Fiery® Installer Builder User Guide

The Fiery Installer Builder is a tool that you can use to download and install a complete Fiery system software image to supported Fiery servers. Use the Fiery Installer Builder to perform the following tasks:

- Download the Fiery system software files to a local or network storage location.
- Format and load the system software on a USB flash drive for system software installation.
- Prepare the spare SATA hard disk drive (HDD) that you can install as a replacement HDD.
- Perform the network installation via a peer-to-peer Ethernet cable connection.

You can download the Fiery Installer Builder software from the from the EFI Sales Portal (fiery.efi.com/FIB).

What's new in this release

In this release, the following features are newly supported.

- Download factory image

  Fiery Installer Builder now supports downloading the original factory image from the cloud.

- Latest image notification

  This feature alert users when an updated Fiery software image is available on the EFI cloud. The latest image is always shown above the factory image.

© 2020 Electronics For Imaging, Inc.

4 May 2020

45209561

Summary of the Fiery Installer Builder features

The following table summarizes the supported installation methods and related hardware information based on the type of Fiery server.

Installation method	Fiery NX servers	Fiery A-series and E-series servers	Additional hardware required
USB Flash drive installation (page 7)	Supported	Supported	• USB flash drive with: • 16 to 32GB capacity for Fiery NX servers • 8 to 32GB capacity for Fiery A-series and E-series servers • Write-protection turned off
SATA HDD (page 7)	Supported (Fiery NX One server only)	-	• Replacement SATA HDD • SATA to USB adapter
Network Installation (page 9)	-	Supported	• Ethernet cable

Prerequisites

To use the Fiery Installer Builder, you need the following items to support all methods of installation.

- Any Windows computer with:
  - Windows 8.1, or Windows 10
  - USB port

    USB3.0 is recommended for faster installation.
  - An active Internet connection

    Internet access is required to download product images from the EFI cloud.
- EFI Sales Portal credentials

  Use your EFI Sales Portal credentials to authenticate to the site and download product images.

  You can also authenticate via the Fiery server; just enter the Fiery server's IP address, user name, and password.

  Note: If you authenticate via the Fiery server, you will download and install the same version of the system software that is installed on the server. To download the latest version from the EFI cloud, authenticate using your EFI Sales Portal credentials.

- One of the following:
  - **USB flash drive**: Use the USB flash drive to install the system software to an existing HDD on the Fiery server.

  Note: Due to the file system restriction, the maximum size of the USB flash drive is 32GB. The minimum size is 16GB for Fiery NX servers, and 8GB for A-series or E-series servers.

  - **SATA HDD**: This option is used only when you are replacing the HDD on a Fiery NX One server.

    If you are replacing the HDD on the Fiery server, you need a SATA to USB adapter. With this adapter, you can connect the SATA HDD to a USB 3.0 port on the Windows computer in which you installed the Fiery Installer Builder, and then prepare the SATA HDD for installation on the Fiery server. The SATA HDD will be formatted and the system software will be copied to a recovery folder on the SATA HDD.

    Note: The SATA to USB adapter is included in the Service Kit provided with the Fiery NX One server.

  - **Ethernet cable**: An Ethernet cable is required when you install a product image through a peer-to-peer network connection between your computer and the Fiery A-series or E-series servers.

Figure 1: Conceptual diagram of system software installation

Basic operations

This section provides information on the basic operations of the Fiery Installer Builder.

Install the Fiery Installer Builder software

To download and install the Fiery Installer Builder

1. On your Windows computer, open your web browser and access the EFI Sales Portal (fiery.efi.com/FIB).
2. Enter your account information to log on to the EFI Sales Portal.
3. Select Fiery Installer Builder from the list of links.
4. Click Download and read the license agreement.
5. Click Accept to start downloading the software.

6 Navigate to the downloaded Fiery Installer Builder software file and double-click the .exe file (the file type is Application).

When the installation is complete, the Fiery Installer Builder window appears automatically. The Fiery Installer Builder icon is placed on the Windows desktop.

