This How-To briefly describes how to configure Telestream Wirecast to contribute video feeds into the Zixi ecosystem.

Wirecast Overview

Wirecast allows you to stream using multiple live cameras, bring in remote guests and screenshares, and dynamically mix in other media-like movies, images, and sounds. Easily add production features such as stinger transitions, instant replay, playlists, built-in titles, chroma key, virtual sets, live scoreboards and clocks. Wirecast is ideal for broadcasting professional-looking live internet shows, news, online gaming, sporting events, concerts, church services, corporate meetings, lectures and much more.

Wirecast provides a variety of capture sources (screen, file, webcam, etc), baseband capture devices, and mezzanine quality NDI network sources:
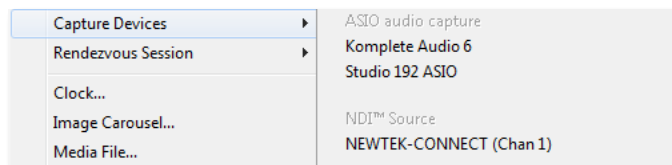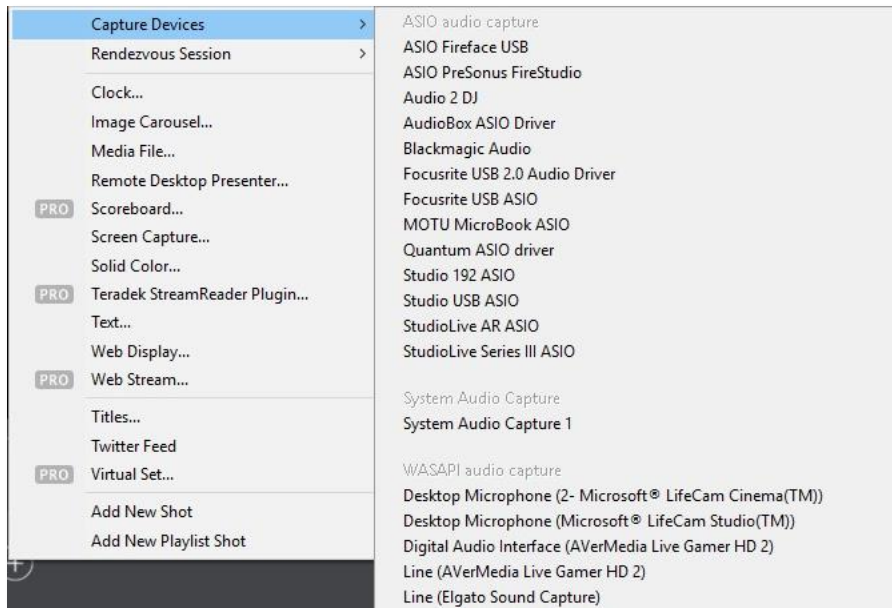
Zixi Configuration

