for logging in to the Simplify database.

Installing the Simplify Printing Print Server

All Simplify Printing installations require at least one instance of the Simplify Printing print server. You must install the Simplify Printing print server on every one of your organization's servers that hosts print queues. The Simplify Printing agent installation file is named `SimplifyPrintServer_<Version Number>.exe`. This executable is contained in the `PrintServerAgent` folder in the Simplify Suite download file. The executable installs a service named `Simplify_<Version Number>_Print Server` that accepts and processes print data that is received from the virtual desktops on which Simplify Printing is installed.



If your organization also uses the Simplify Printing proxy service, then these print server instances are the agents that have the connections that the remote proxy manages.

To install the Simplify Print Server

For each appropriate print server, do the following:

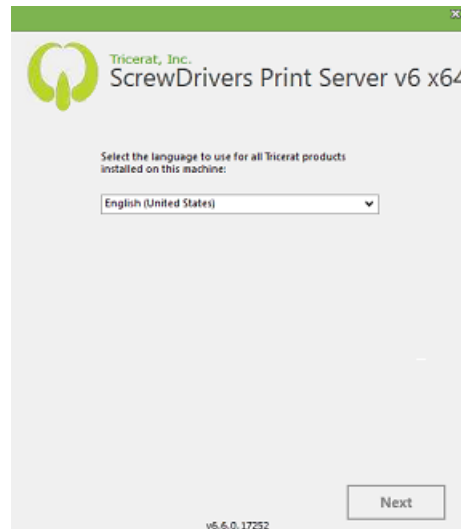
1. Record the hostname or IP address of the print server.
2. Copy the appropriate executable— `SimplifyPrintServer_<Version Number>_x86.exe` or `SimplifyPrintServer_<Version Number>_x64.exe`—to the server.
3. Run the executable as an administrator.

After any necessary pre-requisites are installed, the Simplify Print Server Installation wizard opens. The Language page is the open page, with the default language set to English (United States). See [Figure 1-2 on page 10](#).



The Simplify Print Server Installation wizard still uses the legacy `ScrewDrivers` Print Server naming. This naming will be changed in a future release.

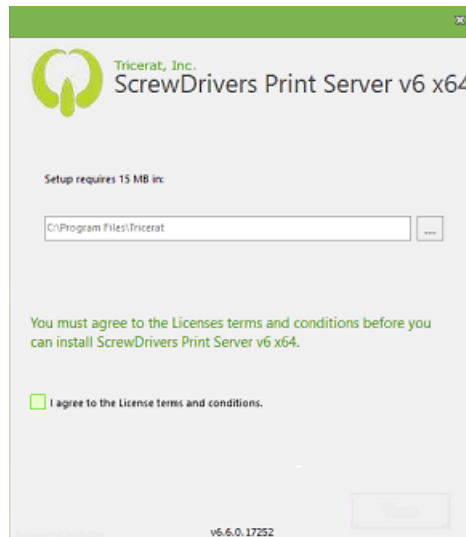
Figure 1-2: Simplify Print Server Installation wizard, Language page



4. Leave the default language set as-is, or select the appropriate language.
5. Click Next.

The License Terms and Conditions page opens.

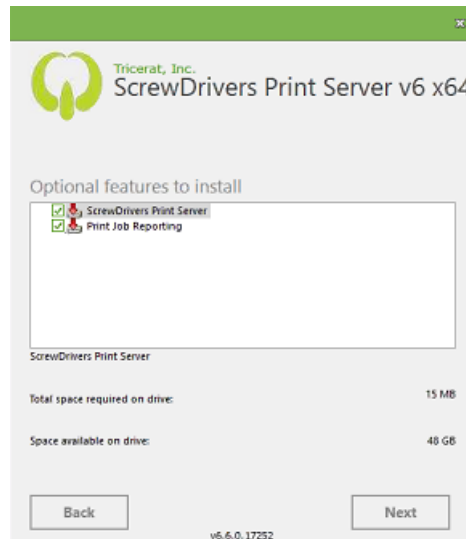
Figure 1-3: Simplify Print Server Installation wizard, License Terms and Conditions page



6. Optionally, to read the Simplify Suite license terms and conditions, click anywhere in the License terms and conditions disclaimer; otherwise, select I agree to the License terms and conditions, and then click Next.

The Optional Features to Install page opens. By default, both optional features—Simplify Print Server and Print Job Reporting—are selected. See [Figure 1-4 on page 11](#).

Figure 1-4: Simplify Print Server Installation wizard, Optional Features to Install page



7. Leave Simplify Print Server selected, and then either leave Print Job Reporting or clear it.



If you leave Print Job Reporting selected, then you must have a locally accessible database to which the job data can be written. If you are:

- *Not using the proxy service, then this database is typically the same database—Simplify database—that Simplify Suite uses.*
- *Using the proxy service, then you must have a database that is locally accessible to at least one print server.*

8. Click Next.
 - If you left Print Job Reporting selected, then the SQL Server database page opens. See [Figure 1-5 on page 12](#). Go to [Step 9](#).
 - If you cleared Print Job Reporting, then the Begin Installation page opens. See [Figure 1-6 on page 12](#). Go to [Step 11](#).

Figure 1-5: Simplify Print Server Installation wizard, SQL Server Database page

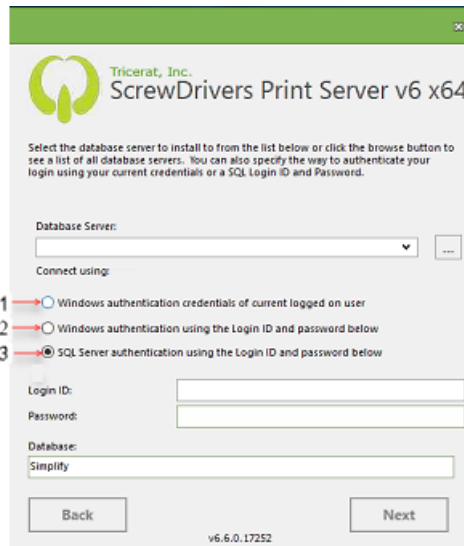
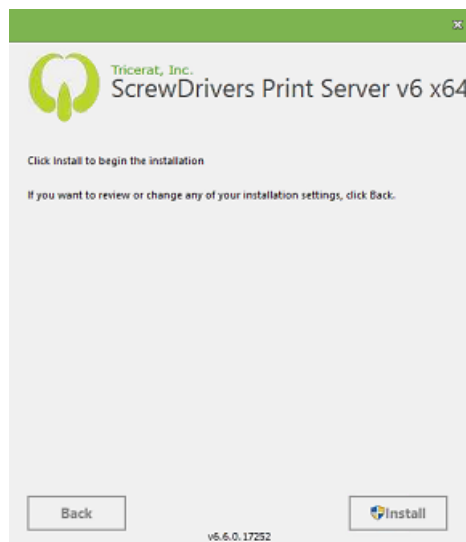


Figure 1-6: Simplify Print Server Installation wizard, Begin Installation page



9. On the Database Server dropdown list, do one of the following:
 - Select the name or instance of your SQL Server.
 - Click the Browse button to open a list of all available database servers and select the appropriate server from this list.

10. Select the authentication method for the database connection.

| Option | Authentication Type | Description |
|--------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Windows Authentication | The AD credentials of the user who is running the installation are automatically used for all users to connect to the Simplify database. This authentication method includes the creation of the Simplify database if it has yet to be created. |
| 2 | Static Windows Authentication | The installation, the Simplify Console, and any user connect to the Simplify database with the specified AD credentials. |
| c | SQL Authentication | Selected by default. Every user connects to the Simplify database with the specified SQL Server credentials. |

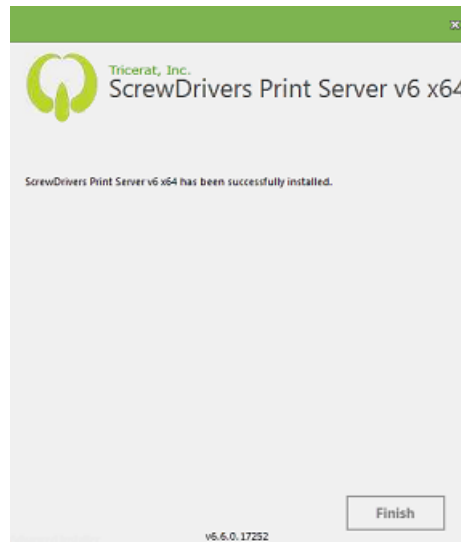
11. Click Install.

The Installation Progress page opens. After the installation is complete, the Installation Complete page opens. See [Figure 1-7](#) below and [Figure 1-8 on page 14](#).

