Matrox® Maevex™ 5100 Series Configuring Wowza Streaming Engine™ With The Maevex Encoder

Reference document

Rev 1.00

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Overview

The following document provides step-by-step instructions on how to configure Wowza server with the Maevex Encoder as a source input to the Wowza streaming server and to play back the stream using the Maevex decoder or a software player.

Note: This document assumes you're using version 1.04 or higher of Matrox PowerStream software and firmware and Wowza Streaming Engine 4.3 or higher. You should are also be generally familiar with the PowerStream and Wowza Streaming Engine applications.

More Information

The following documentation and Maevex software Help feature provides additional documentation such as installation, connection setup, the hardware information, and general software features and configuration details for the Matrox Maevex hardware and software discussed in this document.

- Matrox Maevex 5100 Series User Guide – provides information on installing and connecting your Maevex 5100 Series products.
- **Matrox PowerStream Help** – located in the Maevex PowerStream software. It provides information on PowerStream software features and options.
- Matrox Maevex I/O Guide – provides information on how to determine which display modes are used from the source device to monitors connected to your encoder and decoder units.
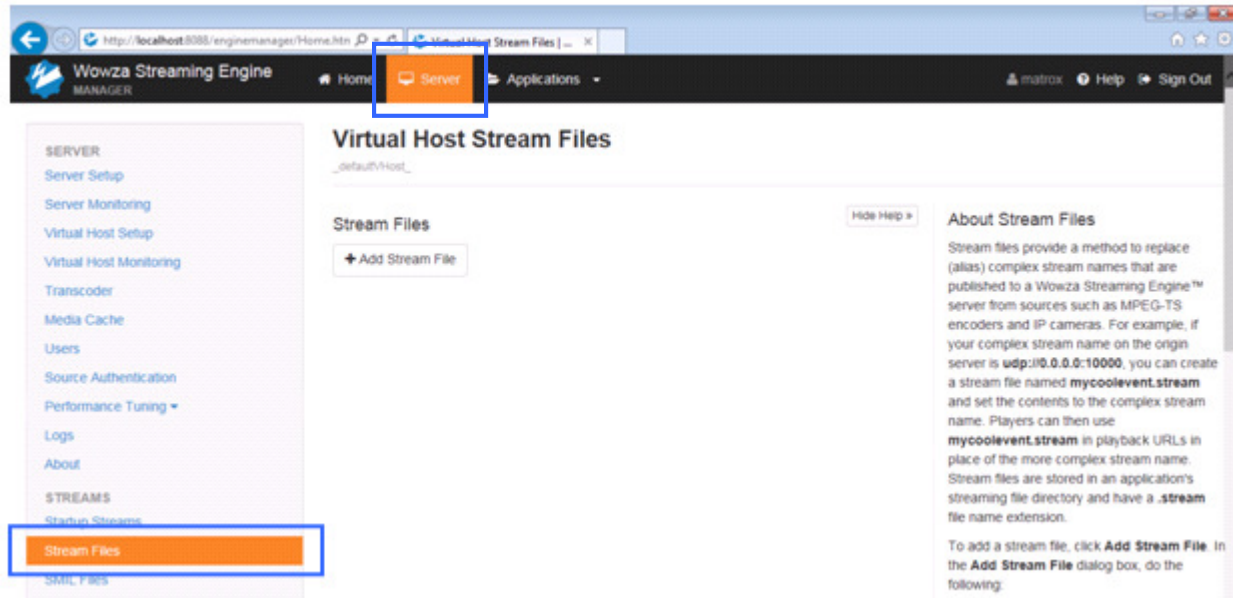
Accessing Matrox PowerStream

- **Windows 10** – Click Start ->All apps->Matrox PowerStream->Matrox PowerStream
- **Windows 8.1** – From the Start screen, click Matrox PowerStream
- **Windows 7** – Click Start-> All Programs (or Programs)-> Matrox PowerStream-> Matrox PowerStream

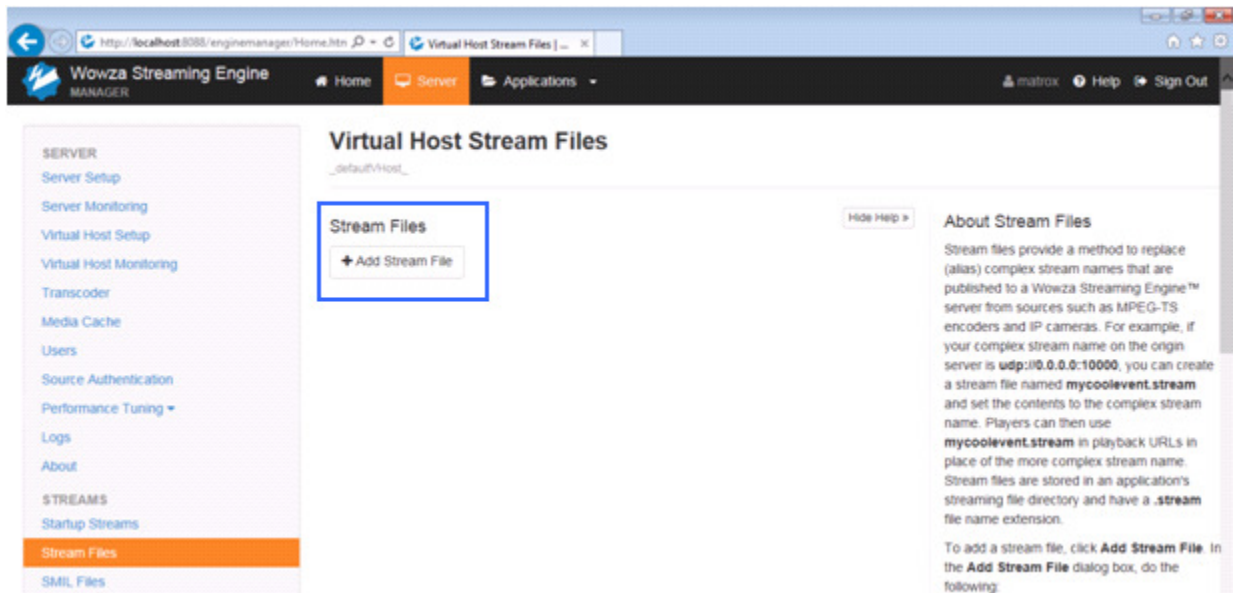**Functional Steps for enabling Wowza Streaming Engine with Maevex**