To contribute a stream from Wirecast into the Zixi ecosystem, you first need to define an input stream on a Zixi Broadcaster. If you are managing a Broadcaster though its native UI, you will add a new input stream under the Inputs tab. Specify a Stream ID and select the "Push" radio button. The IP address that you will push the stream to from Wirecast is the same IP used to view the Broadcaster UI and the port will be 2088, unless you changed the default on the Broadcaster.
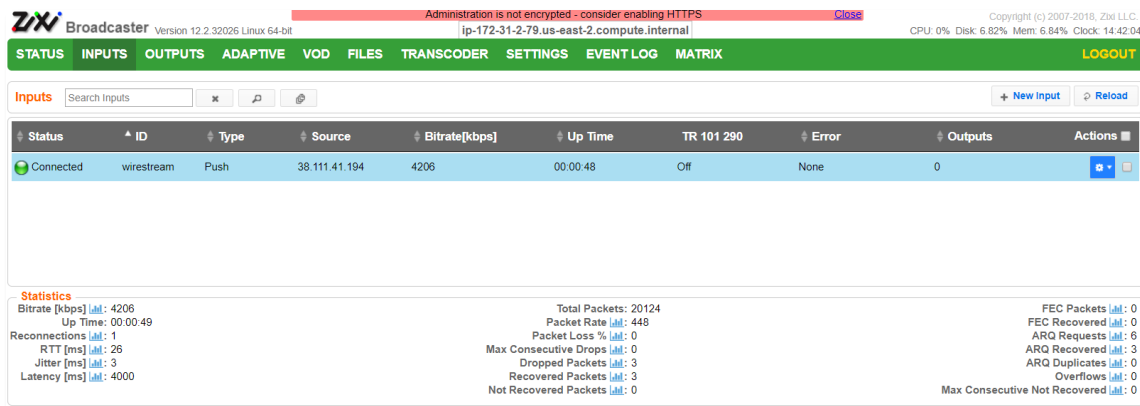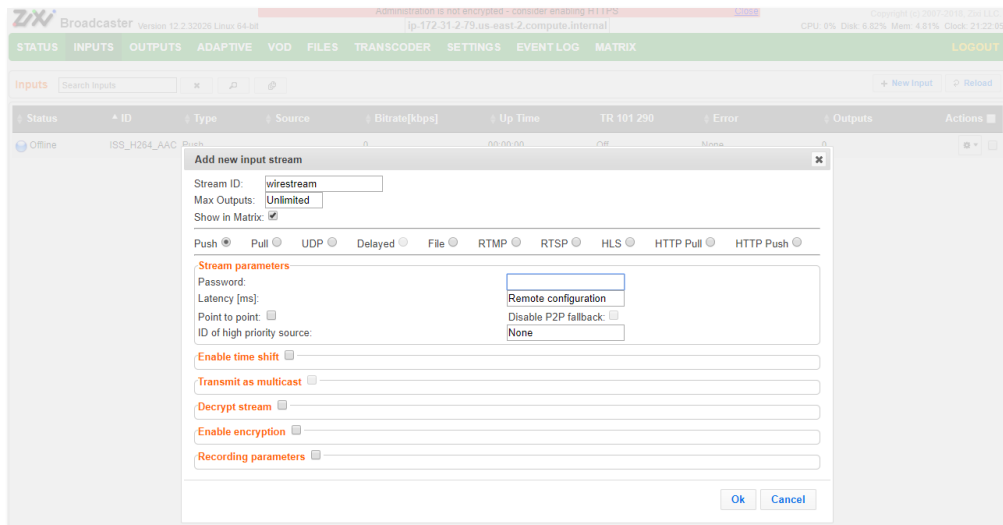
If you are using ZEN Master, you will create a new Zixi type source and select the "Other" radio button. Provide a Source Name and fill in other details on the form.

Once the Source is created, the IP address, Port, and Stream ID that you will use in Wirecast are displayed in the Configuration panel.

CONFIGURATION ^

Configure your Zixi enabled encoder with
the following parameters

Host
qa-gil-video-
server.zixi.stagingio.devcloud.zixi.com

Port
2088

Stream ID
Wirecast_encoder-sxxm5

Password
Show

If you are using AWS MediaConnect or a MediaConnect based service, you will need to use the IP address, Port, and Stream ID displayed for the Flow in the MediaConnect console.

	Name ▽	ARN	Inbound IP addre	Port	Protocol	Stream ID	Source health
○	MCSource	arn:aws:mediaconnect:us-east-2:200396238111:source:1-DllHWAlcV15YV1FT-2a99bb187da3:MCSource	3.18.45.131	2088	zixi-push	MCStream	⊗ The flow is inactive

Wirecast Configuration

The Wirecast integration consists of a specially built Zixi Feeder application that is downloaded and installed on a Windows or Mac computer and runs as a service on Windows or background process on Mac. Once the Feeder is installed and Wirecast is configured, the Wirecast encoder will configure the Feeder with the IP address, Port, Stream ID, etc and will send the encoded stream to the Feeder via RTMP on the local computer. All of this happens behind the scenes; the user configures everything in Wirecast just like any other stream destination in Wirecast.

The Wirecast Feeder can be downloaded from the Zixi Customer Portal at:

`https://portal.zixi.com/self-registration/WIRECAST_FEEDER`

Fill in your details on the registration page of the customer portal.