Figure 1-7: Simplify Print Server Installation wizard, Installation Progress page



Figure 1-8: Simplify Print Server Installation wizard, Installation Complete page



12. Click Finish.

Installing the Simplify Print Internal Proxy Service

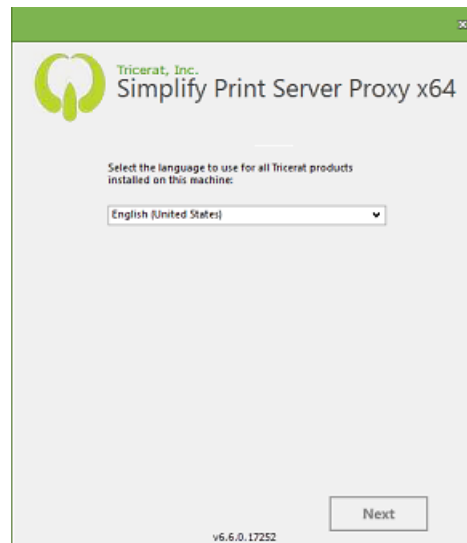
Simplify Suite uses the internal Simplify Print proxy service. You typically install the Simplify Print internal proxy service on a server that you are able to open a TCP port to from outside your organization.

To install the Simplify Print internal proxy service

1. Copy the appropriate executable— `SimplifyPrintServerProxy_<Version Number>_x86.exe` or `SimplifyPrintServerProxy_<Version Number>_x64.exe`—to your Server OS or workstation.
2. Run the executable as an administrator.

After any necessary pre-requisites are installed, the Simplify Print Server Proxy Installation wizard opens. The Language page is the open page, with the default language set to English (United States).

Figure 1-9: Simplify Print Server Proxy Installation wizard, Language page



3. Leave the default language set as-is, or select the appropriate language.
4. Click Next.

The License Terms and Conditions page opens. See [Figure 1-10 on page 16](#).

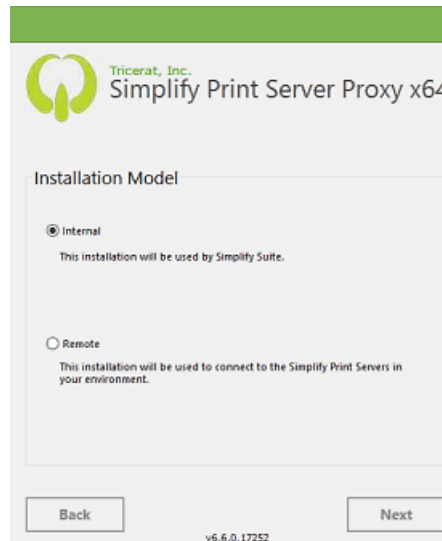
Figure 1-10: Simplify Print Server Proxy Installation wizard, License Terms and Conditions page



5. Optionally, to read the Simplify Suite license terms and conditions, click anywhere in the License terms and conditions disclaimer; otherwise, select I agree to the License terms and conditions, and then click Next.

The Installation Model page opens. By default, Internal is selected.

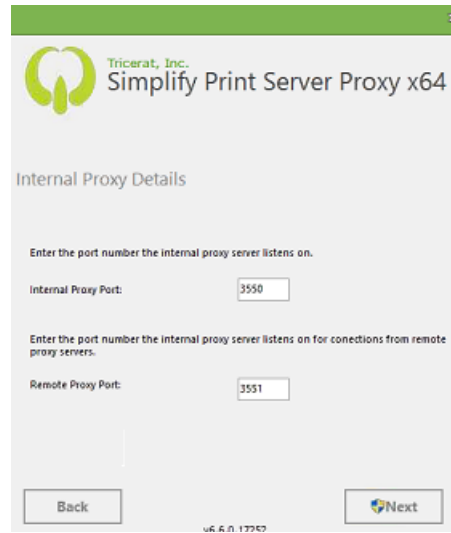
Figure 1-11: Simplify Print Server Proxy Installation wizard, Installation Model page



6. Leave Internal selected, and then click Next.

The Internal Proxy Details page opens. The Internal Proxy Port (the port on which the internal proxy service listens) is set to a default value of 3350 and the Remote Proxy Port (the port on which the internal proxy servers listens for connections from the remote proxy service) is set to a default value of 3551.

Figure 1-12: Simplify Print Server Proxy Installation wizard, Internal Proxy Details page



7. Leave the default values set as-is, and then click Next.

The Begin Installation page opens.

Figure 1-13: Simplify Print Server Proxy Installation wizard, Begin Installation page



8. Click Install.

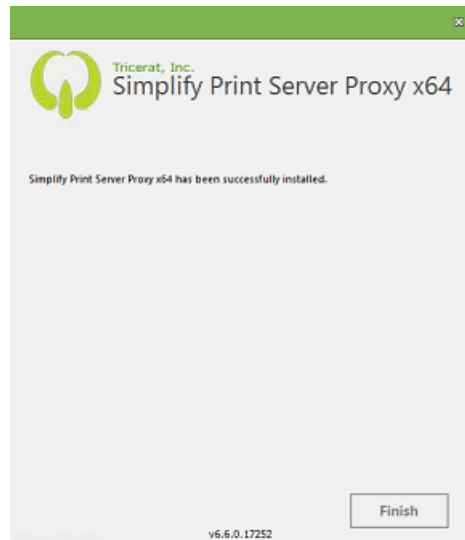
The Installation Progress page opens.

Figure 1-14: Simplify Print Server Proxy Installation wizard, Installation Progress page



After the installation is complete, the Installation Complete page opens.

Figure 1-15: Simplify Print Server Proxy Installation wizard, Installation Complete page



9. Click Finish.
10. Continue to ["Installing the Simplify Printing Remote Proxy Service"](#) on page 19.

Installing the Simplify Printing Remote Proxy Service

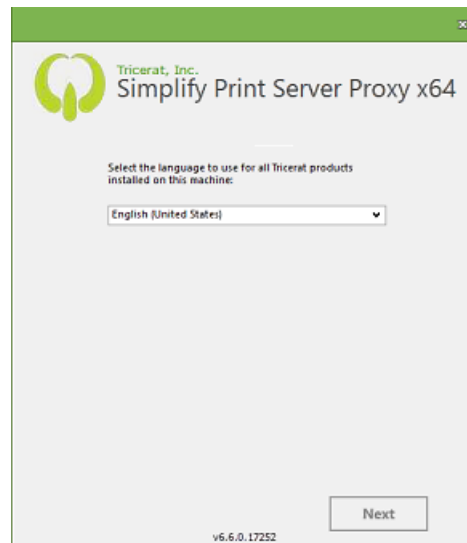
Your Simplify Print print server instances are the agents that have the connections that the remote proxy manages. You install the remote proxy once per network.

To install the Simplify Print remote proxy service

1. Copy the appropriate executable— `SimplifyPrintServerProxy_<Version Number>_x86.exe` or `SimplifyPrintServerProxy_<Version Number>_x64.exe`—on any (server or workstation) that can access the internet. The server can be one of your Simplify Printing print servers.
2. Run the executable as an administrator.

After any necessary pre-requisites are installed, the Simplify Print Server Proxy Installation wizard opens. The Language page is the open page, with the default language set to English (United States).

Figure 1-16: Simplify Print Server Proxy Installation wizard, Language page



3. Leave the default language set as-is, or select the appropriate language.
4. Click Next.

The License Terms and Conditions page opens. See [Figure 1-17 on page 20](#).

Figure 1-17: Simplify Print Server Proxy Installation wizard, License Terms and Conditions page



5. Optionally, to read the Simplify Suite license terms and conditions, click anywhere in the License terms and conditions disclaimer; otherwise, select I agree to the License terms and conditions, and then click Next.

The Installation Model page opens.

Figure 1-18: Simplify Print Server Proxy Installation wizard, Installation Model page



6. Select Remote, and then click Next.

The Remote Proxy Details page opens.

Figure 1-19: Simplify Print Server Proxy Installation wizard, Remote Proxy Details page

7. Enter the remote proxy details.

| Option | Description |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Group | Default value is Group. A description of any print servers that are located behind this remote proxy. Enter a value that succinctly and accurately defines these printers, for example, do these print servers serve a specific company (so you might enter the company name) or a specific office location (so you might enter the office location). |
| Internal Proxy Address | The Fully Qualified Domain Name (FQDN) or the IP address of the Simplify Printing Internal proxy server. |
| Internal Proxy Port | The port on which the internal proxy servers listens for connections from the remote proxy service. The default value is 3551. Do not change this value. |

8. Click Next.

The Begin Installation page opens. See [Figure 1-20 on page 22](#).

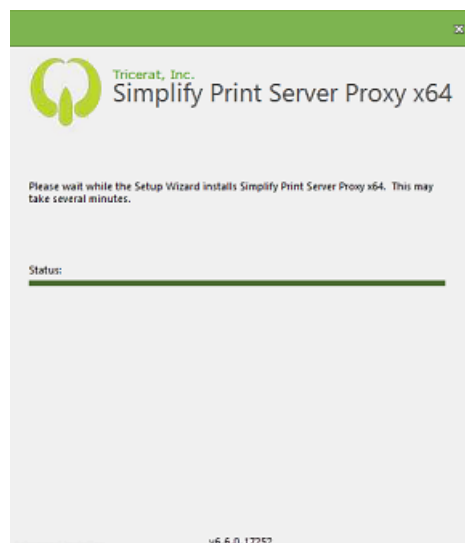
Figure 1-20: Simplify Print Server Proxy Installation wizard, Begin Installation page



9. Click Install.

The Installation Progress page opens.