1. Configure the Maevex Host Stream file within Wowza
2. Activate the stream
3. View and verify the test stream
4. Setup Maevex decoders to view the Wowza stream.
5. Conclusion

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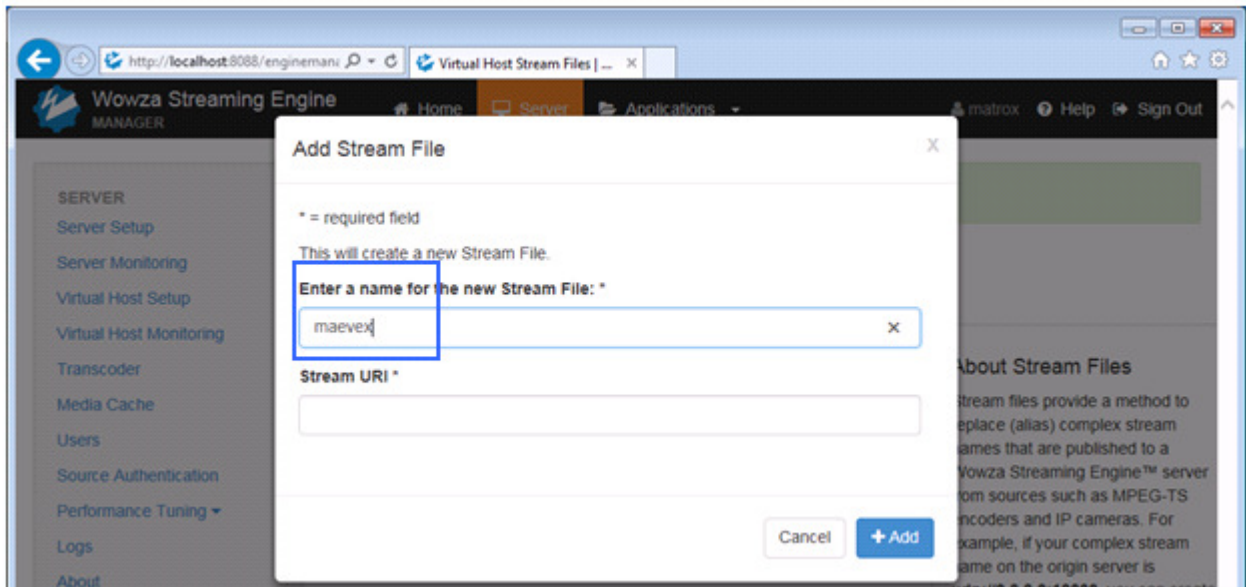## 1. Configure the Maevex Host Stream file within Wowza

1a. You will need to configure the Wowza Streaming Engine to accept an input from the Maevex Encoder. To do this, once you login to the Wowza Streaming Engine, you will click on "Server". Next, click on the "Stream Files" option.

