

QCAP SDK RTMP Web Portal with Adobe FMS Multicast Installation Guide ENG 1.1.0.160.0

◆ Introduction

We will guide user how to install portal server software the flash media server that implement multicast RTMP steaming of QCAP SDK in the portal.

Note!! If user want to crate QCAP RTMP Server Web Portal function, please read this document first, user should be stop Firewall of computer.

◆ Interrelated Software

Adobe Flash Media Server : 4.5

AppServ version : 2.5.10

AppServ-win32.2.5.10 for Windows 7

◆ Introduction

AppServ is a full-featured of Apache, MySQL, PHP, phpMyAdmin.
User can easy to setup in few minutes.

◆ The package of AppServ 2.5.10

Apache version : 2.2.8

PHP version : 5.2.6

MySQL version : 5.0.51b

phpMyAdmin version : 2.10.3

◆ Downloads Address:

<http://www.appservnetwork.com/>



The screenshot shows the AppServ Open Project website. The main navigation bar includes links for Home, Downloads, AddOns, Community, FAQ, Stats Activity, Shopping, and AJAX Script. The left sidebar contains a Main Menu with links like 'What is AppServ?', 'How to install AppServ', and 'Download Now!'. The central content area features a announcement for 'AppServ 2.5.10 and 2.6.0 with PHP6 New Released !!!'. The 'AppServ 2.5.10' section is highlighted with a red box and contains the following details:

- AppServ 2.5.10**
- Apache 2.2.8
- PHP 5.2.6
- MySQL 5.0.51b
- phpMyAdmin-2.10.3

Below the list, there is a 'Download' section with the Sourceforge.net link: <http://prdownloads.sourceforge.net/appserv/appserv-win32-2.5.10.exe?download> and the MD5SUM: 279c0c39866fbecb8a3904969fd5d0f4. A small profile picture of a child is also visible next to the download link.

The right sidebar includes a 'Languages' section with flags for various countries and a dropdown menu set to 'English'. Below that is a 'Donate to AppServ' section with four PayPal donation buttons for \$5 US, \$10 US, \$15 US, and \$20 US.