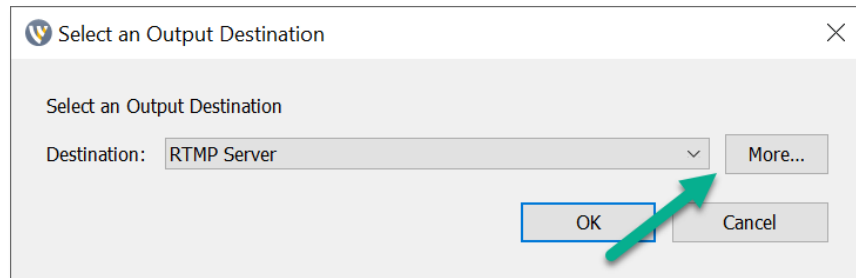Next, under the Software menu download "Zixi Feeder for Wirecast" for either Mac or Windows.
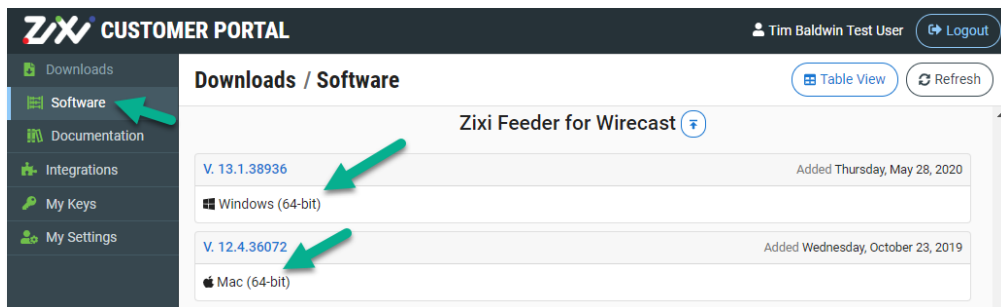
Install the Zixi Feeder for Wirecast and install Wirecast if it is not already installed.
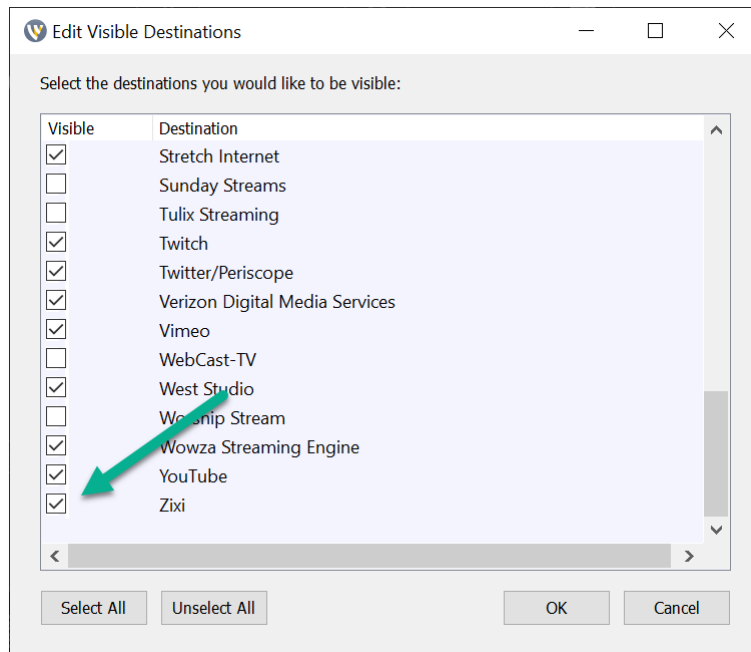
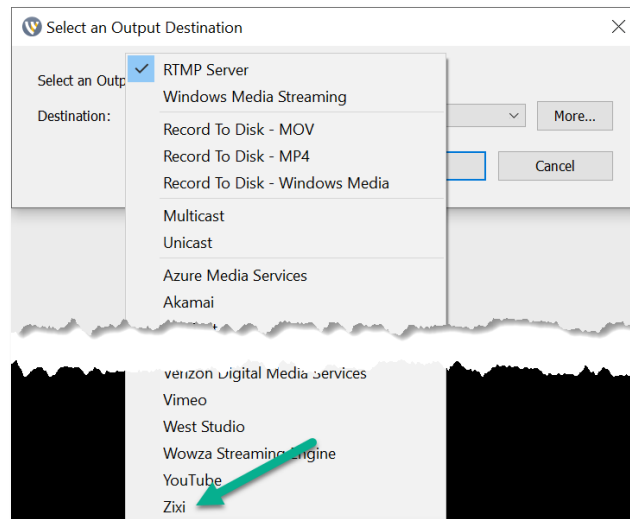Next load Wirecast and open the Output menu and select Output Settings.
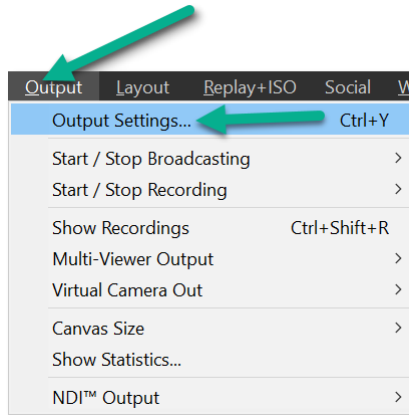
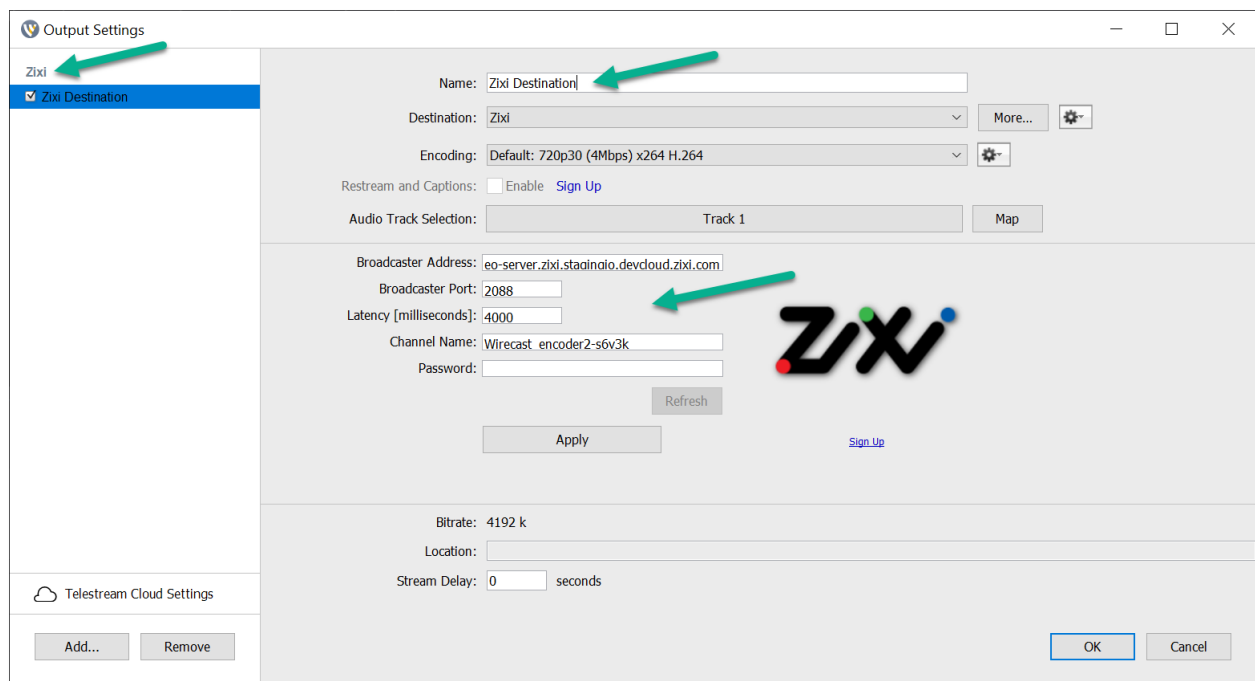Click More on the Output Destination dialog.

Scroll down and click on the checkbox next to Zixi to enable it.

Back on the Output Destination dialog, select Zixi.

Configure the Zixi destination with the Broadcaster IP address, Ports, & Channel Name (Stream ID) from the Broadcaster configuration above.

At this point, your Zixi destination is configured and the Zixi protocol will be used to deliver your stream to your Broadcaster or AWS MediaConnect. Once you start streaming, you should see

the input stream show up in the Broadcaster UI or in ZEN Master or in AWS MediaConnect. If you do not see the input stream, verify that your local firewall is not blocking outbound UDP traffic on the port specified above and that the firewall on your Broadcaster in not blocking inbound UDP traffic on that port or verify that your AWS MediaConnect Flow is active.