ZAXAPSE SOFTWARE-DEFINED VIDEO PLATFORM

Zixi Installation Guide

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* See back for additional licensing information

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Introduction

This Installation Guide includes installation procedures for the following Zixi SDVP products on Linux and Windows environments:

- Zixi Feeder
- Zixi Broadcaster
- Zixi Receiver

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You can also install Zixi products in a Docker container. For an explanation of how to build and use Docker containers to deploy Zixi products, see **How to Use ZIXI BROADCASTERS/FEEDERS/RECEIVERS IN DOCKER CONTAINERS**.

Network Settings

The following ports must be opened on your Firewall(s) for inbound and outbound traffic as described below:

Port	Туре	Direction	Description	
2088	UDP	Outbound	Feeder push to Broadcaster, Zixi protocol	
7088	UDP	Outbound	Feeder push to Broadcaster, Zixi protocol with DTLS	
80/443	ТСР	Outbound	Outbound + return - Zixi License server - license.zixi.com - 52.72.218.41 - 34.195.97.223	
1935	ТСР	Inbound	Encoder push to Feeder, RTMP protocol	
4200	ТСР	Inbound	Web management UI, HTTP protocol	
53	DNS	Outbound	Outbound + return - communication to license server, Broadcaster host name resolution	

Zixi Feeder Network Settings

Zixi Broadcaster Network Settings

Port	Туре	Direction	Description
2088	UDP	Inbound	Feeder push to Broadcaster, Zixi protocol

Port	Туре	Direction	Description	
7088	UDP	Inbound	Feeder push to Broadcaster, Zixi protocol with DTLS	
2077	UDP	Inbound	Receiver pull from Broadcaster, Zixi protocol	
7077	UDP	Inbound	Receiver pull from Broadcaster, Zixi protocol with DTLS	
1935	ТСР	Inbound	Encoder push to Broadcaster, RTMP protocol	
1935	ТСР	Outbound	Broadcaster push to CDN or RTMP server, RTMP protocol	
7777	ТСР	Inbound	HTML5 video player or CDN pull from Broadcaster, HTTP streaming protocol - HLS or DASH	
4444	ТСР	Inbound	Web management UI, HTTP protocol	
80/443	ТСР	Outbound	Outbound + return - Zixi License server - license.zixi.com - 52.72.218.41 - 34.195.97.223	
53	DNS	Outbound	Outbound + return - communication to license server, Broadcaster/Feeder/Receiver host name resolution	

Zixi Receiver Network Settings

Port	Туре	Direction	Description	
2077	UDP	Outbound	Receiver pull from Broadcaster, Zixi protocol	
7077	UDP	Outbound	Receiver pull from Broadcaster, Zixi protocol with DTLS	
4300	ТСР	Inbound	Web management UI, HTTP protocol	
80/443	ТСР	Outbound	Outbound + return - Zixi License server - license.zixi.com - 52.72.218.41 - 34.195.97.223	
53	DNS	Outbound	Outbound + return - communication to license server, Broadcaster host name resolution	

ZEN Master Network Settings

The following network settings are required to connect the various Zixi products to ZEN Master.

Zixi Feeder – ZEN Master Netv	work Settings
-------------------------------	---------------

Туре	Port	Direction	Description
ТСР	80/443	Outbound + Return	
SSH	22	Outbound + Return	ZEN Master to <customer>.io.zixi.com</customer>
UDP	2077 / 2088	Outbound + Return	Stream authentication to <customer>.io.zixi.com</customer>
UDP	7077 / 7088	Outbound + Return	DTLS communication to customer.io.zixi.com

Zixi Broadcaster – ZEN Master Network Settings

Туре	Port	Direction	Description
ТСР	80/443	Outbound + Return	ZEN Master Authentication Servers: - 18.210.103.157 - 23.20.44.73 - 34.200.88.233 - 34.238.1.65 - 35.170.111.151 - 52.4.9.203 Or <customer>.zen.zixi.com</customer>
SSH	22	Outbound + Return	ZEN Master to <customer>.io.zixi.com Or <customer>.zen.zixi.com</customer></customer>
UDP	2077 / 2088	Outbound + Return	Stream authentication to <customer>.io.zixi.com Or <customer>.zen.zixi.com</customer></customer>
UDP	7077 / 7088	Outbound + Return	DTLS communication to customer.io.zixi.com Or <customer>.zen.zixi.com</customer>