Figure 1-21: Simplify Print Server Proxy Installation wizard, Installation Progress page



After the installation is complete, the Installation Complete page opens. See [Figure 1-22 on page 23](#).

Figure 1-22: Simplify Print Server Proxy Installation wizard, Installation Complete page



10. Click Finish.

Chapter 2

Using Simplify Printing

Simplify Printing uses Tricerat's TMF print protocol to compress the print job data to achieve the fast and reliable printing that users need without crashing or losing print jobs. With Simplify Printing, you can statically assign printers on a per user basis, or you can dynamically assign printers based on the client location using client hostname, IP address or range of IP addresses. Your users have access to trouble-free printing from any application to any available printer, and you can go about your day. This document guides you through the essential procedures for getting started with Simplify Printing.

This chapter covers the following topics:

- “Importing Print Server Queues in to the Simplify Database” on page 25.
- “Assigning the Print Server Printers to Owners” on page 30.



For additional information about configuring and administering Simplify Printing, visit Tricerat's support center at <http://tricerat.com/support-center/technical-documentation>.

Importing Print Server Queues in to the Simplify Database

The first step in setting up Simplify Printing is to import all the appropriate print server queues in to the Simplify database. To import your print server queues in to the Simplify database, you must [install](#) the Simplify Printing agent on all the appropriate print servers, and then [create](#) a Simplify Print Server object for each print server on which the Simplify Printing agent was installed.

To install the Simplify Printing agent on all appropriate print servers

1. See [“Installing the Simplify Printing Print Server” on page 8](#).
2. Continue to [“To create the Simplify Print Server object”](#) below.

To create the Simplify Print Server object

You must do the following procedure for *each* print server on which the Simplify Printing agent was installed.



The order of steps presented below for creating the Simplify Print Server object is not absolute. You can determine which order best suits your working needs. For example, you can name the Simplify Print Server object immediately after you create the object instead of after specifying the hostname for the object.

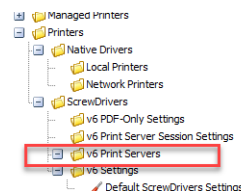


When working in Simplify Printing, you might see the legacy term “ScrewDrivers” on various tabs, in lists, and so on. This term will be updated to the correct term “Simplify Print” in a future release.

1. Start Simplify Suite:
 - From the Start menu: All Programs > Tricerat > Simplify Console.
 - From Windows Explorer: C:\Program Files\Tricerat\Simplify Suite\Simplify Console\SimplifyConsole.exe

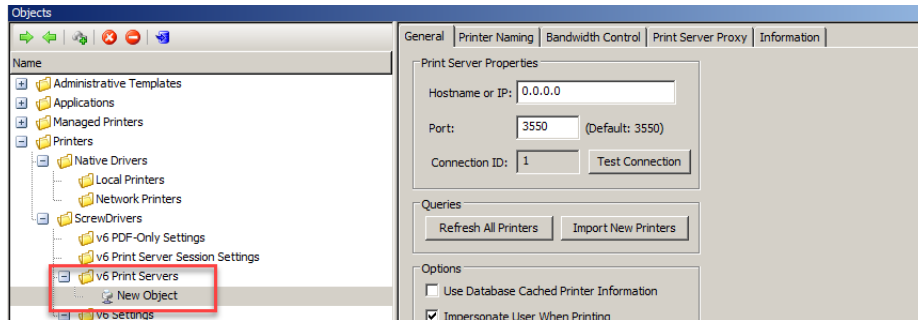
The Simplify Console opens. The Objects pane displays an entry for the Simplify Print <Version Number> Print Servers service, for example, Simplify Print v6 Print Servers.

Figure 2-1: Simplify Console



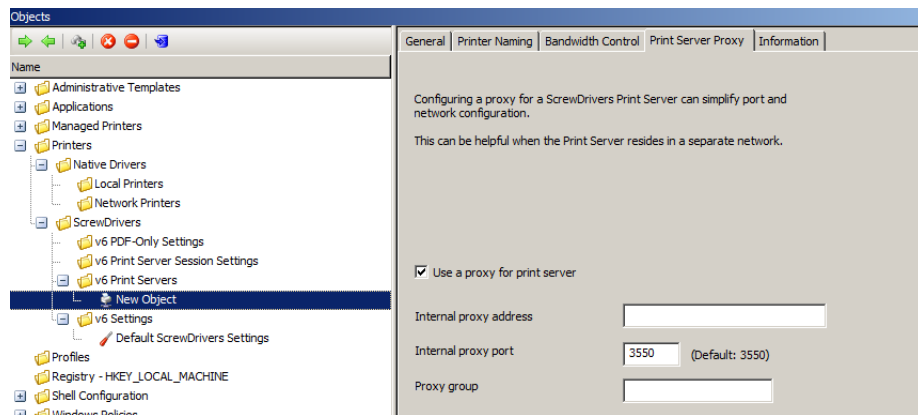
2. In the Objects pane, under the ScrewDrivers > <Version Number> Print Servers folder, create a new object and give the object the name of your organization's print server, for example, qa-srv005.

Figure 2-2: Simplify Console with new Print Server object entry, General tab



3. On the General tab, replace the default hostname with the actual name of the print server and if necessary, change the default port.
4. If you are not using a Tricerat Print Server proxy, then go to [Step 5](#); otherwise,
 - a. Open the Print Server Proxy tab.
 - b. Make sure that Use a proxy for print server is selected.
 - c. Enter the internal proxy address and the proxy group name.
 - d. Go to [Step 5](#).

Figure 2-3: Simplify Console with new Print Server object entry, Print Server Proxy tab



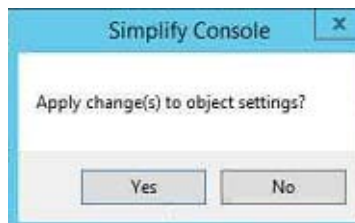
5. Enter the name for the new Print Server object.



Tricerat recommends that you use the print server hostname for the object name.

A Simplify Console message opens, asking you to confirm the changes made to the object's settings.

Figure 2-4: Simplify Console message



6. Click Yes to close the message.
7. Click Test Connection to verify the Simplify Print Server communication.

If the connection is successful, then a Simplify Console message opens, indicating this.



If the connection is not successful, then a Simplify Console error message opens instead. Resolve the issues that resulted in the error, and repeat this step as needed until the Test Connection successful message is displayed.

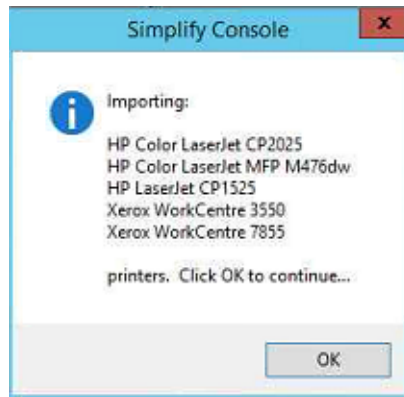
Figure 2-5: Simplify Console Test Connection successful message



8. Click OK to close the message.
9. Click Import New Printers.

A Simplify Console message that lists all the printers that will be imported for the Print Server object opens. See [Figure 2-6 on page 28](#).

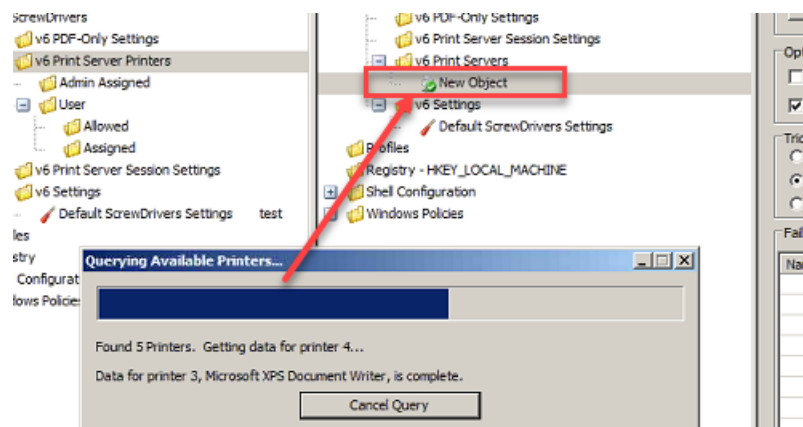
Figure 2-6: Simplify Console Import Printers message



10. Click OK to close the message and start the importing of the printers.

A Querying Printers message opens. The message displays the progress of gathering the data for each printer that is to be imported, and then importing the printer.

Figure 2-7: Querying Printers message



Be patient during the import process as it can take a while depending on the number of printers that are being imported. The Simplify Console is unavailable during this time. You must wait for the query to complete for the print server.