1b. You will now need to configure the Maevex host stream file by clicking on the "Add Stream File".
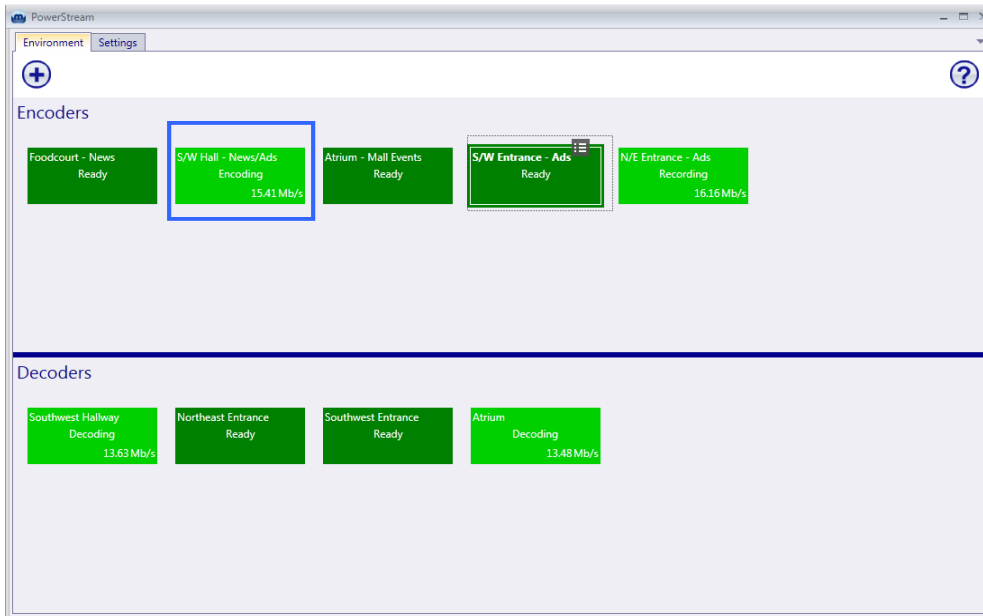
1c. The "Add Stream File" window will appear and you need to enter a name in the "Enter a name for the new Stream File:"
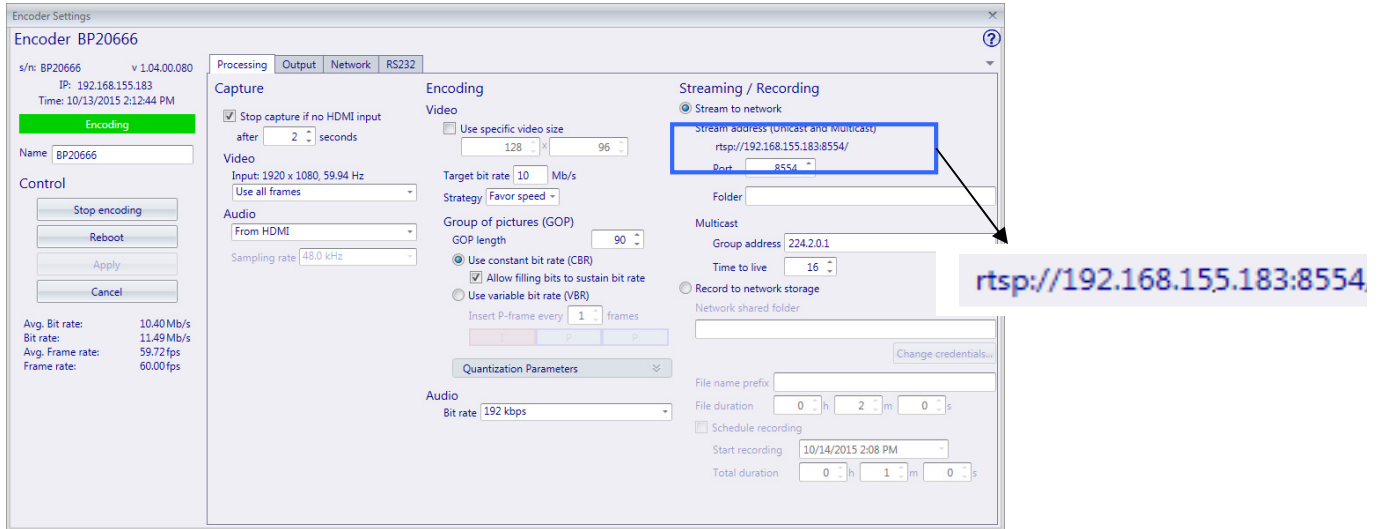

1d. You will be required to enter the streaming address in the "Stream URI". The streaming address can be obtained from the Maevex PowerStream software as illustrated below.

    i.   Start the Maevex PowerStream software and select the encoder for the source.
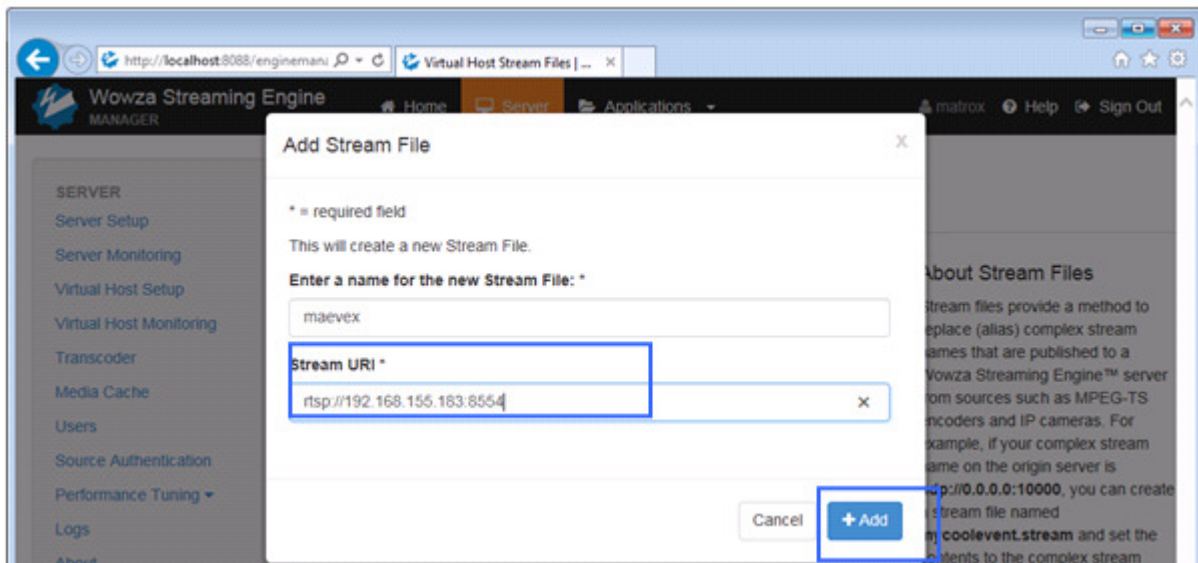