Туре	Port	Direction	Description
ТСР	80/443	Outbound + Return	
SSH	22	Outbound + Return	ZEN Master to <customer>.io.zixi.com</customer>
UDP	2077 / 2088	Outbound + Return	Stream authentication to <customer>.io.zixi.com</customer>
UDP	7077 / 7088	Outbound + Return	DTLS communication to customer.io.zixi.com

Zixi Receiver – ZEN Master Network Settings

Installing Zixi Products

All Zixi SDVP products (Feeder, Broadcaster and Receiver) can be installed and run on either Linux or Windows environments. The following sections describe the system requirements and installation procedures for each type of OS.

For instructions on how to install CentOS 7.x, see - Installing CentOS 7

Installing Zixi Products on Linux

For instructions on how to install CentOS 7.x, see - Installing CentOS 7



➡ To install Zixi products on a Linux environment:

- 1. Check that you have credentials to login to the Zixi Customer Portal. If you don't have them, please contact Zixi Support at support@zixi.com.
- Check that your system meets the system requirements, see System Requirements -LINUX.
- 3. Download and extract the installation file(s) using the procedures described in **DOWNLOADING AND EXTRACTING THE INSTALLATION FILE.**
- 4. Activate the license through the web-based management UI using the procedures described in ACTIVATING THE LICENSE.

System Requirements - Linux

Hardware

- CPU: Intel i3 dual core CPU or above
- RAM: 2 GB RAM (minimum)
- Networking: 2 x 1GB network card

Operating System

- Zixi Broadcaster 64-bit CentOS 7.x or an equivalent Linux distribution with glibc 2.14+
- Zixi Feeder and Receiver Linux CentOS 6/7, must be a 64-bit distribution
- Linux Ubuntu 12 or later, 64-bit
- Linux Debian 7 or later, 64-bit
- Non-GUI server distribution recommended due to conflicts with NetworkManager GUI application.

Network Management

- Feeder GUI: TCP 4200
- Broadcaster GUI: TCP 4444
- **9** | Zixi Feeder

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- Receiver GUI: TCP 4300
- SSH Remote Tunnel: If enabled, the device reaches out on port 22 to the remote access server.

Downloading and Extracting the Installation File - Linux

All Zixi software covered by your license agreement is available for download on your Zixi Customer Portal. You can either download the files directly to your local machine or you can use a CLI command to install it on a remote server. The procedures for downloading and extracting all Zixi products (Feeder, Broadcaster and Receiver) are identical.

Make sure you are logged in as a Root user. If you are not logged in as a Root user, use the "su" command.

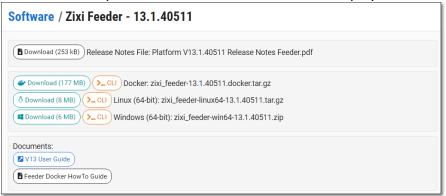
➡ To download and extract the relevant file:

- 1. Access the Zixi Customer Portal at <u>https://portal.zixi.com</u>.
- 2. Log in using your Username and Password.
- 3. In the Main Navigation, click **Software**.
- 4. At the top of the Software screen, click on the button of the product that you would like to install.

Z/X/ CUSTON	IER PORTAL	
Dashboard	Software	
Software		
Documentation Partners		Receiver) (Zixi VLC Plugin) (Zixi Video Accelerator Proxy) (OBS Studio with Zixi Integration) er for Wirecast) (Zixi Feeder/Receiver for MediaConnect)
 Partners License Keys 		
Lo My Settings		Zixi Broadcaster ∓
Need Help?	V. 14.0.40901	Added Friday, October 9, 2020
 Zixi 	Release Notes (File) Linux (64-bit) Windows (64-bit)	
	V. 14.0.40554	Added Wednesday, September 2, 2020
	 B Release Notes (File) 	
	V. 14.0.40530	Added Monday, August 31, 2020
	 B Release Notes (File) ∆ Linux (64-bit) ■ Windows (64-bit) 	

The available software versions for the selected product (which are available for your account) are displayed.

5. Click on the box of the version that you would like to install. The download options for the selected version are displayed.