After all the data for all the printers is gathered, the Object pane is automatically populated with an entry for each imported printer. After a printer is successfully imported, you can click on the printer entry and configure its Advanced Print Features (APF) Settings, or to configure all the imported printers with the same APF settings, you can do so at the Simplify Print Server object level. See [Figure 2-8](#) and [Figure 2-9](#) on page 29.

Figure 2-8: Imported printers with APF Settings

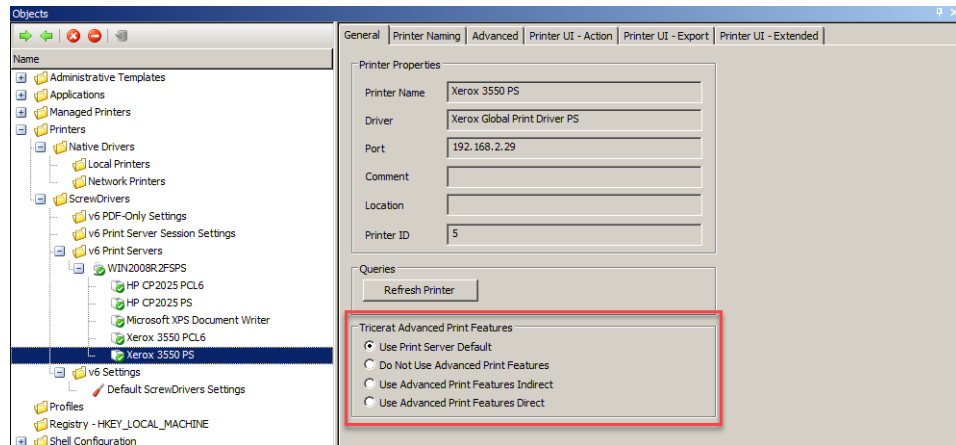
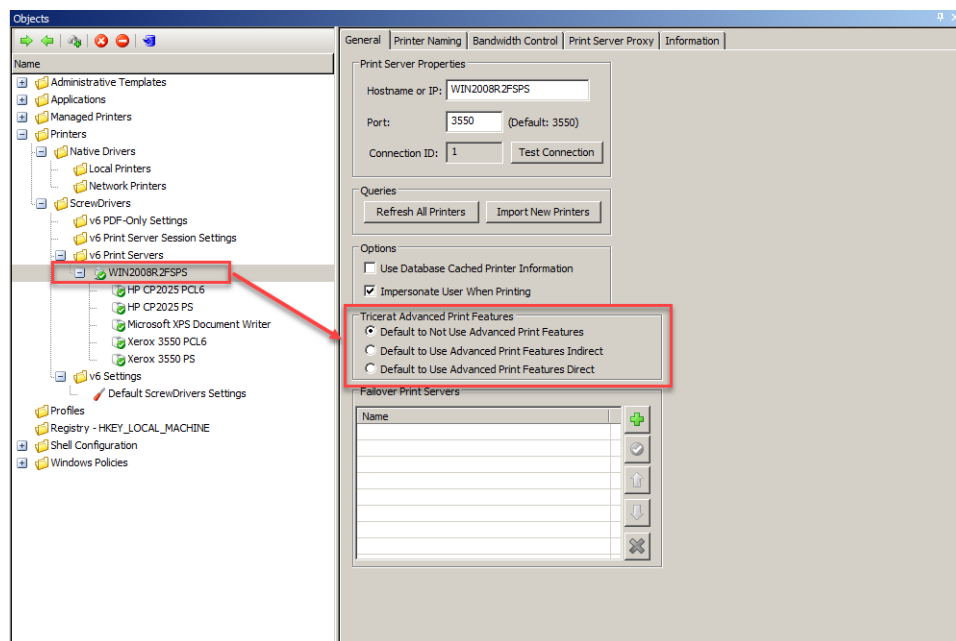


Figure 2-9: Imported printers with APF Settings at Print Server object level



11. Continue to “Assigning the Print Server Printers to Owners” on page 30.

Assigning the Print Server Printers to Owners

The second step in setting up Simplify Printing is to assign the print server printers to owners. Assigning print server printers to owners allows owners to select the print server printers that are to be used during a session. An owner can be an individual user, a group, or an organizational unit such as Sales Demo. When the Simplify Console first opens, the available Owners pane lists all the users and groups that have been pulled from your organization's Active Directory, and typically, these are the owners to which you assign print server printers. You can assign the printer server printers in one of two ways:

- You can directly assign the printer. See [“To directly assign a print server printer to an owner”](#) below.
- You can dynamically assign the printer. See [“To create an owner for a printer assignment \(Proximity Printing\)”](#) on page 32.

To directly assign a print server printer to an owner

You can directly assign a print server printer to an owner in one of the three locations in the Assignments pane:

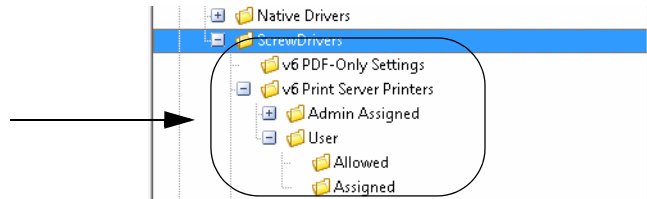
- **Admin Assigned** – Any print server printer that you assign to an owner as Admin Assigned is always built for the owner. The owner does not have the option of whether to build the printer, nor does the owner have the option of removing the printer from a Simplify Printing session. You should add print server printers to the Admin Assigned location to prevent an owner from being able to affect the building of specific printers. An owner always has the option of setting any Admin Assigned printer as the default printer for a session through the User Assigned Printers (UAP) application.
- **User Allowed** – If you assign a print server printer to an owner as User Allowed, then the owner can use the UAP application to add this printer to the list of printers that are to be built for the current Simplify Printing session. The owner can always delete and re-add the printer as needed.
- **User Assigned** – If you assign a print server printer to an owner as User Assigned, then this printer is automatically built for every Simplify Printing session for the owner. If the owner does not want the printer to be built for a Simplify Printing session, then the owner can use the UAP application to delete the assignment. The printer is no longer built for the owner's Simplify Printing session and the owner *cannot* add this printer back to the list of printers that are to be built for any session.

See [Figure 2-10 on page 31](#).



For detailed information about the UAP application, see the [Simplify User Assigned Printers Tool User Guide](#).

Figure 2-10: Assignment locations for a print server printer



You must repeat the following procedure in its entirety for each owner to which you are assigning Print Server printers. Tricerat recommends that if you configure a printer as User Assigned, that you also configure the printer as User Allowed.

1. In the Owners pane in Simplify Console, select the owner (user or group) to which you are assigning the Print Server printer.

The selected owner is displayed at the top of the Assignment hierarchy in the Assignments pane.



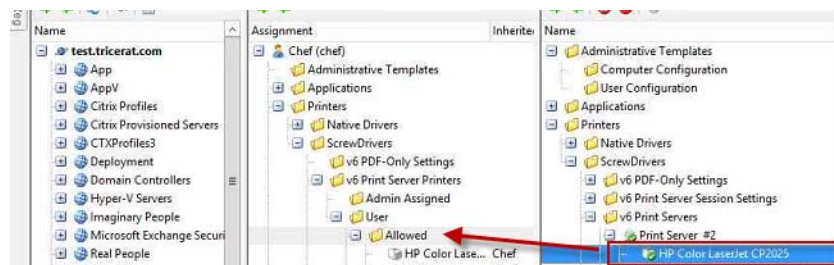
If the needed owner is not available in your Active Directory, then you can always create it. See [“To create an owner for a printer assignment \(Proximity Printing\)” on page 32.](#)

2. In the Assignments pane, do the following:
 - To show Admin Assigned, expand Printers > ScrewDrivers > <Version Number> Print Server Printers.
 - To show User Allowed and User Assigned, expand Printers > ScrewDrivers > <Version Number> Print Server Printers > User.
3. For each Print Server Printer that is to be assigned to the selected owner, do the following: From the Objects pane, drag the appropriate Print Server printer to one of the three assignment folders: Admin Assigned, User Allowed, or User Assigned.



