



Juniper Secure Analytics

Installing JSA Using a Bootable USB Flash Drive

Release 2013.2

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CONTENTS

1	INSTALLING JSA USING A BOOTABLE USB FLASH DRIVE	
	Using JSA to Create a Bootable USB Flash Drive.	7
	Using Linux to Create a Bootable USB Flash Drive.	8
	Installing JSA Using a USB Flash Drive	10

1

INSTALLING JSA USING A BOOTABLE USB FLASH DRIVE

This technical note provides information on how to create a USB flash drive capable of completing a new installation of any Juniper Secure Analytics (JSA) product software.



NOTE

This document only applies to full installations; it does not apply to upgrades or patches. Information for patches is available in the release note documentation for your product.

Using JSA to Create a Bootable USB Flash Drive

You can use Juniper Secure Analytics (JSA) appliances from your deployment to create a bootable USB flash drive.

If the system you want to install resides in a JSA deployment in which other JSA systems are available, you can create a bootable USB flash drive on another JSA system. If the system you want to install is a standalone device, you can create a bootable USB flash drive on your desktop system.

To create a bootable USB flash drive:

- Step 1** Download the ISO file to your JSA system:
- a Access the Juniper Customer Support website (www.juniper.net/support/).
 - b Locate the STRM 2013.2R3 ISO file on the Juniper Customer Support website.
 - c Copy the ISO image to a directory on your JSA system.

For example, /tmp.

- Step 2** Using SSH, log in to your JSA system as the root user:

Username: `root`

Password: `<password>`

- Step 3** Insert your USB flash drive into the USB port on your system.

Note: Depending on your system, it might take up to 30 seconds for the USB flash drive to be recognized.

Step 4 Run the following command to mount the ISO image:

```
mount -o loop /tmp/<name of the iso image>.iso /media/cdrom
```

Where <name of the iso image> is the ISO image downloaded from the Juniper Customer Support website in [Step 1](#).

Step 5 Run the following command to copy the USB creation script from the mounted ISO image to the /tmp directory:

```
cp /media/cdrom/post/create-usb-install-key.py /tmp/
```

Step 6 Run the following command to start the USB creation script:

```
/tmp/create-usb-key.py
```

Step 7 Press **Enter**.

Step 8 Press **1**, and type the path to the ISO image.

For example,

```
/tmp/<name of the iso image>.iso
```

Step 9 Press **2**, and select the drive containing your USB flash drive.

Step 10 Press **3** to create your USB key.

The process of writing the ISO image to your USB flash drive takes several minutes to complete. When the ISO is loaded onto the USB flash drive, a confirmation message appears.

Step 11 Press **q** to quit the USB key script.

Step 12 Remove the USB flash drive from your JSA system.

You are now ready to use your USB flash drive to install JSA on your appliance.

Using Linux to Create a Bootable USB Flash Drive

You can use a Linux RedHat 6.3 system to create a bootable USB flash drive for Juniper Secure Analytics (JSA).

To create a bootable USB flash drive:

Step 1 Download the ISO file to your JSA system:

- a Access the Juniper Customer Support website (www.juniper.net/support/).
- b Locate the STRM 2013.2R3 ISO file on the Juniper Customer Support website.
- c Save the file.
- d Copy the ISO image to a directory on your JSA system.

For example, /tmp.

Step 2 Download the create-usb-install-key.py script:

- a Access the Juniper Customer Support website (www.juniper.net/support/).
- b Locate the script on the Juniper Customer Support website.

Note: The `create-usb-install-key.py` script is also included in the ISO file (STRM 2013.2.607582). The script is located in the `/post` directory, after you mount the ISO.

- c Save the file.
- d Copy the `create-usb-install-key.py` script to a directory on your JSA system.
For example, `/tmp`.

Step 3 Run the following command to mount the ISO image:

```
mount -o loop /tmp/<name of the iso image>.iso /media/cdrom
```

Where `<name of the iso image>` is the ISO downloaded from the Juniper Customer Support website in [Step 1](#).

Step 4 Log in to your Linux-based system as the root user:

Username: `root`

Password: `<password>`

Step 5 Update your Linux-based system to include the following packages:

- `syslinux`
- `mtools`
- `dosfstools`
- `parted`

For information on the specific package manager for your Linux system, see your vendor documentation.

Step 6 Insert your USB flash drive into the USB port on your system.

Depending on your system, it might take up to 30 seconds for the USB flash drive to be recognized.

Step 7 Run the following command to start the USB creation script:

```
/tmp/create-usb-install-key.py
```

Step 8 Press **Enter**.

Step 9 Press **1**, and then press **Enter** to type the path to the ISO file.

For example,

```
/tmp/Rhe664STRM2013.2r3.607582.iso
```

Step 10 Press **2**, and select the drive containing your USB flash drive.

Step 11 Press **3** to create your USB key.

Step 12 Type **create**, and press **Enter** to start the USB creation process.

The process of writing the ISO image to your USB flash drive takes several minutes to complete. When the ISO is loaded onto the USB flash drive, a confirmation message appears.

Step 13 Press **q** to quit the USB key script.

Step 14 Remove the USB flash drive from your JSA system.

You are now ready to use your USB flash drive to install JSA on your appliance.

Installing JSA Using a USB Flash Drive

You can now install your Juniper Secure Analytics (JSA) appliance using a bootable USB flash drive.

Step 1 Restart the appliance.

Step 2 Press the key required to load the boot menu for your appliance.

Step 3 Select **USB** as the boot option.

The USB flash drive prepares for the JSA installation. It can take up to an hour to start the installation process.

Step 4 Optional. If you are overwriting an existing JSA installation, type **FLATTEN** when prompted.

Step 5 When the login prompt appears, type **root**.

Step 6 Type **SETUP** to begin the installation.

Step 7 Follow the prompts to install JSA.

The remaining steps are documented in the installation guide for your software product.