- 6. Create a Zixi folder and change to that directory by typing the following commands in the Linux console:
 - # mkdir /zixi
 - # cd /zixi
- 7. Download the installation file using a "wget" command by clicking on the *Linux* >_CLI button. The complete "wget" CLI command is shown, containing all of the required information about the installation file for the selected product version.

Software / Zixi Feeder - 13.1.40511	
(Download (253 kB)) Release Notes File: Platform V13.1.40511 Release Notes Feeder.pdf	
Download (177 MB) Docker: zixi_feeder-13.1.40511.docker.tar.gz	
(Download (8 MB) Linux (64-bit): zixi_feeder-linux64-13.1.40511.tar.gz	
(Download (6 MB)) Windows (64-bit): zixi_feeder-win64-13.1.40511.zip	
Expires in 10 minutes (Oct 19, 2020, 1:19:16 PM)	
wget "https://customer-portal-files-prod.s3.us-east-2.amazonaws.com/zixi_feeder-linux64-13.1.40511.tar.gz?X-Amz-Algo Credential=AKIAWXTQSVYGW4WS7HMX%2F20201019%2Fus-east-2%2Fs3%2Faws4_request&X-Amz-Date=20201019T1009 Signature=7f177f05ac4a8add8acbbf594158607578516731580b64395feaa98d67317c5d&X-Amz-SignedHeaders=host" - 0 "z	16Z&X-Amz-Expires=600&X-Amz-
curl "https://customer-portal-files-prod.s3.us-east-2.amazonaws.com/zixi_feeder-linux64-13.1.40511.tar.gz?X-Amz-Algor Credential=AKIAWXTQSVYGW4WS7HMX%2F20201019%2Fus-east-2%2Fs3%2Faws4_request&X-Amz-Date=20201019T1009 Signature=7f177f05ac4a8add8acbbf594158607578516731580b64395feaa98d67317c5d&X-Amz-SignedHeaders=host"ou	16Z&X-Amz-Expires=600&X-Amz-
© Close	

8. Copy the "wget" and execute it in the Linux console.

Alternatively, you can download the installation file by clicking on the Linux Download button or by executing the "curl" command.

- 9. Extract the installation file by typing the following command:
 - # tar xvf <zixi_product>-<version_number>.tar.gz
 - # cd <zixi product>
- 10. Run the installation script file by typing the following command:
 - #./installMe.sh

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- 11. Run prerequisites script file by typing the following command:
 #./prerequisites.sh
- 12. The Zixi Broadcaster requires certain ports to be opened for management via the UI and for receiving video streams and sending video streams. Please adjust your firewall settings in firewalld, iptables, or any other firewall software you are using according to the port lists shown on Network Settings

Following the completion of the installation, proceed to **ACTIVATING THE LICENSE**.

Installing Zixi Products on Windows

- To install Zixi products on a Windows environment:
 - 1. Check that you have credentials to sign in to your account on the Zixi Customer Portal. If you don't have them, please contact *Zixi Support* at support@zixi.com.
 - Check that your system meets the system requirements, see SYSTEM REQUIREMENTS -WINDOWS.
 - 3. Download and extract the installation file(s) using the procedures described in DOWNLOADING AND RUNNING THE INSTALLATION.
 - 4. Activate the license through the web-based management UI using the procedures described in ACTIVATING THE LICENSE.

System Requirements - Windows

Hardware

- Recommended processor: Intel[®] Core[™] i3 dual-core or quad-core
- Memory requirements: 2GB (minimum)
- Network interface cards: Minimum of two gigabit Ethernet adapters are required

Operating System

- Windows[®] Server 2012/2016/2019, 32-bit or 64-bit
- Windows 8/10, 32-bit or 64-bit

Windows releases are supported per the Microsoft support schedule. Server OS is preferred for 24/7. Desktop OS, if used, should be configured to disable auto updates and prefer background service priority.

Network Management

- Feeder GUI: TCP 4200
- Broadcaster GUI: TCP 4444
- Receiver GUI: TCP 4300

• SSH Remote Tunnel: If enabled, the device reaches out on port 22 to the remote access server.

Network Streaming

• See Network Settings

Downloading and Running the Installation

All Zixi software covered by your license agreement is available for download on your Zixi Customer Portal. The procedures for downloading and extracting all Zixi products (Feeder, Broadcaster and Receiver) are identical.