AppServ-win32.2.5.10

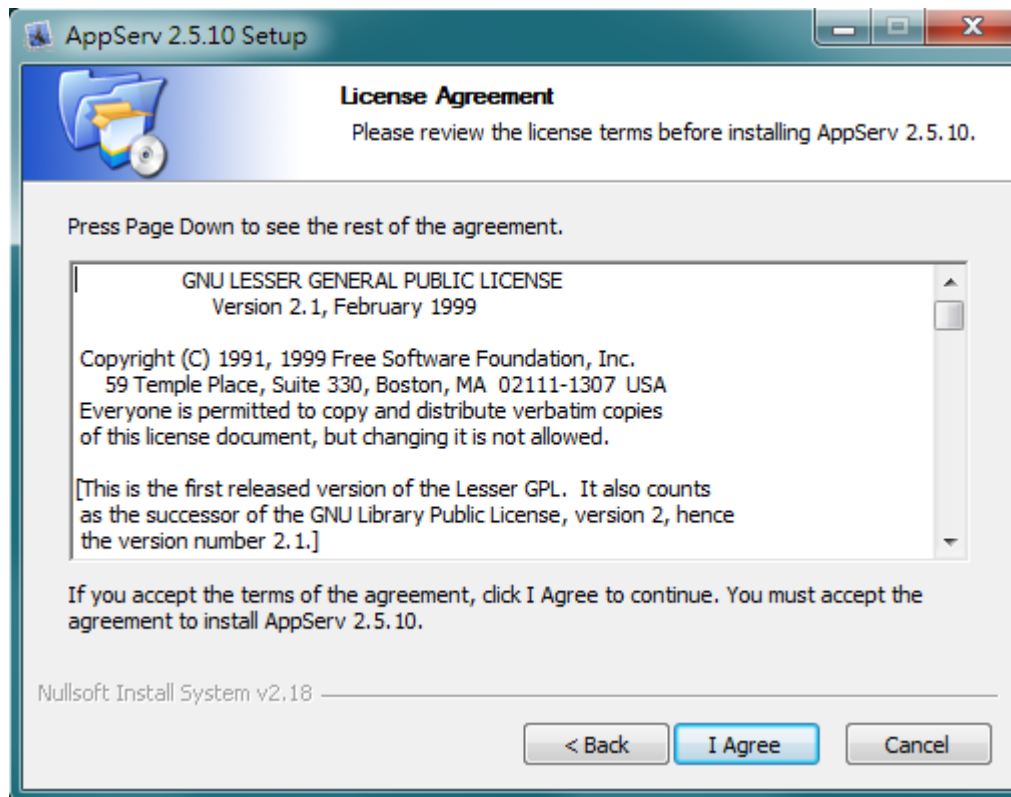
Installation Step

1. Double click appserv-win32-2.5.10.exe to install, then click [Next] to go to next step.



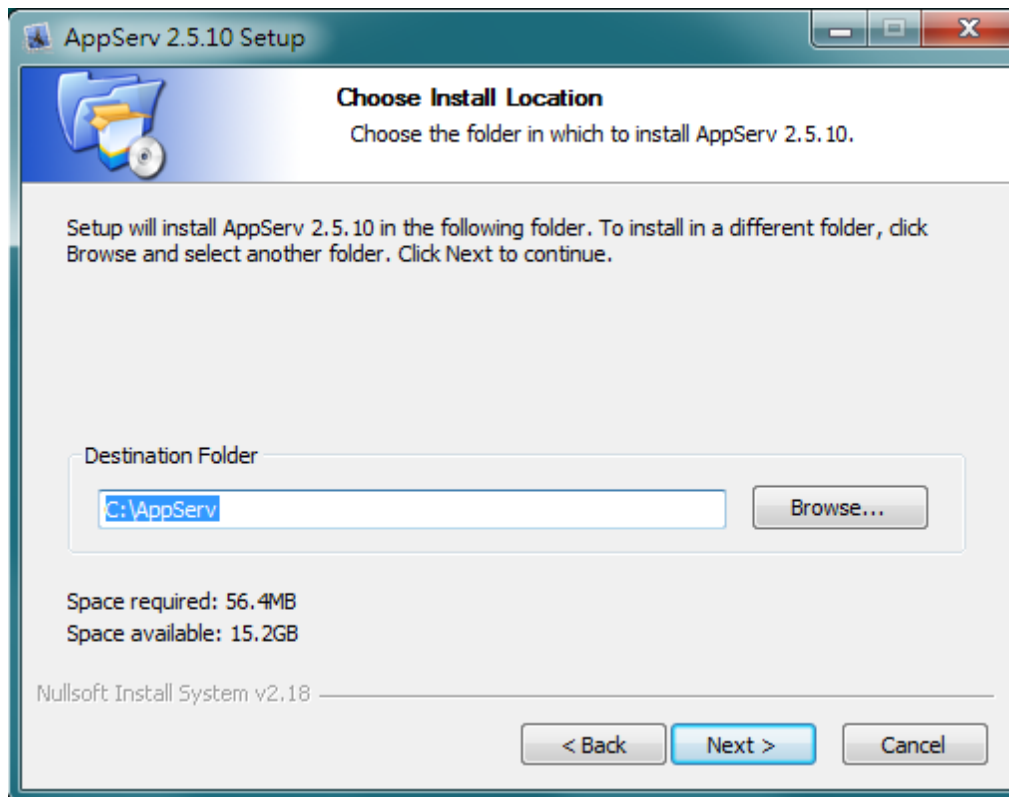
AppServ-win32.2.5.10 Installation Step

2. License Agreement, click [I Agree] to go to next step.



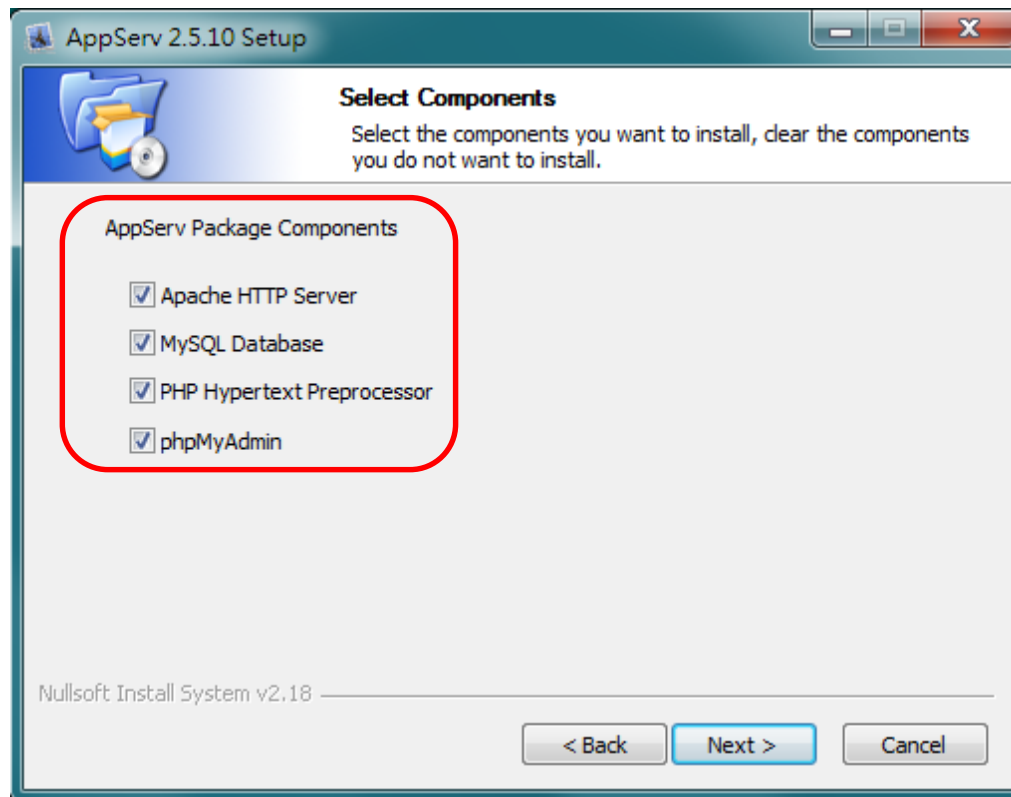
AppServ-win32.2.5.10 Installation Step

3. Choose install location, and then click [Next] to go to next step.



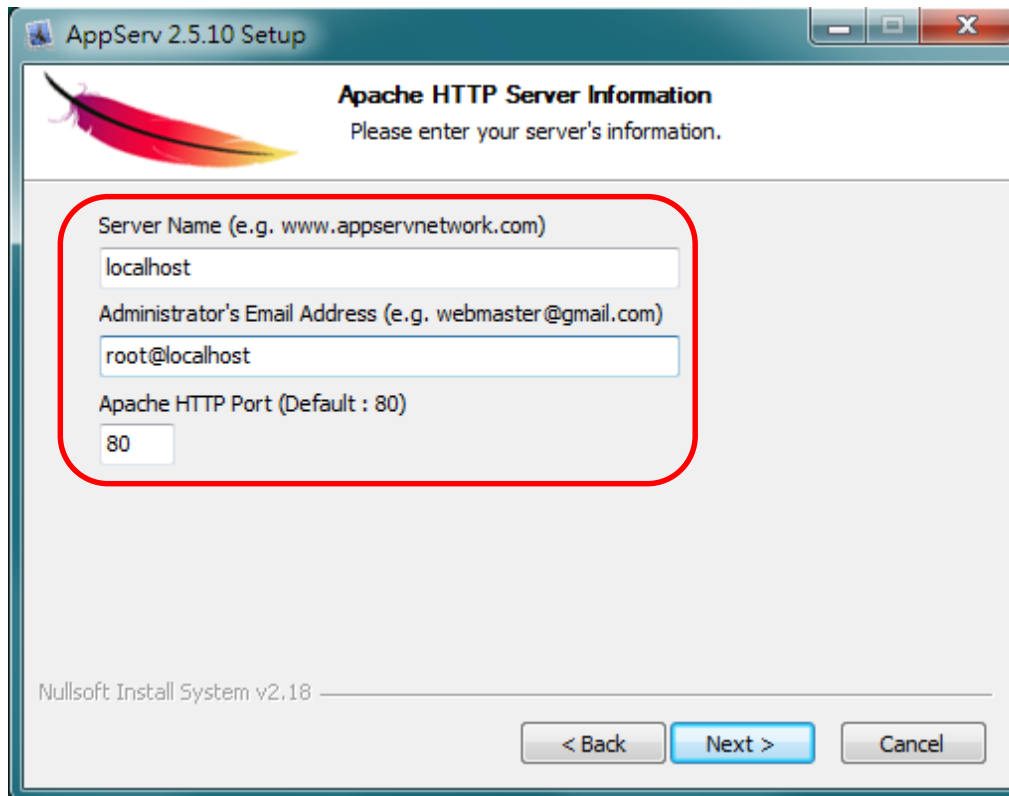
AppServ-win32.2.5.10 Installation Step

4. Select all appserv package components it's, and then click [Next] to go to next step.



AppServ-win32.2.5.10 Installation Step

5. Please specify Apache Configure, and then click [Next] to go to next step.



The image shows a Windows installation window titled "AppServ 2.5.10 Setup". The window has a standard Windows XP-style title bar with minimize, maximize, and close buttons. Inside the window, there is a logo of a colorful feather on the left and the text "Apache HTTP Server Information" followed by "Please enter your server's information." on the right. Below this, there are three text input fields: "Server Name (e.g. www.appservnetwork.com)" with "localhost" entered, "Administrator's Email Address (e.g. webmaster@gmail.com)" with "root@localhost" entered, and "Apache HTTP Port (Default : 80)" with "80" entered. A red rounded rectangle highlights these three input fields. At the bottom of the window, there is a status bar that says "Nullsoft Install System v2.18" and three buttons: "< Back", "Next >" (which is highlighted in blue), and "Cancel".

AppServ 2.5.10 Setup

Apache HTTP Server Information
Please enter your server's information.