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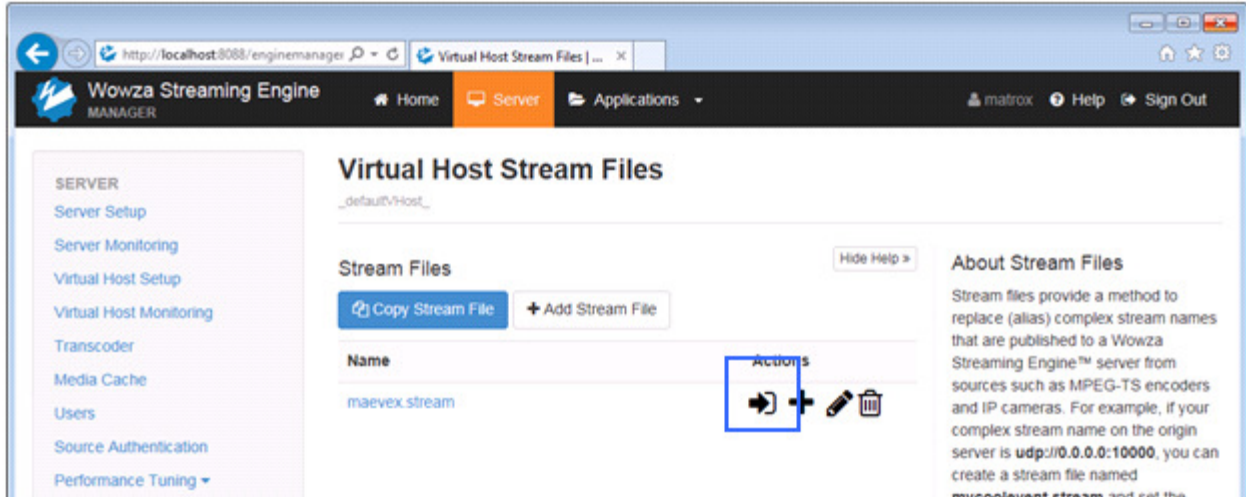ii.   From the encoder settings page, copy the stream address as illustrated below;

1e. You will need to add the stream address from step 1d-ii above to the "Stream URI" entry. Once completed click on the "+Add" button.

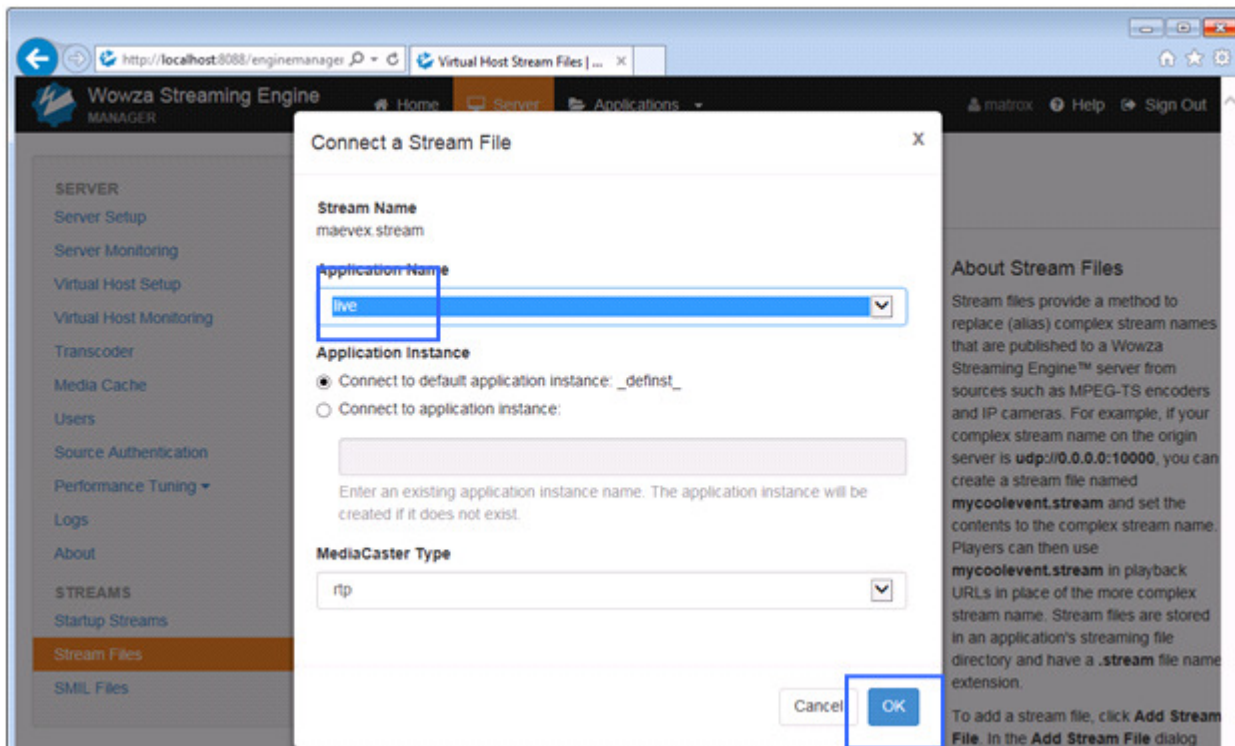Matrox® Maevex™ 5100 Series - How to Configure Wowza Streaming Engine ™
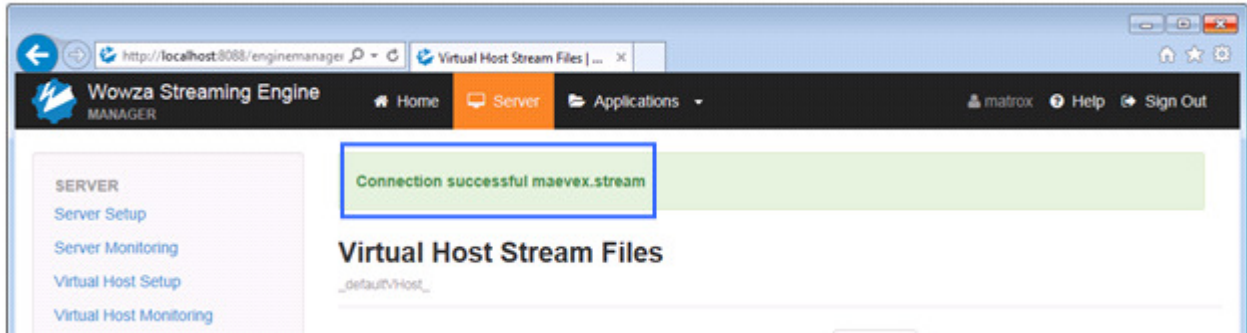
2. Activate the stream