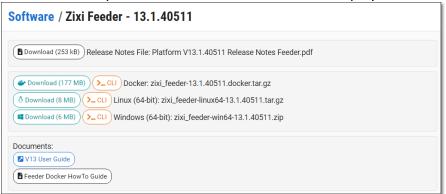
➡ To download and run the installation:

- 1. Access the Zixi Customer Portal at https://portal.zixi.com.
- 2. Log in using your Username and Password.
- 3. In the Main Navigation, click **Software**.
- 4. At the top of the Software screen, click on the button of the product that you would like to install.

Z/X/ CUSTON	NER PORTAL	
Dashboard	Software	
Software	Zixi Broadcaster Zixi Feeder Zixi Rece	eiver) (Zixi VLC Plugin) (Zixi Video Accelerator Proxy) (OBS Studio with Zixi Integration)
n Partners	Zixi Feeder for OBS Studio Zixi Feeder fo	r Wirecast) (Zixi Feeder/Receiver for MediaConnect)
 License Keys My Settings 		Zixi Broadcaster 🕫
Need Help?	V. 14.0.40901	Added Friday, October 9, 2020
Zixi	Release Notes (File) Linux (64-bit) Windows (64-bit)	
	V. 14.0.40554	Added Wednesday, September 2, 2020
	 B Release Notes (File) → Docker	
	V. 14.0.40530	Added Monday, August 31, 2020
	 Release Notes (File) Linux (64-bit) Windows (64-bit) 	

The available software versions for the selected product (which are available for your account) are displayed.

5. Click on the box of the version that you would like to install. The download options for the selected version are displayed.



- 6. To download the file, click on the *Windows* **Download** button and navigate to the location where you would like to save the file.
- 7. Double-click on the Zixi Broadcaster installation file.

The License Agreement window appears.

Z Zixi Broadcaster Setup —			×
License Agreement			_
Please review the license terms before installing Zixi Broadcaster.			Ζ
Press Page Down to see the rest of the agreement.			
ğıxi LLC. Software License Agreement			^
BY CLICKING THE "I AGREE" BUTTON, YOU (THE "LICENSEE") AGREE TO BE 6 THE TERMS AND CONDITIONS OF THIS ZIXI SOFTWARE LICENSE AGREEMEN "AGREEMENT"). PLEASE READ THIS AGREEMENT CAREFULLY BEFORE CLICK AGREE® TO NELOW. IF YOU DO NOT AGREE TO ALL OF THE TERMS OF AGREE® MENT, PLEASE DO NOT CLICK THE "I AGREE" BUTTON, BUT CLICK TH AGREE® BUTTON AND YOU WILL NOT BE ABLE TO INSTALL AND USE THE ZIX SOFTWARE PRODUCTS.	NT (TH ING TH THIS E "I DO	HE "I	~
If you accept the terms of the agreement, click I Agree to continue. You must agreement to install Zixi Broadcaster.	t acce	pt the	
Zixi LLC]	Canc	el

8. After reading the license agreement, click **I Agree**. The **Installation Location** window appears.

Z Zixi Broadcaster Setup	indon d	-		×
Choose Install Location Choose the folder in which to install Zixi Broadca	ster.			Z
Setup will install Zixi Broadcaster in the following Browse and select another folder. Click Next to o		in a different fo	older, click	c
Destination Folder		Brov	/se	
Space required: 60.9MB Space available: 97.6GB Ztxi LLC.				
	< Back	Next >	Cano	el

- 9. Select the folder in which the Broadcaster files will be installed. The default location is in the Zixi folder which is in the Program Files folder.
- 10. Click Next.

The Broadcaster ID windo	ow appe	ears.		
Z Zixi Broadcaster Setup		_		×
Zixi Broadcaster Configuration Please take a moment to go over the default of	onfiguration for	Zixi Broadcaste	er.	Ζ
Zixi Broadcaster network ID:				
ELI-PC				
Zixi LLC,				
	< Back	Install	C	ancel

11. Enter a name for the **Broadcaster ID**. The default name is the local host.

12. Click Install.

The installation progress window appears.