If you assign any User Allowed printers to a user, then if a user is to build the printers for a session, the user must log in to the Simplify User Assigned Printers Tool and build the printers. To assist your users in locating available printers for self-assignment, see [Appendix A, “Map Management Utility,” on page 34.](#)

Figure 2-11: Assigned Print Server Printers in Simplify Console

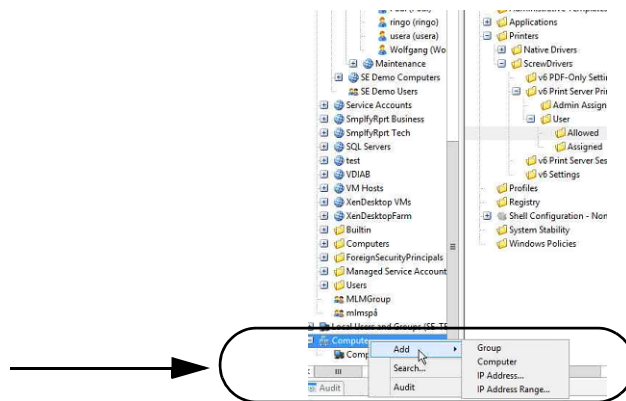


To create an owner for a printer assignment (Proximity Printing)

Simplify Printing provides the option of *proximity printing*, which allows for printers to be dynamically assigned to owners based on either the hostnames, IP addresses, or range of IP addresses for the clients that the owners are using to connect to Simplify Printing. This option is particularly useful if your organization has many locations and you want to create a group to organize the various hostnames and/or IP addresses. You can also organize the groups by something that better suits your working needs such as building, location, country, and so on, rather than directly referencing hostnames or IP addresses.

1. In the Owners pane, scroll to the Computers entry.

Figure 2-12: Computers entry in the Owners pane in the Simplify Console



2. Right-click the Computers entry, and on the context menu that opens, select Add, and then select one of the following options to create the owner:

| Option | Description |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Group | An organizational grouping of one or more groups, computers, IP addresses, and/or IP address ranges. After you name the group, you must add owners to the group. To add owners, right-click the group name, and on the context menu that opens, select one of the following as appropriate: <ul style="list-style-type: none"> • Add Computer • Add IP Address • Add IP Address Range (See “IP Address Range” on page 33.) You can nest groups within other groups. |
| Computer | The complete device name for the client machine from which the owner is connecting to Simplify Printing, and not the fully qualified domain name. After you enter the device name, you can make assignments to the device in the same manner that you make assignments to a group, a user, and so on. You can use wildcard characters in the device name, including a question mark (?) to specify a single character and an asterisk (*) to specify multiple characters. |
| IP Address | The IP address for the client machine from which the owner is connecting to Simplify Printing. This is a single IP address. |

| Option | Description |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP Address Range | The range of IP addresses for the client machines from which the owners are connecting to Simplify Printing. This is the low IP address and the high IP address of the appropriate range. |



After you import print server printers and assign the printers to the correct owners, you can set up a naming scheme for the printers, which determines how the printers are named on the print server and you can assign a default printer to the owner. You can also enable/disable access to the advanced features for a print server printer and you can assign Simplify Printing-specific configuration settings to an owner in the Simplify Console. See the Simplify Printing section in the Simplify Suite Administrator Guide.

Appendix A

Map Management Utility

The Map Management Utility is an external application that is installed transparently when Simplify Suite is installed. As the Simplify Suite administrator, if you assign any User Allowed printers to a Simplify Driver Management user or a Simplify Printing user, then the user must log in to and use the Simplify User Assigned Printers Tool to select the printers that are to be built during the session. You use the Map Management Utility to assist your users in locating the User Allowed printers that are available for self-assignment. With the Map Management Utility, you can add maps to the Simplify database and place printers in their actual physical locations on these maps to give end users a visual way of selecting appropriate and nearby printers for their locations. After you have added maps and printers to the Simplify database, your end users can access them from the Simplify User Assigned Printers Tool to self-assign the appropriate printers.

This chapter covers the following topics:

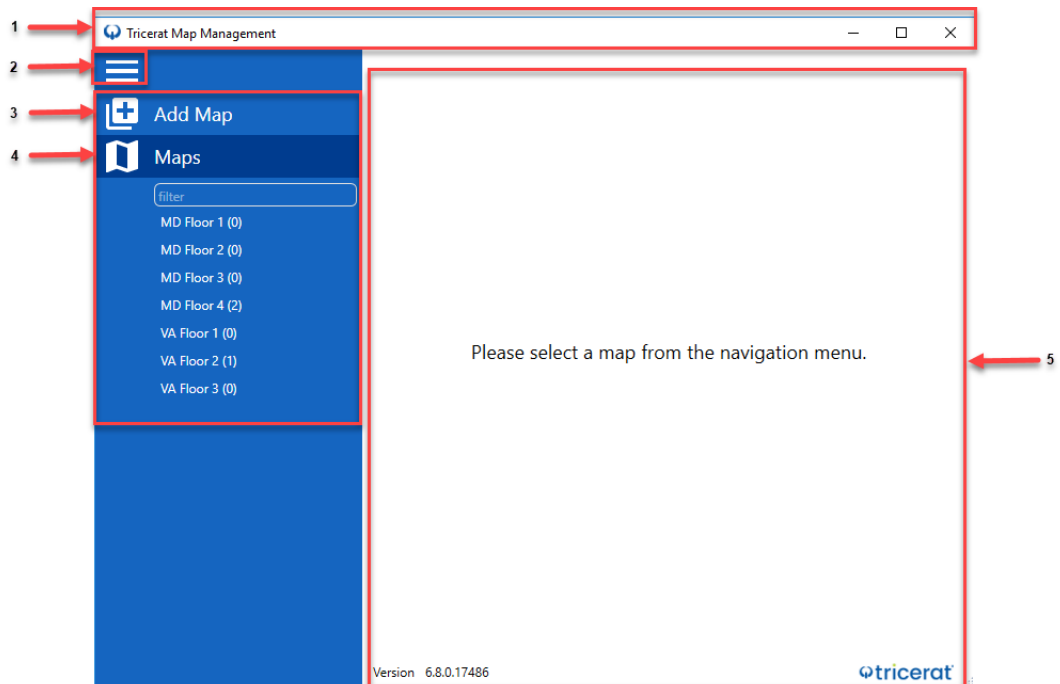
- [“Opening the Map Management Utility” on page 35.](#)
- [“Viewing and Filtering Existing Printers Maps in the Simplify database” on page 37.](#)
- [“Adding Maps to the Simplify database” on page 40.](#)
- [“Editing a Saved Map” on page 43.](#)
- [“Deleting a Saved Map” on page 48.](#)

Opening the Map Management Utility

As the Simplify Suite administrator, if you assign any printers to a user in Simplify Printing or Simplify Driver Management, then if the user is to build the printers for a session, the user must log in to the Simplify User Assigned Printers Tool and build the printers. To prevent you from having to build these printers for the users, and instead let the users assign these printers themselves, you can use the Map Management Utility. The Map Management Utility is an external application that is installed transparently when Simplify Suite is installed. You can use the Map Management Utility to add maps to your Simplify database that show the locations of all the printers that can be assigned to your users. An icon that indicates the printer location is displayed for each printer. Users can view these maps in the Simplify User Assigned Printers Tool and select and assign the available printers themselves as appropriate.

To open the Map Management Utility, on the on the Simplify Console main menu, click Tools > External > Map Management Utility.

Figure A-1: Map Management Utility main window



The Map Management Utility main window has the following layout:

| | Item | Description |
|---|-------------|------------------------------------------------------------------------------------------------------|
| 1 | Title bar | Displays the name of the utility and the standard Windows options for Minimize, Maximize, and Close. |
| 2 | Menu toggle | A toggle that expands/collapses the main menu. |

| | Item | Description |
|----------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note: Collectively, items 3 and 4 are referred to as the main menu. | | |
| 3 | Add Map | Option for adding a map to the Simplify database. See “Adding Maps to the Simplify database” on page 40. |
| 4 | Map List | A list of all user printer maps that are currently stored in the Simplify database. The maps are ordered alphabetically by name, and the total number of printers that have been added to the map is displayed in parenthesis after the map name. A blank filter field is displayed above the maps list. See “Viewing and Filtering Existing Printers Maps in the Simplify database” on page 37. |
| 5 | Work area | Any map with which you are working in the Map Management Utility is always displayed in the work area. You carry out all the necessary activities and tasks for working with maps in the work area. The current version of the Map Management Utility is displayed at the bottom left of the work area. |

Viewing and Filtering Existing Printers Maps in the Simplify database

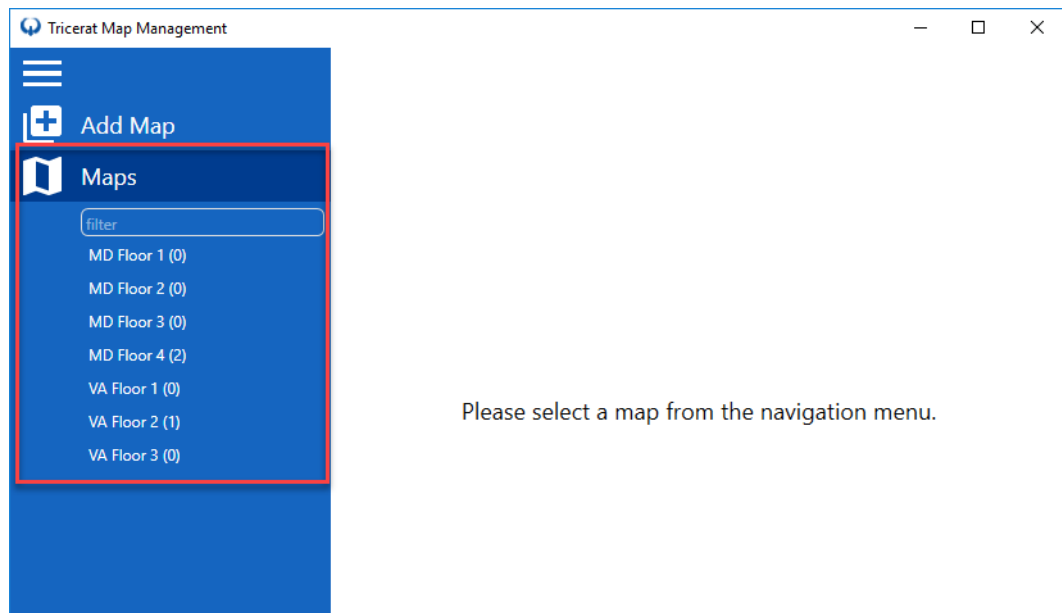
The main menu for the Map Management Utility main window displays all the maps, alphabetically by name, that are currently stored in the Simplify database. The total number of printers that have been added for a map that users can self-assign is displayed in parenthesis after the map name. You can view a selected map and its printers in the work area of the Map Management Utility.