Server Name (e.g. www.appservnetwork.com)
localhost

Administrator's Email Address (e.g. webmaster@gmail.com)
root@localhost

Apache HTTP Port (Default : 80)
80

Nullsoft Install System v2.18

< Back Next > Cancel

AppServ-win32.2.5.10

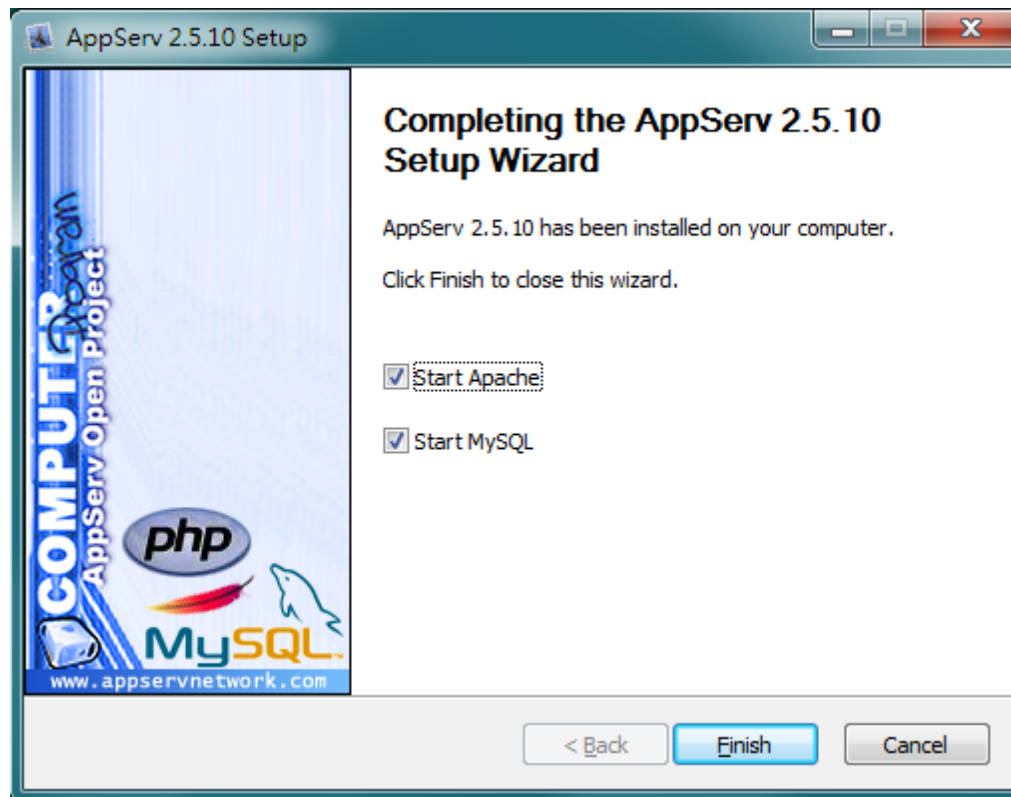
Installation Step

6. Please specify MySQL Configuration and password, and then click [Next] to go to next step.



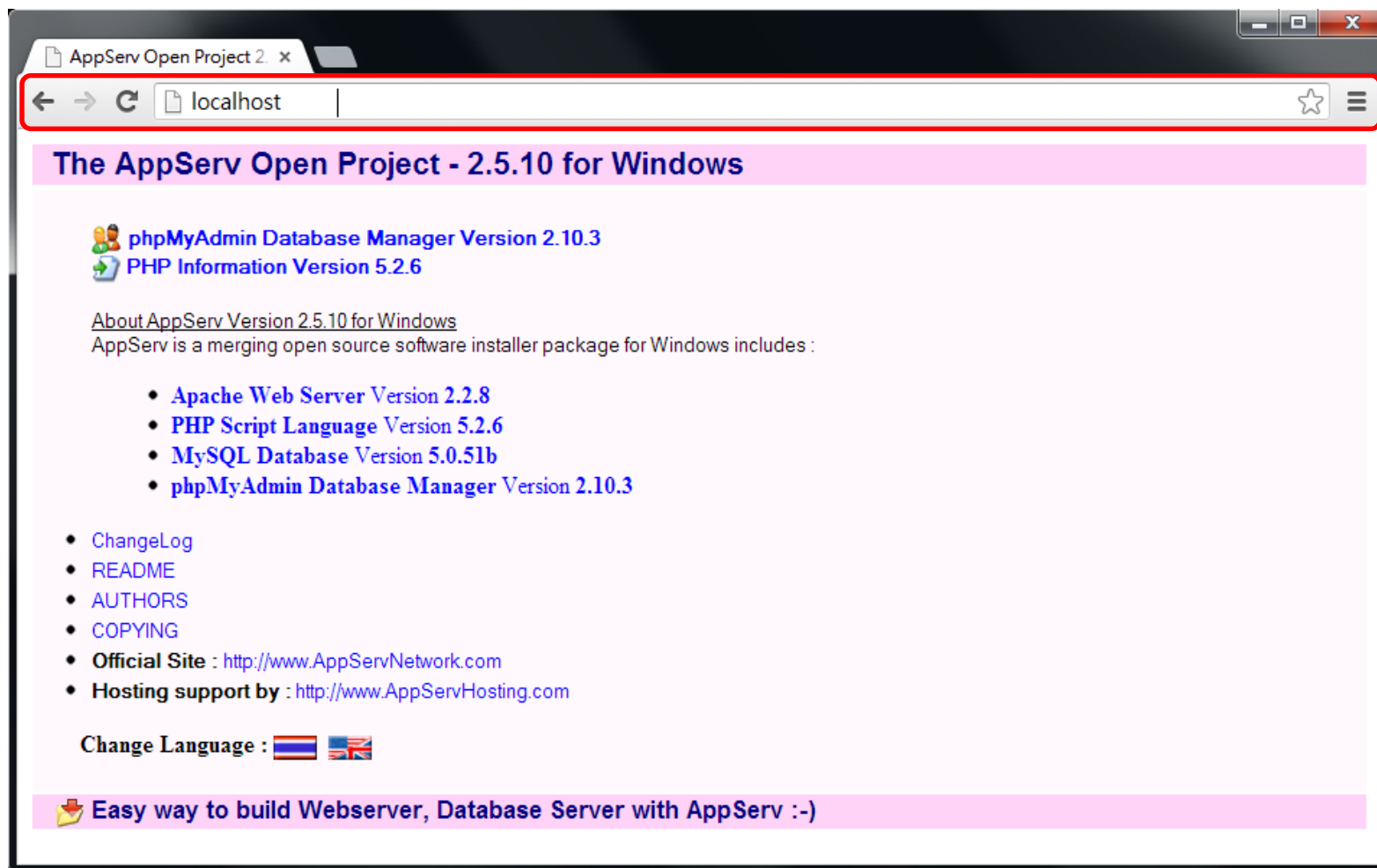
AppServ-win32.2.5.10 Installation Step

7. Complete AppServ setup , and then click [Finish] to end this setup.



AppServ-win32.2.5.10 Installation Step

8. Start AppServ, and then brows to <http://localhost> to see your new website.



Flash Media Server Installation Step

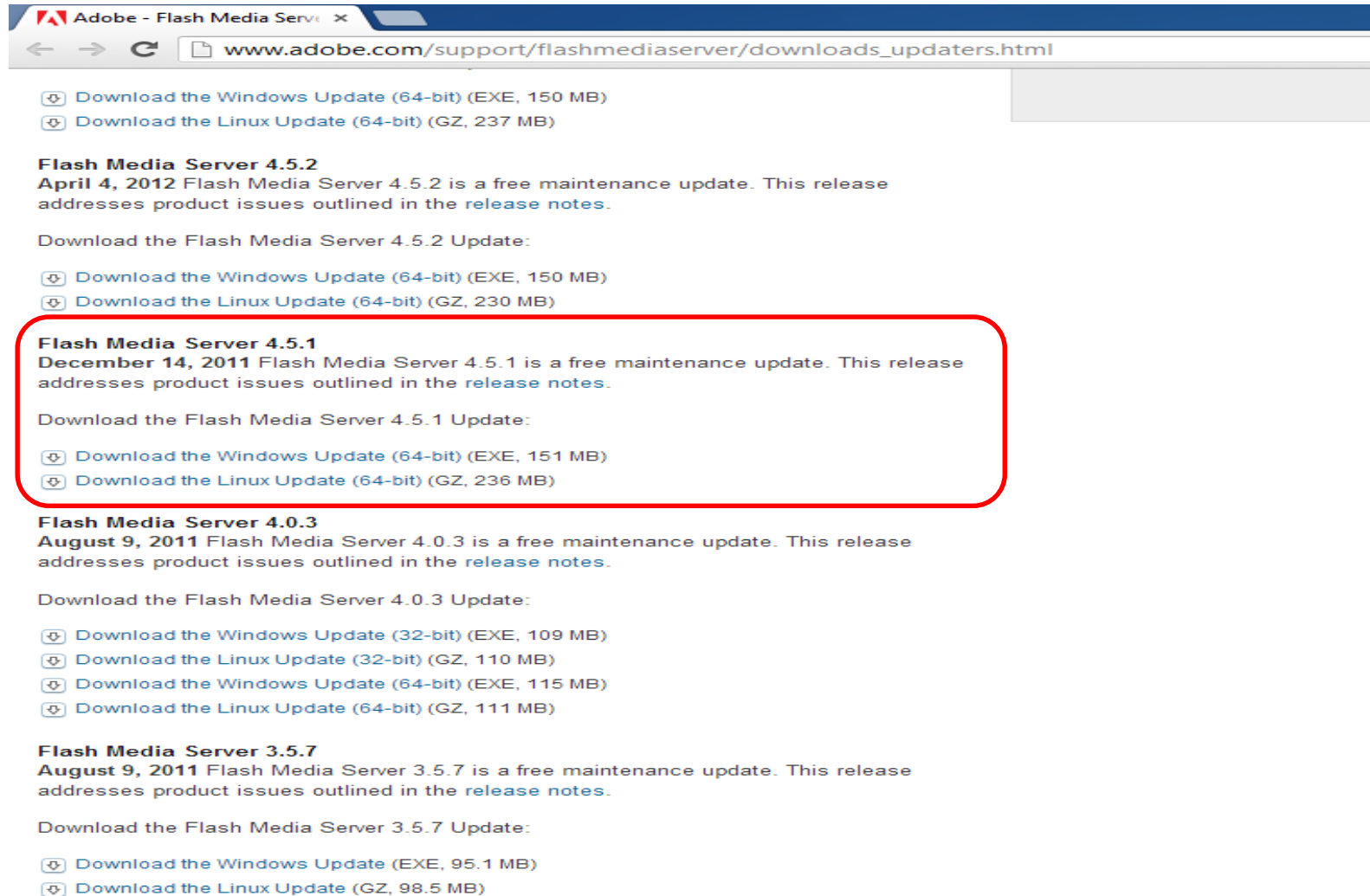
◆ Introduction

Adobe® Media Server software helps premium content publishers deliver their HD quality video to the largest audience possible across any