Z Zixi Broadcaster Setup		-	
Installation Complete Setup was completed successfully.			Ζ
,-			
Completed			
Show details			
Zixi LLC,			
	< Back	Close	Cancel

- 13. The Zixi Broadcaster requires certain ports to be opened for management via the UI and for receiving video streams and sending video streams. Please adjust your firewall settings in firewalld, iptables, or any other firewall software you are using according to the port lists shown on Network Settings
- 14. When the installation is complete, click **Close**.

The Broadcaster Login page opens in your browser.

Following the completion of the installation, proceed to **ACTIVATING THE LICENSE**.

Activating the License

Activation of the licenses is performed in the relevant web-based management UI. For all Zixi products (Feeder, Broadcaster and Receiver), the installation can be done online using a *License Key* or offline using a *License File*.

To activate Zixi license online, ensure connection to URL: license.zixi.com via TCP port 80. If you cannot open this connection, you can activate your license through a "License File". To obtain a license file, please contact *Zixi Support* at support@zixi.com.

Zixi Feeder

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When logging in to a Zixi Feeder for the first time, you must activate the Zixi license.

Logging in to Zixi Feeder

- ➡ To log in to Zixi Feeder:
 - In your web browser, navigate to <u>http://localhost:4200</u>. A user authentication window opens.
 - 2. In the User Name field, enter 'admin'.
 - 3. In the Password field, enter '1234'.
 - 4. Click **OK**.

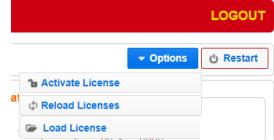
The Feeder UI opens on the Status page.

Online Activation (License Key)

The following procedure requires connectivity to the Internet. If you are not able to connect, you can activate the Feeder using the procedure described in **OFFLINE ACTIVATION (LICENSE FILE)**.

➡ To Activate the License online using a License Key:

- 1. In the **Status** page of the Zixi Feeder UI, click **Options** in the menu bar.
 - The drop-down menu is displayed.



- Click Activate License. The Activate License window appears.
- 17 | Zixi Feeder

Key:	Activate Licen	56	~
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- 3. In the **Key** field, enter your Activation Key.
- 4. Click Activate.

The Zixi Feeder is enabled.

Offline Activation (License File)

If you want to activate your license without an internet connection, you can upload a *License File*. To obtain a License File, please contact *Zixi Support* at support@zixi.com.

➡ To Load the License File:

1. In the **Status** page of the Zixi Feeder UI, click **Options** in the menu bar. The drop-down menu is displayed.

	LOGOUT
	් Restart
1 Activate License	
🕞 Load License	

2. Click Load License.

The directory of the local drive opens.

- Navigate to the License File and click **Open**.
 A prompt window instructs you to Reload the license to activate the license.
- 4. Click again on **Options** and select **Reload Licenses** from the dropdown menu. The Zixi Feeder is enabled.

Zixi Broadcaster

When logging in to a Zixi Broadcaster for the first time, you must activate the Zixi license.

Logging in to Zixi Broadcaster

- ➡ To log in to Zixi Broadcaster:
 - In your web browser, navigate to http://localhost:4444. A user authentication window opens.

- 2. In the User Name field, enter 'admin'.
- 3. In the **Password** field, enter '1234'.
- 4. Click **OK**. The Broadcaster UI opens on the **Status** page.

Online Activation (License Key)

The following procedure requires connectivity to the Internet. If you are not able to connect, you can activate the Broadcaster using the procedure described in **OFFLINE ACTIVATION (LICENSE FILE)**.

- ➡ To Activate the License online using a License Key:
 - 1. In the **Status** page of the Zixi Broadcaster UI, click **Options** in the menu bar. The drop-down menu is displayed.

		LOGOUT
ন Network Test	▼ Options	ථ Restart
1 Activate License		
φ Reload Licenses		
🕞 Load License		
Ŧ Upgrade		

2. Click Activate License.

The Activate License window appears.

Key:	Key:	Activate Licen	se X
		Key:	

- 3. In the **Key** field, enter your Activation Key.
- 4. Click Activate.

The Zixi Broadcaster is enabled.

Offline Activation (License File)

If you want to activate your license without an internet connection, you can upload a License File. To obtain a license file, please contact *Zixi Support* at support@zixi.com.

➡ To Load the License File:

1. In the **Status** page of the Zixi Broadcaster UI, click **Options** in the menu bar. The drop-down menu is displayed.