To view and filter existing maps in the Simplify database

1. If you have not done so already, open the Map Management Utility. (On the on the Simplify Console main menu, click Tools > External > Map Management Utility.

The Map Management Utility main window opens. A list of all printer maps that are currently stored in the Simplify database is displayed under Maps. A blank filter field is displayed above the maps list.

Figure A-2: Map Management Utility main window, Maps list

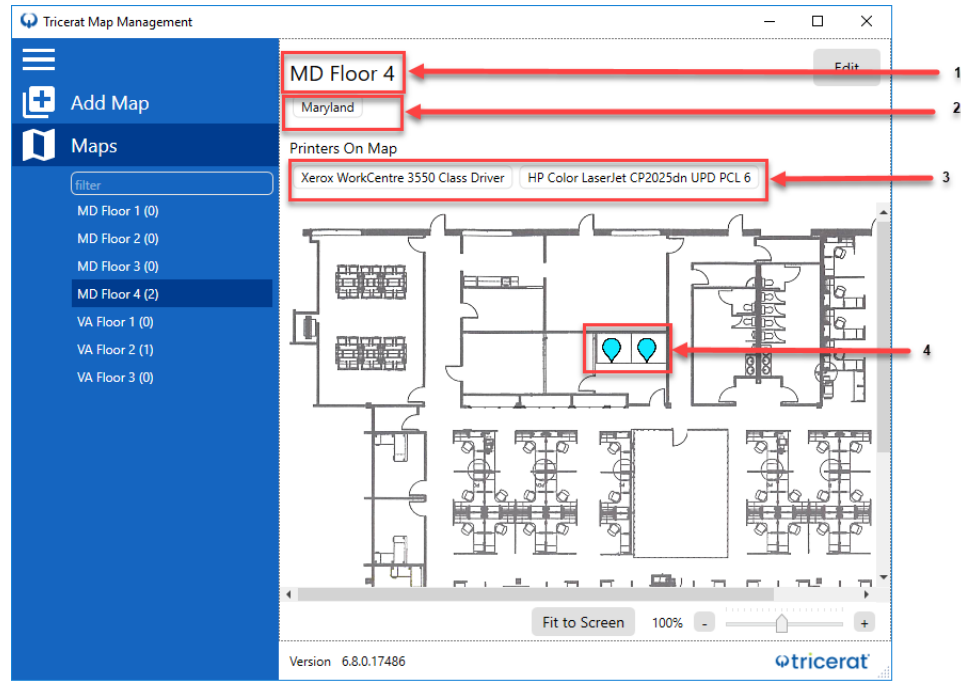


2. Optionally, to filter the Maps list, in the blank filter field above the list, enter a filter string.

The filter string is sensitive to both the name of the map and any tags that have been specified for the map. As you enter the filter string, the list of maps that meet the criteria is dynamically updated. The string is limited to the exact order of the characters in the string, but the filter is not case-sensitive and the filter string can be found anywhere in the results. For example, a filter string of **PLAN** would return maps with names such as **PLANET INDUSTRIES**, Floor **Plan** #1, and so on.

- Click the map name to open the map and display it in the work area.

Figure A-3: Viewing a map in the Map Management Utility

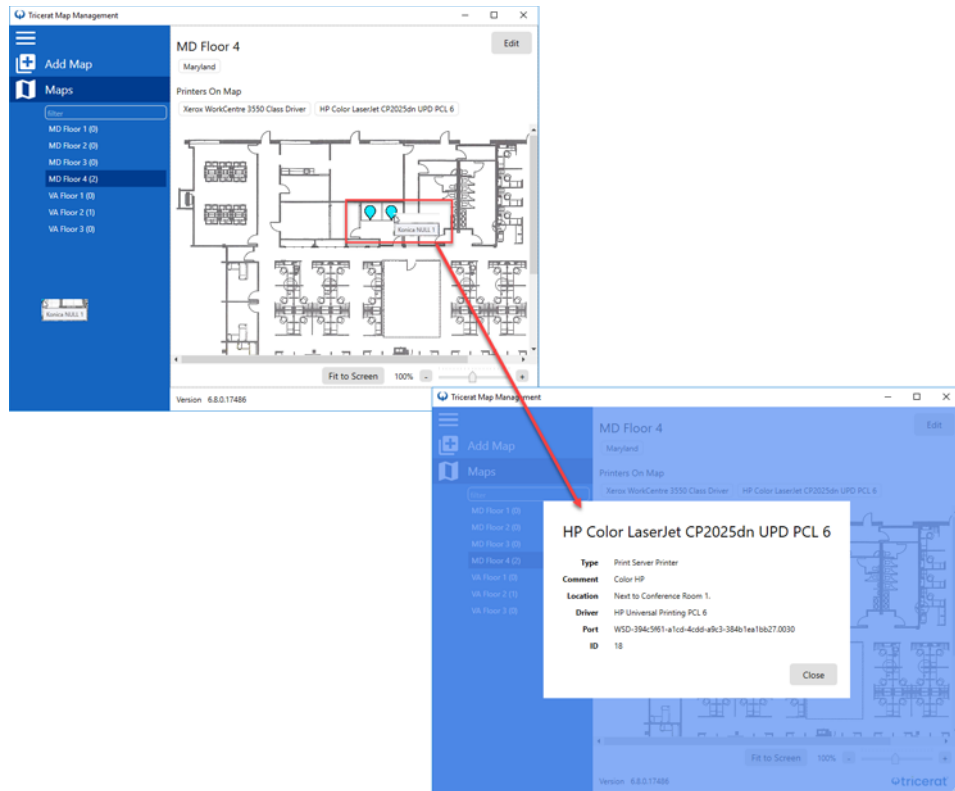


Standard Windows scroll and zoom features are available for viewing the displayed map.

The following information is always displayed for a map:

| | Item | Description |
|---|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Map name | The name of the map as it was specified when adding the map to the Simplify database |
| 2 | Tags | The tags that were specified for the map. |
| 3 | Printers | The printers that have been added to the map. |
| 4 | Printer icons | Indicates the location of the printers that have been added to the map. <ul style="list-style-type: none"> You can place your cursor over a printer icon to open a tooltip that shows the name of the printer. You can click an icon to open a tooltip that provides more information about the printer such as its name, type, driver, and so on. See Figure A-4 on page 39 . |

Figure A-4: Viewing printer name and information



Adding Maps to the Simplify database

You use the Map Management Utility to add maps to your Simplify database that show the locations of all the printers that can be assigned to your users. The source map can be in one of three formats: .jpeg/.jpg, .bmp, or .png, with .png being the preferred format. There are no limits to the map size when you add a map to the Simplify database. After you add the map to the Simplify database, you add printers to the map by editing the map. See [“Editing a Saved Map” on page 43](#).