Note: The Fiery Installer Builder is a self-updating application. When a newer version is detected, the Fiery Installer Builder downloads and installs the updated program files without user interaction.

To uninstall the Fiery Installer Builder

- From Windows Control Panel, select Uninstall a program. Right-click the Fiery Installer Builder and select Uninstall.

Start the Fiery Installer Builder

To start the Fiery Installer Builder

1 Double-click the Fiery Installer Builder icon on the desktop. You can also select Start > EFI > Fiery Installer Builder.

Important: Do not exit the Fiery Installer Builder before it completes the startup process. Exiting the program too early may damage the image.

2 If you start the Fiery Installer Builder for the first time, the Select location window appears. Specify the folder that you will use to store the Fiery products.

You can browse or enter a folder that is located on the local hard disk drive or in the network. The Fiery Installer Builder will keep this folder location so that you don't have to enter the folder name again the next time you start the Fiery Installer Builder.

You can change the storage location in the Settings window.

3 If you have started the Fiery Installer Builder before, the downloaded product images are listed in the window. The Add a new product icon appears if there is no product in the storage folder.

From this window, you can perform the following tasks:

- Add product images to the storage folder (see page 4)
- Remove product images from the storage folder (see page 6)
- Prepare a USB flash drive that you can use for system software installation (see page 7)
- Prepare a SATA HDD for a Fiery NX One server (see page 7)
- Install a product image to the Fiery server through a peer-to-peer network connection (see page 9)

Add a product image in the storage folder

To add a product image from the EFI cloud

1 Open Fiery Installer Builder (see page 4).

2 Click Add.

3 At the EFI Sales Portal window, enter your EFI Sales Portal credentials, and click Login. Proceed to step 4.

If you don't have an EFI Sales Portal account, you can create one at https://salesportal.efi.com/account/registration/.

You can also click the Fiery server link, then log in to the Fiery server by following the steps below.

a At the Please type a location prompt, enter the name or IP address of your Fiery server, and click Next.

b Enter Username and Password of the Fiery administrator, and click Next to log in to the server.

Contact the site administrator for the administrator's account information.

4 At the Select a Brand window, click a brand name and click Next.

5 At the Select a Product window, select the product image that you want to download, and click Next.

6 At the Summary window, click Terms of Use and Privacy Policy links to read the software license terms and conditions.

7 Click the check box if you agree with the terms and conditions, and click Accept to start the software download.

A status bar appears to show the progress. Wait until the download is complete.

8 When you finish downloading, exit Fiery Installer Builder and remove the USB flash drive from the computer. You can now use the USB flash disk drive to install the system software on the Fiery server.

For detailed procedures for installing the system software, see the *Installation and Service Guide* or *Service Guide* for the product.

To add a product image from a Fiery server connection

1 Open Fiery Installer Builder (see page 4).

2 Click Add.

3 Click the Fiery server link, then log in to the Fiery server by following the steps below.

a At the Please type a location prompt, enter the name or IP address of your Fiery server, and click Next.

b Enter Username and Password of the Fiery administrator, and click Next to log in to the server.

Contact the site administrator for the administrator's account information.

4 At the Select a Brand window, click a brand name and click Next.

5 At the Select a Product window, select a product image that you want to download, and click Next.

6 At the Summary window, click Terms of Use and Privacy Policy links to read the software license terms and conditions.

7 Click the check box if you agree with the terms and conditions, and click Accept to start the software download.

A status bar appears to show the progress. Wait until the download is complete.

8 When you finish downloading, exit Fiery Installer Builder and remove the USB flash drive from the computer. You can now use the USB flash drive to install the system software on the Fiery server.

For detailed procedures for installing the system software, see the *Installation and Service Guide* or *Service Guide* for the product.

Remove a product image from the storage folder

To remove a product image

1 Start Fiery Installer Builder (see page 4).

2 At the window listing the products, select a product image from the list and click Remove.

3 At the confirmation window, click OK.

Update a product image

Fiery Installer Builder detects when updated images are available for a product, it shows Update next to the Prepare action menu. You can download the updated product image by clicking Update.