		LOGOUT
ন Network Test	▼ Options	() Restart
a Activate License		
CALC Reload Licenses		
🕞 Load License		
∓ Upgrade		

2. Click Load License.

The directory of the local drive opens.

- Navigate to the License File and click **Open**.
 A prompt window instructs you to Reload the license to activate the license.
- 4. Click again on **Options** and select **Reload Licenses** from the dropdown menu. The Zixi Broadcaster is enabled.

Zixi Receiver

When logging in to a Zixi Receiver for the first time, you must activate the Zixi license.

Logging in to Zixi Receiver

- ➡ To log in to Zixi Receiver:
 - In your web browser, navigate to <u>http://localhost:4300</u>. A user authentication window opens.
 - 2. In the User Name field, enter 'admin'.
 - 3. In the **Password** field, enter '1234'.
 - 4. Click OK.

The Receiver UI opens on the **Status** page.

Online Activation (License Key)

The following procedure requires connectivity to the Internet. If you are not able to connect, you can activate the Receiver using the procedure described in **OFFLINE ACTIVATION (LICENSE FILE)**.

➡ To Activate the License online using a License Key:

1. In the **Status** page of the Zixi Receiver UI, click **Options** in the menu bar. The drop-down options menu is displayed.

	LOGOU.
	් Restart
1 Activate License	
Contract	
🕞 Load License	

2. Click Activate License.

The Activate License window appears.

- 3. In the **Key** field, enter your Activation Key.
- 4. Click Activate.

The Zixi Receiver is enabled.

Offline Activation (License File)

If you want to activate your license without an internet connection, you can upload a license file. To obtain a license file, please contact *Zixi Support* at support@zixi.com.



1. In the **Status** page of the Zixi Receiver UI, click **Options** in the menu bar. The drop-down options menu is displayed.

		LOGOU
	 Options 	් Restart
1 Activate License		
Contract		
🖝 Load License		

2. Click Load License.

The directory of the local drive opens.

- 3. Navigate to the License File and click **Open**. A prompt window instructs you to Reload the license to activate the license.
- 4. Click again on **Options** and select **Reload Licenses** from the dropdown menu. The Zixi Receiver is enabled.

Installing CentOS 7

The following instructions are designed to help you install CentOS 7.x. After installing the operating system, follow the instructions in the **Installing Zixi Products on Linux** section to complete the installation.

➡ To install CentOS 7 on your computer:

- Download the "CentOS-7x86_64-Minimal-1908.iso" file from the following link: <u>http://mirrors.seas.harvard.edu/centos/7.7.1908/isos/x86_64/</u> A list of additional mirrors can be found at <u>http://isoredirect.centos.org/centos/7/isos/x86_64/</u>
- 2. Copy the downloaded file to a FAT 32 formatted USB thumb drive of good quality with at least 8 GB of space.
- 3. To create a bootable USB drive, download **Rufus** to your computer from the following link <u>https://rufus.akeo.ie/</u>
- 4. Right-click on the **Rufus** icon and choose **Run as Administrator**. The following screen is displayed:

	0		· /
2	Rutus 2.1	8.1213 -	- 🗆 ×
Device			
ZIXI_19_SO	(I.) [9GB]		~
Partition Sch	eine and target system	ntype	
MBR partitio	on scheme for BIOS or	UER	~
file system			
FAT32 (Defa	սԱ		¥
Cluster size			
4096 bytes (Default)		~
New volume	label		
CentOS 7 x8	6 64		
Format Opt	ions 💟		
Check d	evice for bad blocks	1 Pass	v
Quick fo	rmat		
Create a	bootable disk using	ISO image	v 🚯
Create a	oxtended label and ico	-	~
			- 2 3
	REA	DY	
	1	r	
About	Log	Start	Close
Jsing image	CentOS-7-x86_64-	Minimal-1708.i.	#

- 5. In the **Device** field, select the name of your USB thumb drive.
- 6. In the **Create bootable disk using** field, select the format of the downloaded image (e.g. ISO image).
- 7. Click on the disk icon to browse to the CentOS 7 ISO to install.
- 8. Click Start.

The process will take a couple minutes and the lower window will display "READY!" when done.