2a. You will now need to activate the stream. Click on the "arrow" from the illustration below (this should be the screen on the interface after the last step);

2b. The following window will appear. For the "Application Name", select "live" from the dropdown menu. For the rest of the options leave the default values. Click on "OK".
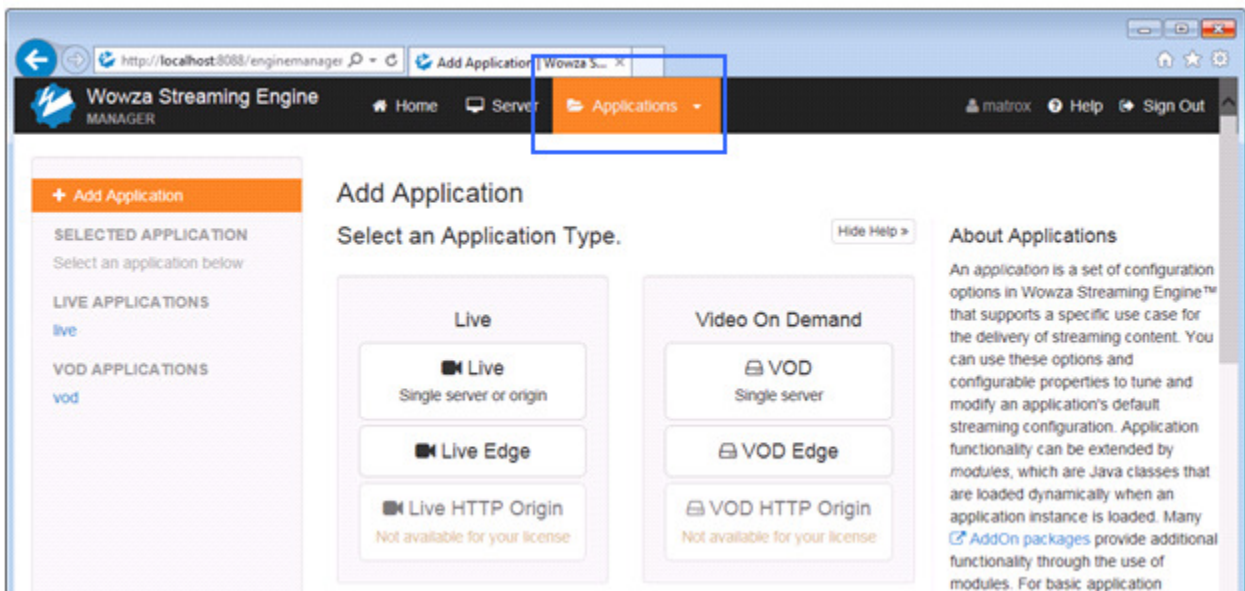