To add a map to the Simplify database

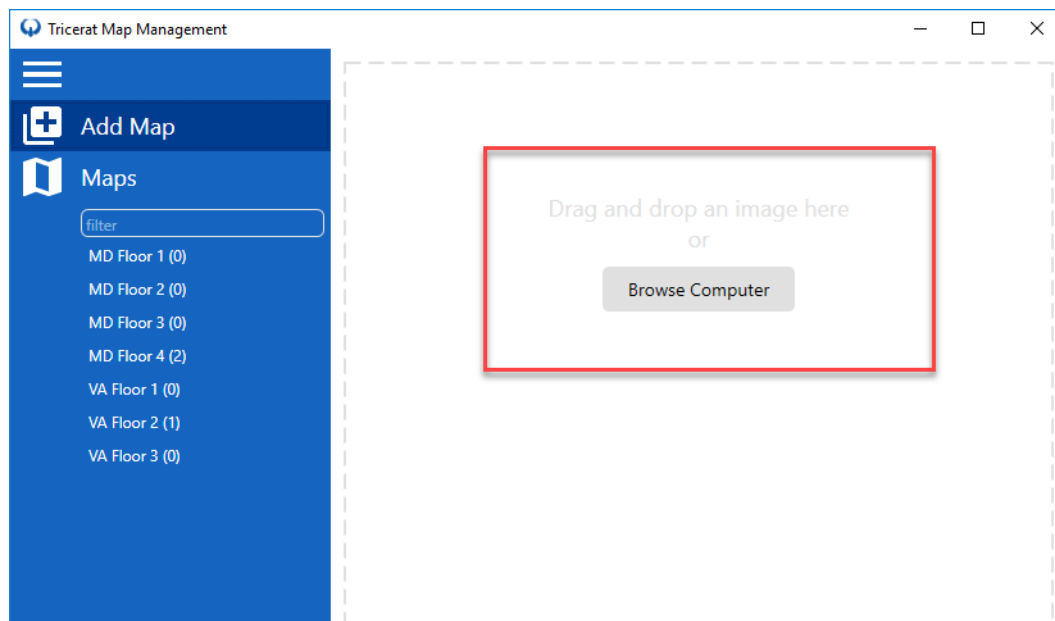
1. If you have not done so already, open the Map Management Utility. (On the on the Simplify Console main menu, click Tools.> External > Map Management Utility.

The Map Management Utility main window opens. See [Figure A-1 on page 35](#).

2. Click Add Map.

The Map Management Utility main window is refreshed with two options for adding a map to the Simplify Console: a Drag and Drop option and a Browse option.

Figure A-5: Map Management Utility main window, Adding a map options



3. Do either of the following to add a map to the Simplify Console:
 - From any location on the Simplify Console client, drag a map where indicated on the Map Management Utility main window.
 - Click Browse Computer to open the Browse dialog box, and then browse and select the map.

The map is displayed in a Preview dialog box in the work area along with the following

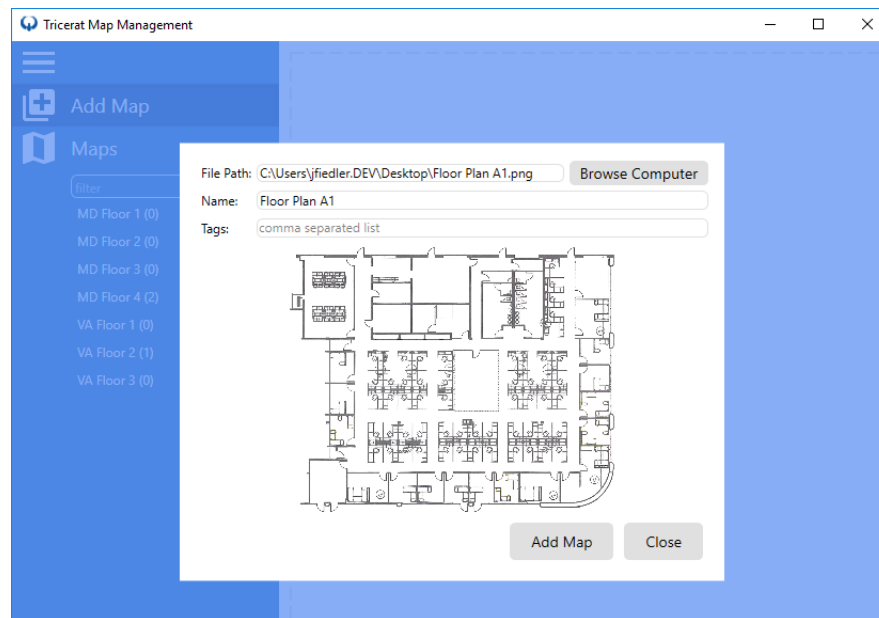
information and options:

- The full file path to the map that are you are adding.
- The current (file) name of the map.
- A tag field, in which you can enter any tags for the map in a comma-separated list.
- An Add Map option, which adds the currently displayed map to the Simplify database.



If decide to add a different map to the Simplify database, you can click Browse Computer to open the Browse dialog box, and then browse and select a different map.

Figure A-6: Previewing a map that is to be added to the Simplify database in the Map Management Utility



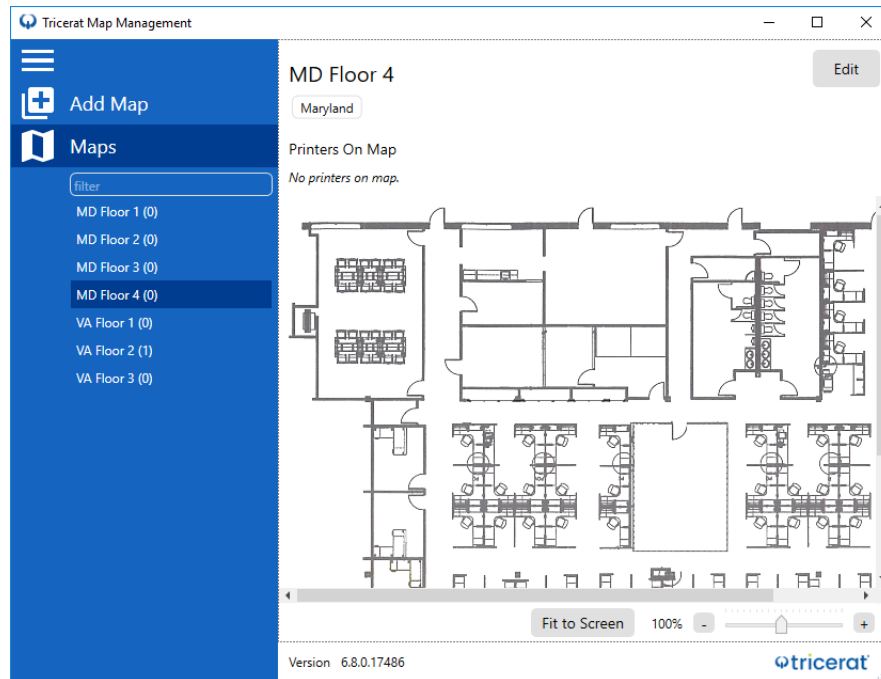
4. Do any or all of the following as appropriate before you save the displayed map to the Simplify database:
 - Edit the name of the map. (The map name must be unique.)
 - Enter tags for the map in a comma-separated list.
5. Click Add Map.

The map preview dialog box closes. The map is added to the Simplify Console. The added map is displayed in the work area of the Map Management Utility main window. The name of the added map and any tags for the map are displayed above the map preview. The map is displayed in the Maps list and is selected. See [Figure A-7 on page 42](#).



After a map is added to the Simplify Console, “No printers on map” is displayed for the map. After you add printers to the map, then the total number of printers added to the map and their locations are displayed.

Figure A-7: Map added to the Simplify Console



Standard Windows scroll and zoom features are available for viewing the displayed map.

6. Continue to [“Editing a Saved Map” on page 43.](#)

Editing a Saved Map

To add printers to a map after you add the map to the Simplify database, you must edit the map. When editing a map, you can also carry out classic editing functions such as editing the map name, adding or deleting the map tags, and deleting printers from the map.

To add printers to a map

1. If you have not done so already, open the Map Management Utility. (On the on the Simplify Console main menu, click Tools > External > Map Management Utility.)

The Map Management Utility main window opens. See [Figure A-1 on page 35](#).

2. In the Maps list, scroll to and select the appropriate map.

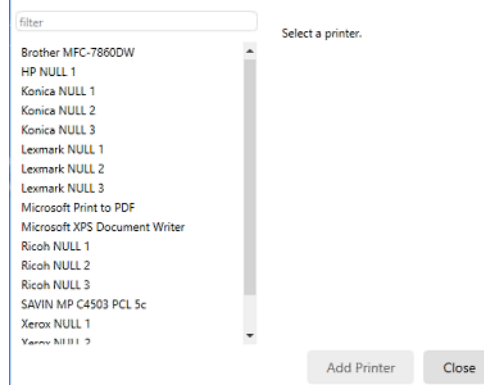


Optionally, to more easily locate the correct map, you can filter the Maps list.

3. Click Edit.
4. Right-click the displayed map where you are adding the printer.

A Printers dialog box opens. The dialog box lists all the printers (print server printers and managed printers) that are currently available in the Simplify database.