To update the product image

1 Start Fiery Installer Builder (see page 4).

If there are any updates or patches available for a product, the Update button appears next to the Prepare action menu.

2 Click Update to start the update process.

3 Read the summary.

4 Click the check box if you agree with the terms and conditions, and click Accept to proceed.

5 Log in to the EFI Sales Portal.

Wait until the download is complete.

6 Prepare the USB flash drive (see page 7) and install the updated product image on the Fiery server.

Generate log files

Fiery Installer Builder can generate log files for use by technical support.

To generate logs

1 In the Fiery Installer Builder windows, click the Settings button on the lower right corner.

2 Click Generate Logs and specify the file name and location where you want to save the file.

3 Click Save.

Prepare the USB flash drive

You can use a USB flash drive to install the system software for Fiery NX, A-series, and E-series servers. Make sure that you are using a USB flash drive with maximum 32GB capacity (minimum capacity is 16GB for Fiery NX servers, and 8GB for A-series/E-series servers).

To prepare the USB flash drive

1 Connect the USB flash drive to the computer.

2 Open Fiery Installer Builder (see page 4).

3 At the window listing the products, select a product from the list.

4 From the Prepare action pull-down menu, select Prepare USB flash drive.

5 Click Next.

6 At the Select flash drive window, click the USB flash drive you connected to the computer, and click Next.

If more than one USB device are displayed, make sure to select the correct USB flash drive that you will use for installing the system software.

If the USB flash drive is not formatted properly for the component storage, a warning message "This USB flash drive will be formatted and all the data is this USB flash drive will be lost." appears. Click Next to format the drive and proceed.

Important: All data on the USB flash drive will be lost after format. Make sure that no valuable data resides on the drive.

Note: For NX servers, it will take approximately 30 to 40 minutes for formatting the USB flash drive and loading the files on to the drive. For A-series or E-series servers, it will take approximately 10 to 15 minutes. Do not interrupt the operation.

7 Once the preparation is completed, safely disconnect the USB flash drive from the computer.

You can now use the USB flash drive to install the system software.

Install the system software using the prepared USB flash drive

The installation procedure using the USB flash drive differs depending on the Fiery server hardware platform. For detailed procedures, see the *Installation and Service Guide* or *Service Guide* for the Fiery server you are servicing.

Prepare SATA HDD (Fiery NX One server only)

You can use Fiery Installer Builder to prepare the SATA HDD. Process to prepare a SATA HDD:

- Properly Format the SATA HDD.
- Load the system software on to the SATA HDD.

If you are replacing the SATA HDD with a new one on a Fiery server that ships without System Software media, we recommend you prepare the SATA HDD before you visit the customer site.

Proper handling of the SATA HDD

When you prepare the SATA HDD, keep the following items in mind:

Important: Improper handling can damage a HDD. Handle the HDD with extreme care.

- Use proper ESD practices when grounding yourself and the Fiery server.
- Keep magnetic and magnetic-sensitive objects away from the HDD.
- Do not remove the screws on top of the HDD. Loosening these screws voids the warranty.
- Never drop, shake, bump, or put excessive pressure on the HDD.
- Handle the HDD by its sides and avoid touching the printed circuit board.
- Allow the HDD to reach room temperature before installation.

When you carry the HDD to a customer site, remember following:

- Keep the HDD inside the ESD bag until you are ready to physically install it into the computer system.
- Avoid shaking the HDD.

Prepare the SATA HDD

To prepare SATA HDD and install the system software

1. Attach the USB to SATA adapter to an USB3.0 port on the computer in which you installed Fiery Installer Builder.
2. Connect the SATA HDD to the other end of the USB to SATA adapter.
3. Start Fiery Installer Builder (see page 4).
4. At the window listing the products, select the product image to install.
5. From the Prepare action pull-down menu, select Prepare SATA HDD.
6. At the Select a SATA HDD window, click the SATA HDD that you connected to the computer.
7. Click Next.