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2c. The highlighted annotation will appear in the Wowza Streaming Engine UI. If the configuration is done correctly you will see the "Connection successful Maevex.stream" message.
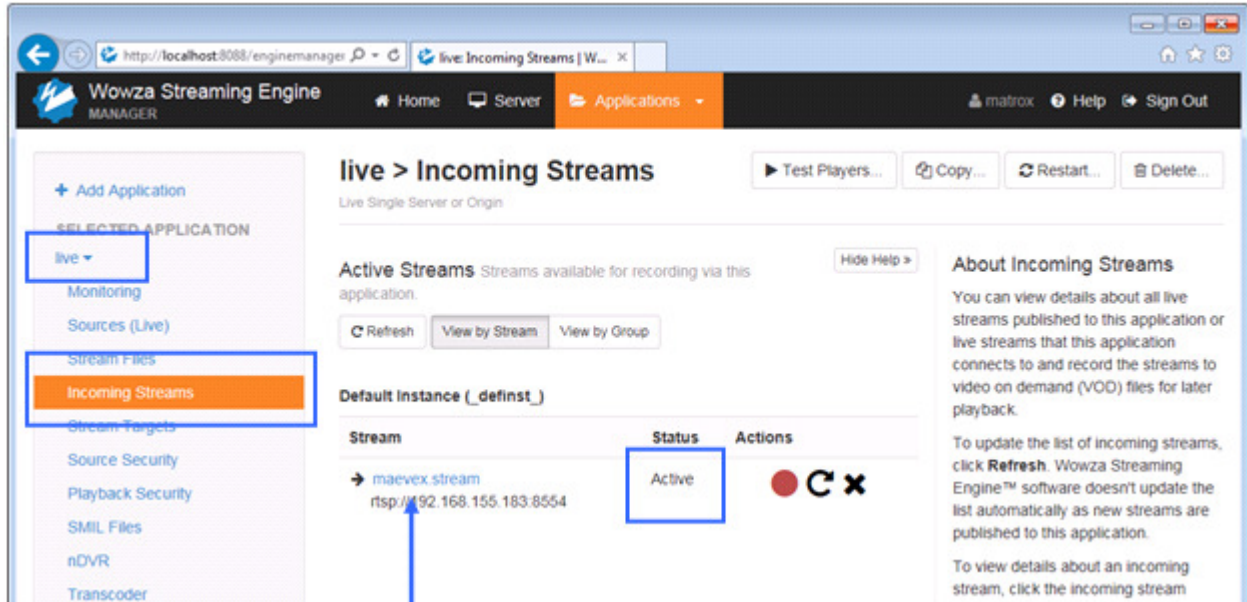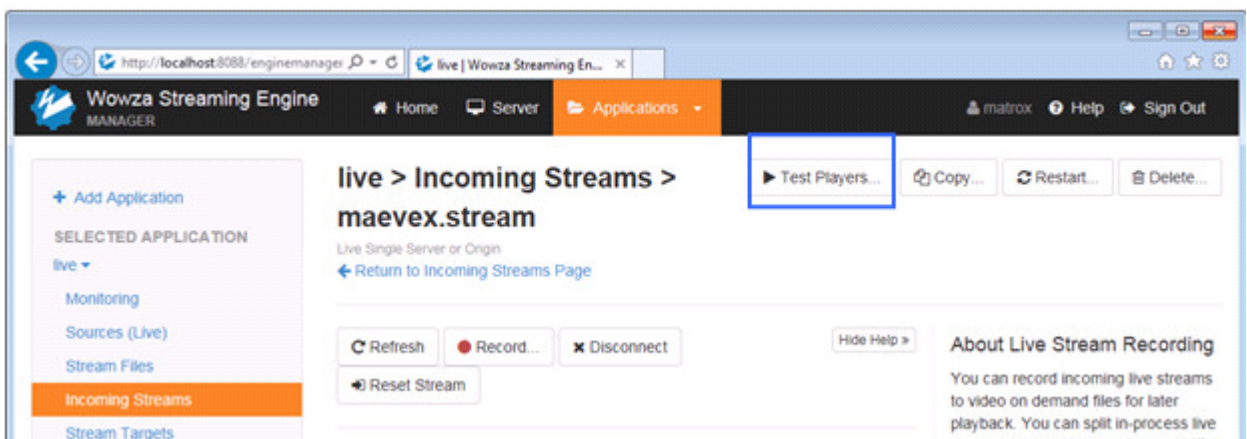

3. View and verify the test stream

3a. Once steps 1 to 3 are completed, you are now able to view the stream in the Wowza Streaming Engine UI. To be able to see and access the stream, click on "Application" as illustrated below;