Figure A-8: Printers dialog box



5. Scroll to and select the printer that you are adding to the map.



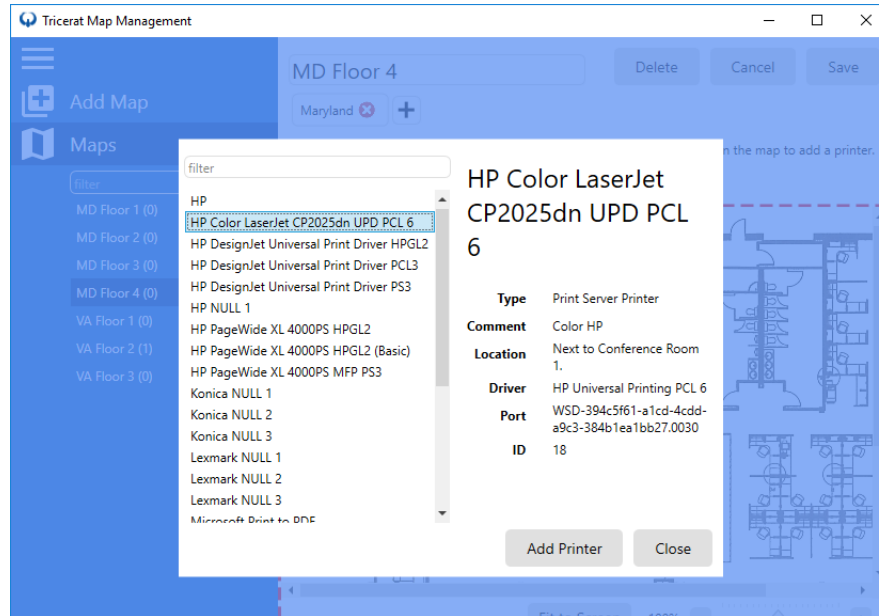
Optionally, to more easily locate the correct printer, you can filter the Printers list.

Information about the printer is displayed on the right side of the Printers dialog box. See [Figure A-9 on page 44](#).



Before you add the map to the Simplify database, it is helpful to review this information to confirm that you have selected the correct printer for the map.

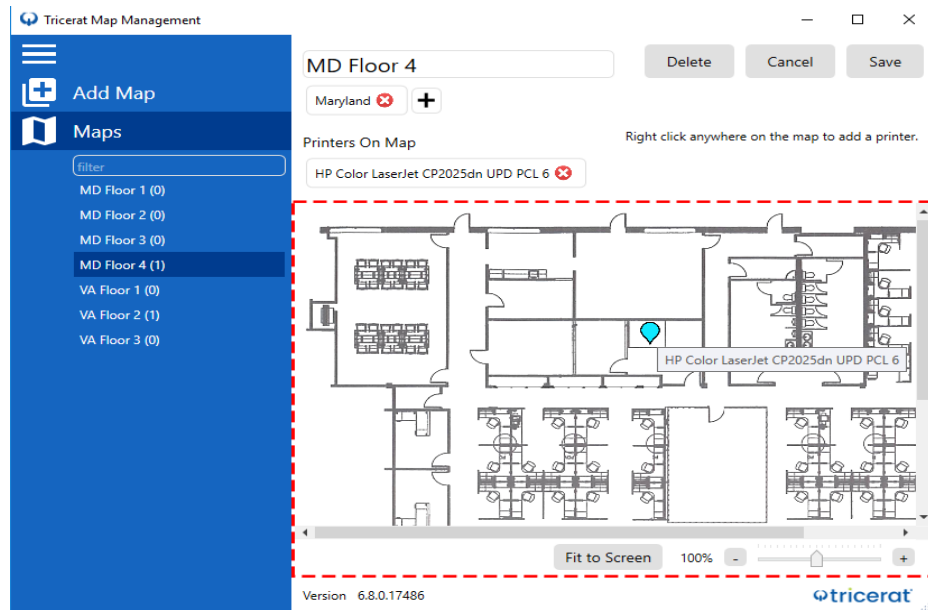
Figure A-9: Printer information displayed for a selected printer



6. Click Add Printer.

The Printers dialog box closes. You return to the map display. An icon is displayed for the added printer. If you place your cursor over the icon, a tooltip opens that displays the name of the printer.

Figure A-10: Added printer



7. Click Save.

The edited map is saved to the Simplify database.

To edit a saved map

1. If you have not done so already, open the Map Management Utility. (On the on the Simplify Console main menu, click Tools > External > Map Management Utility.)

The Map Management Utility main window opens. See [Figure A-1 on page 35](#).

2. In the Maps list, scroll to and select the appropriate map.

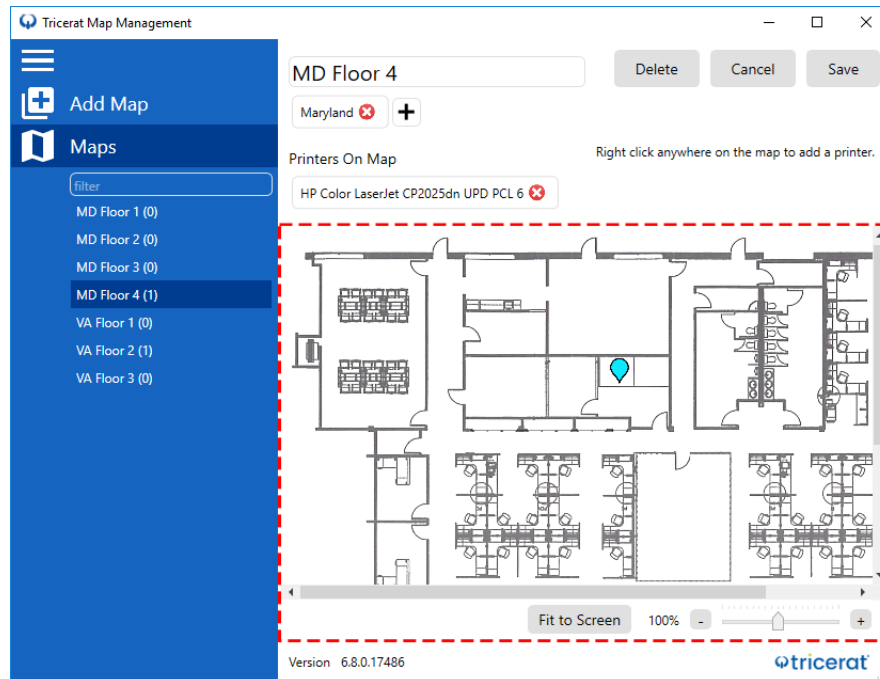



Optionally, to more easily locate the correct map, you can filter the Maps list.

3. Click Edit.

The map is enabled for editing. See [Figure A-11 on page 46](#).



Figure A-11: Map enabled for editing



4. Do any or all of the following as required:
 - Edit the map name. (The map name must be unique.)
 - To delete a printer from the map, click the Delete icon  that is displayed for the printer.



Deleting a printer from the map does not delete the printer from the Simplify database. If the printer has been assigned to any users, then these assignments remain in place.

- To add another tag to the map, click the Add icon  that is displayed at the far right of the tag list.
 - To delete a tag for the map, click the Delete icon  that is displayed for the tag.
5. Click Save.

Deleting a Saved Map

You can always delete a saved map from the Simplify database. When you delete a map, only the map is deleted from the Simplify database. Any printers that have been assigned to the map are not deleted and if owners have self-assigned these printers, then these assignments remain in place. Just as with adding a map, you must enable a map for editing to delete it.

To delete a saved map

1. If you have not done so already, open the Map Management Utility. (On the on the Simplify Console main menu, click Tools > External > Map Management Utility.)

The Map Management Utility main window opens. See [Figure A-1 on page 35](#).

2. In the Maps list, scroll to and select the appropriate map.

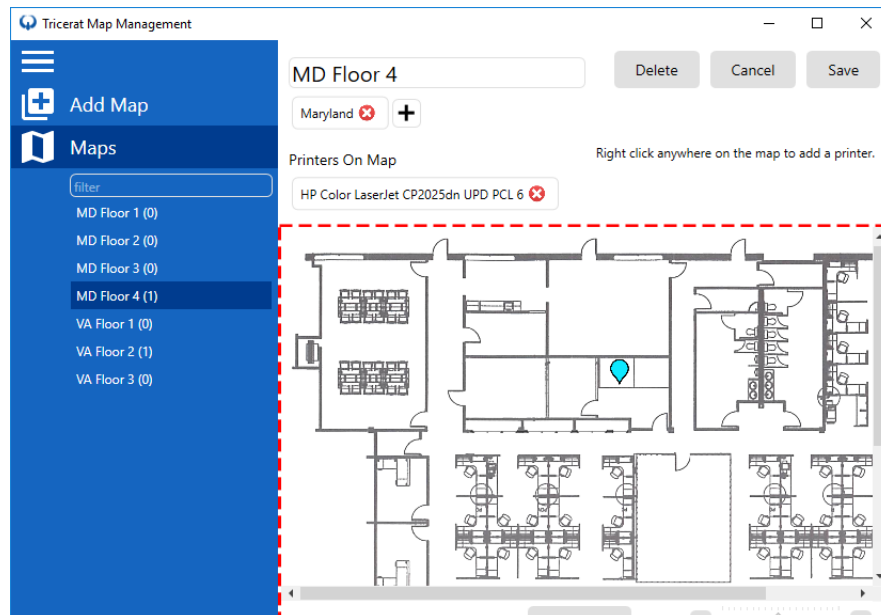


Optionally, to more easily locate the correct map, you can filter the Maps list.

3. Click Edit.

The map is enabled for editing.

Figure A-12: Map enabled for editing



4. Click Delete.