   The SATA HDD will be formatted and the product image you selected will be loaded on the SATA HDD.

8 Once the SATA HDD is prepared, remove the SATA HDD from the USB to SATA adapter.

You can now install the SATA HDD on the Fiery server.

For detailed instructions on how to install the SATA HDD on the Fiery server, see the *Installation and Service Guide*.

Note: If you are installing the SATA HDD on a Fiery server that is equipped with Fiery QuickTouch, follow the instructions shown on the Fiery LCD screen.

Install the system software using the SATA HDD

The Fiery server system software is stored in a recovery folder on the prepared replacement SATA HDD. Replace the HDD on the Fiery server with the prepared SATA HDD and restore the Fiery server system software from the recovery folder on the SATA HDD.

To install the system software

1 Remove all USB devices connected to the Fiery server.

2 Shut down the Fiery server (see *Installation and Service Guide*).

3 Remove all external cables from the Fiery server.

4 Replace the SATA HDD on the Fiery server with the prepared replacement SATA HDD (see *Installation and Service Guide*).

5 Plug the power cable into the wall power outlet.

6 Start the Fiery server (see *Installation and Service Guide*).

Allow the Fiery server to start.

7 When the language selection screen displays, select a language.

8 When “What do you want to do?” screen displays, select Restore using a backup image, or the recovery partition.

9 When “Select backup source” screen displays, select Restore from recovery partition.

10 When “All data on hard disk drive(s) will be erased. Continue?” message displays, select Continue to install the system software.

Install the system software through network connection (Fiery A-series or E-series servers)

When you install the system software, all the data on the HDD and the configuration information will be lost. Make sure to create a backup of the data and system configuration.

To install the system software through the network connection

1 Remove all USB devices that may be connected to the Fiery server.

2 If possible, print the Configuration pages.

The Configuration pages contain a list of any installed options and a record of the customer's current Setup configuration.

3 Power on the Windows computer and do the following:

- Open Fiery Installer Builder (see page 4).
- Close all software applications except the Fiery Installer Builder.
- Make sure that the Windows computer is configured to obtain its IP address automatically (DHCP).
- Remove any network cables between the Windows computer and the customer network.
- Disable all power-save and hibernation settings.

Important: It is important that you complete all of the tasks in the preceding list. If you do not complete these tasks, the installation may fail.

4 At the Downloaded window of the Fiery Installer Builder, select the product image that you are going to install.

5 From the Preparation action list, select Perform Network installation.

6 Read the instructions in the window, and click Next.

7 Power off the Fiery server (see the *Service Guide*).

8 Remove all external cables from the Fiery server, *except* the power cable.

Note: Be sure to leave the power cable connected between the Fiery server and the power outlet.

9 Flip both of the Fiery server service switches to the Service (ON) position.

Figure 2: Flipping the Fiery server service switches

1 *Flip the service switches from Normal (OFF) position...*

2 *...to Service mode (ON) position.*

Note: After you install the system software, return the service switches to normal mode (both switches set to OFF).

10 Connect the Ethernet cable between the Fiery server network port and an Ethernet port on the Windows computer.

11 Power on the Fiery server by pressing the power button once.

Wait approximately 15 seconds for the Fiery server to start up and show 00 on the LED display.

12 In the Select a Network Adapter window of the Fiery Installer Builder, select the network connection that is corresponding to the network port that you attached the Ethernet cable to, then click Next.

A message appears that indicates that the installation has started. Once the installation is complete, the Fiery server will be shut down automatically.

13 Flip both of the Fiery server service switches to the Normal (OFF) position.

Figure 3: Flipping the Fiery server service switches

1 Flip the service switches from Service (ON) position...

2 ...to Normal mode (OFF) position.

14 Disconnect the Ethernet cable from the Fiery server network port and the Windows computer.

15 Reconnect all the cables that were connected to the Fiery server.

16 Make sure that the Fiery server power switch is in the ON (|) position, and power on the Fiery server.

See the *Service Guide* for your Fiery server for more details.