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3b. Then on the left side of the UI, click on the "Live" option and then click on "Incoming Streams". You will notice that the stream "status" is "Active" which indicates that the Wowza Streaming Engine is receiving the stream from the Maevex encoder. At this point, click on "Maevex.stream" (see blue arrow).
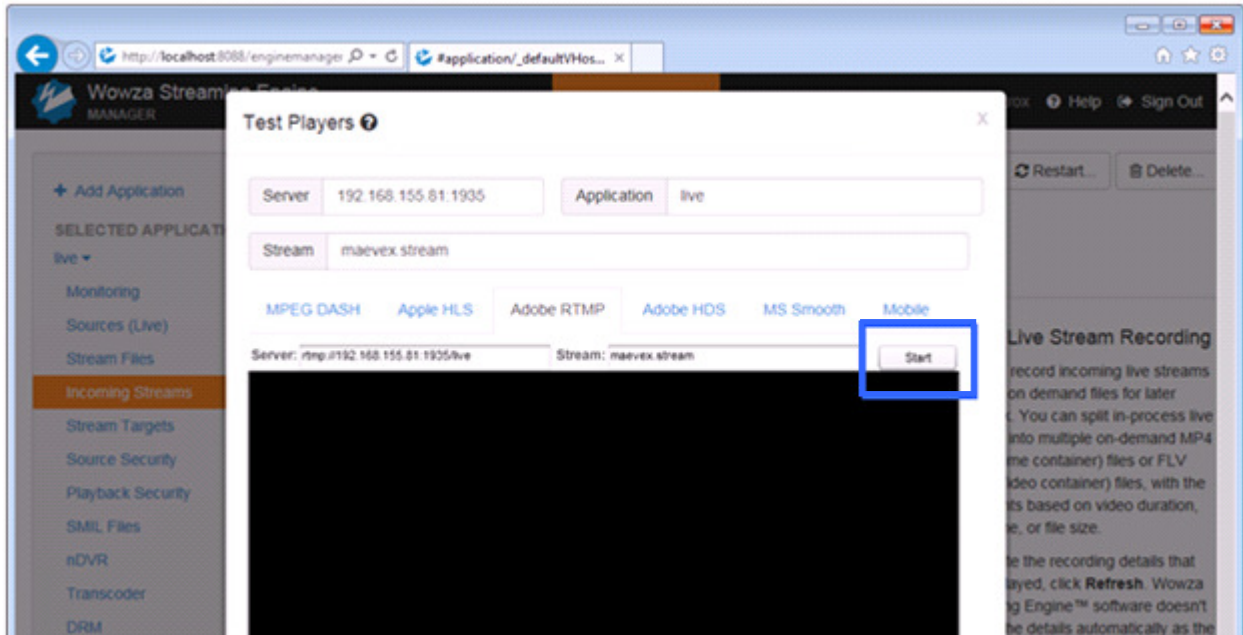

3c. Once you have clicked on the "maevex.stream" from step 3b the following will appear. You can now test the stream by clicking on "Test Players" as illustrated below;
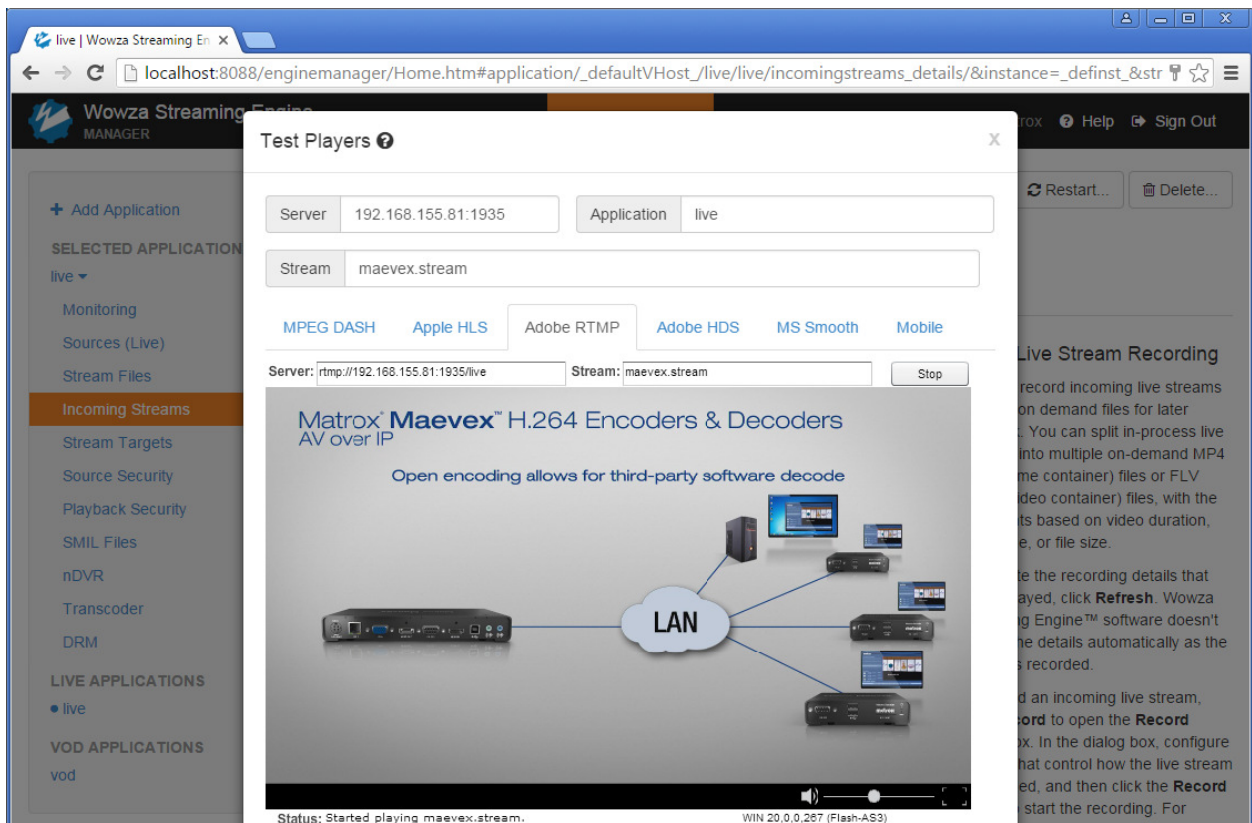