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- 9. Remove the USB and install it on the machine you will be installing CentOS on.
- 10. Boot your computer by restarting it and then waiting for that first screen to be displayed.
- 11. Press the boot option key as instructed on the first screen (e.g. often, it'll say something like "Press F12 to Choose Boot Device").
- 12. Wait a moment to continue booting until you see a menu pop up with a list of choices on it. Highlight your USB drive and press **Enter**.
- 13. Exit out of your BIOS, while saving your changes. Usually, this option is under "Exit" on the main menu, or available via a keyboard shortcut listed (e.g. F4) somewhere on your screen.

Your computer should reboot. If you're prompted to "**Press any key to boot from CD/DVD**" do so. Your computer should boot into the USB drive instead of your normal operating system.

Make sure ALL network adapters are connected and ON in order for the Linux installation protocol to be able to SEE them. Otherwise, they will not be set to start up on boot.

14. On the following CentOS 7 prompt screen, select Install CentOS 7 and then press Enter.



- To setup CentOS 7:
 - 1. On the CentOS welcome screen, select the desired language and click **Continue**.

105	100000000000000000000000000000000000000		1000000	
.05	WELCOME TO CENTOS 7.			
What Lang	uaga would you like to	suse duri	ng the installation process?	
Export	English	>	English (United States)	
Africaans	Afrikaans		English (United Kingdom)	
APROT	Amhasic		English (India)	
الغرببة	Arabic		English (Australia)	
অসমীয়া	Assamese		English (Canada) English (Dermark)	
Asturianu	Asturian		English (ireland)	
Беларуская	Belavusian		English (New Zealand) English (New Zealand)	
Elwrapcio	Bulgarian			
रा भ	Bengali		English (Hong Xong SAR Chine)	
Type there for anothe		-0		
1. Letter and a second				

2. On the main screen, click **Date & Time** and then set the time zone, date, and time and then click **Done** (located in the upper left corner).

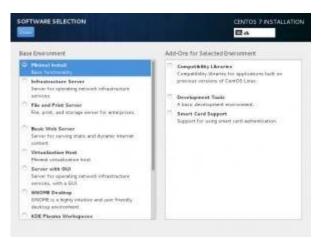


- 3. On the main screen, click **Keyboard** and then click the big "+" button in the lower left corner and find your keyboards language (you can search), click **Add** to add it and then click **Done** (located in the upper left corner). When finished, click **Done** (located in the upper left corner).
- 4. On the main screen, click Language Support and select the language of your choice, (default is English) and then click Done (located in the upper left corner).



5. On the main screen, click **Installation Source** and select the installation USB as the installation source. When finished, click **Done** (located in the upper left corner).

6. On the main screen, click **Software Selection** and select Minimal Installation (you may select another type of installation, but this is the minimal default requirement for installing Zixi. When finished, click **Done** (located in the upper left corner).



Uninstalling Zixi Products on Linux

Uninstalling Zixi Broadcaster on Linux

➡ To uninstall Zixi Broadcaster:

- 1. As a Root user, run the following command to stop the service:
 # systemctl stop zixibc.service
- 2. Run the following commands:
 - # systemctl disable zixibc.service
 - # rm /etc/systemd/system/zixibc.service
 - # systemctl daemon-reload
 - # systemctl reset-failed
- 3. Delete the directory where Broadcaster was installed, for example:
 - # /zixi/zixi_broadcaster-centos7-transcoder

Uninstalling Zixi Feeder on Linux

➡ To uninstall Zixi Feeder:

- 1. As a Root user, run the following command to stop the service:
 - # systemctl stop zixifeeder.service
- 2. Run the following commands:
 - # systemctl disable zixifeeder.service
 - # rm /etc/systemd/system/zixifeeder.service
 - # systemctl daemon-reload
 - # systemctl reset-failed
- 3. Delete the directory where Broadcaster was installed, for example: # /zixi/zixi_feeder-linux64

Uninstalling Zixi Receiver on Linux

- To uninstall Zixi Receiver:
 - 1. As a Root user, run the following command to stop the service:
 - # systemctl stop zixireceiver.service
 - 2. Run the following commands:
 - # systemctl disable zixireceiver.service
 - # rm /etc/systemd/system/zixireceiver.service

systemctl daemon-reload

- # systemctl reset-failed
- 3. Delete the directory where Broadcaster was installed, for example:
 - # /zixi/ /zixi/zixi_receiver-linux64

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