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3d. The default test player, Adobe RTMP window will appear. Click on the "Start" button as illustrated below;
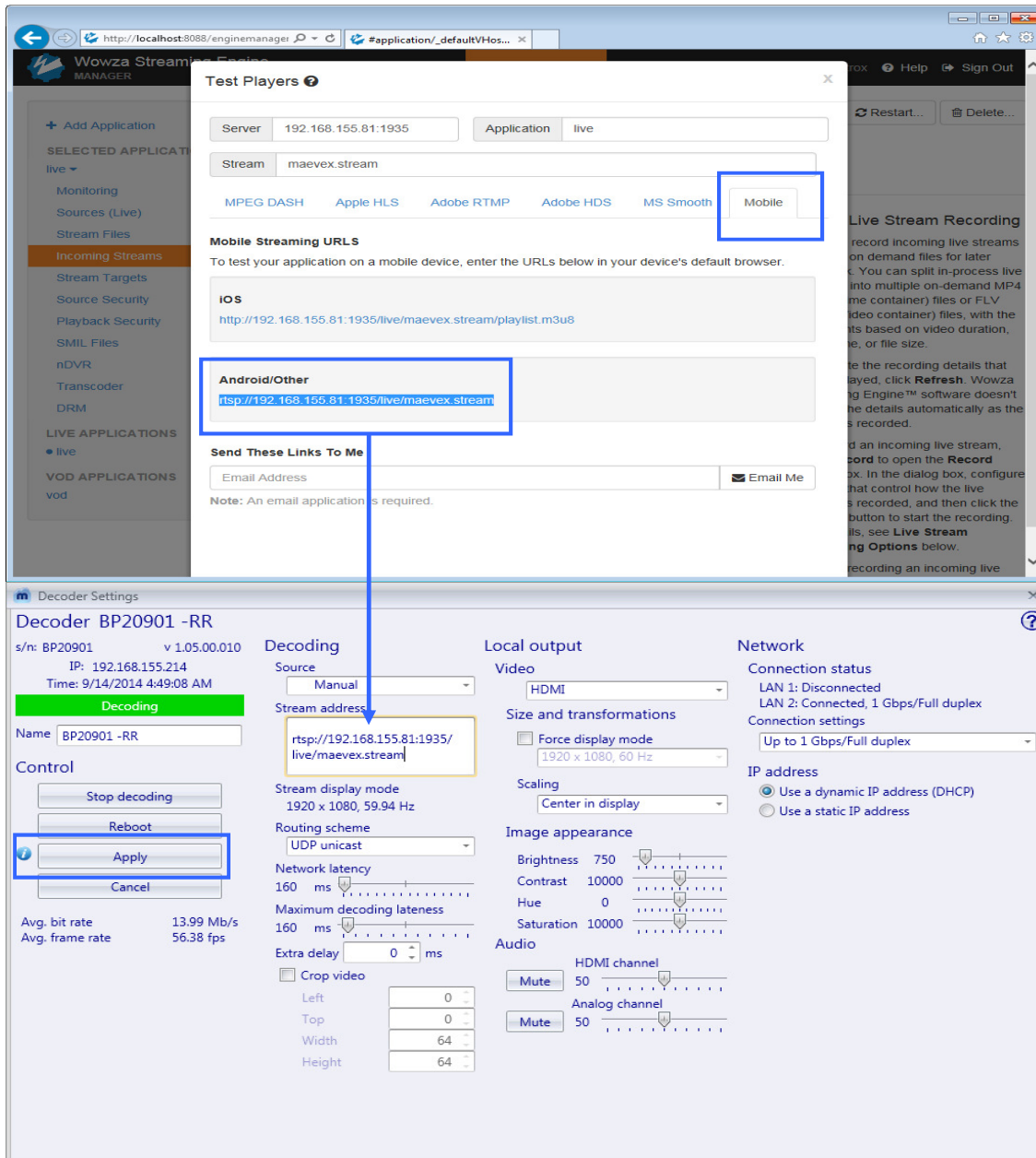

The video from Maevex encoder will now be playing.

4. Setup Maevex decoders to view the Wowza stream.

Now, you can play back the video using the Maevex decoder. In order to accomplish this click on the "Mobile" option and copy the URL from the "Android/Other" section to the "Stream Address" entry of the Maevex decoder settings page from the Maevex PowerStream and then click on "apply" as illustrated below;

Alternatively, the above procedure can be applied to software players that support RTSP streaming.

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5. Conclusion

With the help of this document, you should now be able to setup the Wowza Streaming Engine with the Matrox Maevex encoder. The Wowza Streaming Engine will deliver the Maevex streaming content to third party applications and also to the Maevex decoder.

If there are any issues, please contact Matrox tech support at www.matrox.com/graphics/support.

Thank you for using the Matrox Maevex and the Wowza Streaming Engine.

Special thanks to Wowza for their help and support in putting together this document.

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