Internet-connected device, with a streamlined workflow. The Adobe Media Server family revolutionizes media delivery with support for consistent, protected streaming on the widest array of devices — tablets, mobile devices, connected TVs, and desktops.

<http://www.adobe.com/products/adobe-media-server-family.html>

◆ Downloads Address:

www.adobe.com/support/flashmediaserver/downloads_updaters.html



Adobe - Flash Media Server x

www.adobe.com/support/flashmediaserver/downloads_updaters.html

Download the Windows Update (64-bit) (EXE, 150 MB)

Download the Linux Update (64-bit) (GZ, 237 MB)

Flash Media Server 4.5.2
April 4, 2012 Flash Media Server 4.5.2 is a free maintenance update. This release addresses product issues outlined in the [release notes](#).

Download the Flash Media Server 4.5.2 Update:

Download the Windows Update (64-bit) (EXE, 150 MB)

Download the Linux Update (64-bit) (GZ, 230 MB)

Flash Media Server 4.5.1
December 14, 2011 Flash Media Server 4.5.1 is a free maintenance update. This release addresses product issues outlined in the [release notes](#).

Download the Flash Media Server 4.5.1 Update:

Download the Windows Update (64-bit) (EXE, 151 MB)

Download the Linux Update (64-bit) (GZ, 236 MB)

Flash Media Server 4.0.3
August 9, 2011 Flash Media Server 4.0.3 is a free maintenance update. This release addresses product issues outlined in the [release notes](#).

Download the Flash Media Server 4.0.3 Update:

Download the Windows Update (32-bit) (EXE, 109 MB)

Download the Linux Update (32-bit) (GZ, 110 MB)

Download the Windows Update (64-bit) (EXE, 115 MB)

Download the Linux Update (64-bit) (GZ, 111 MB)

Flash Media Server 3.5.7
August 9, 2011 Flash Media Server 3.5.7 is a free maintenance update. This release addresses product issues outlined in the [release notes](#).

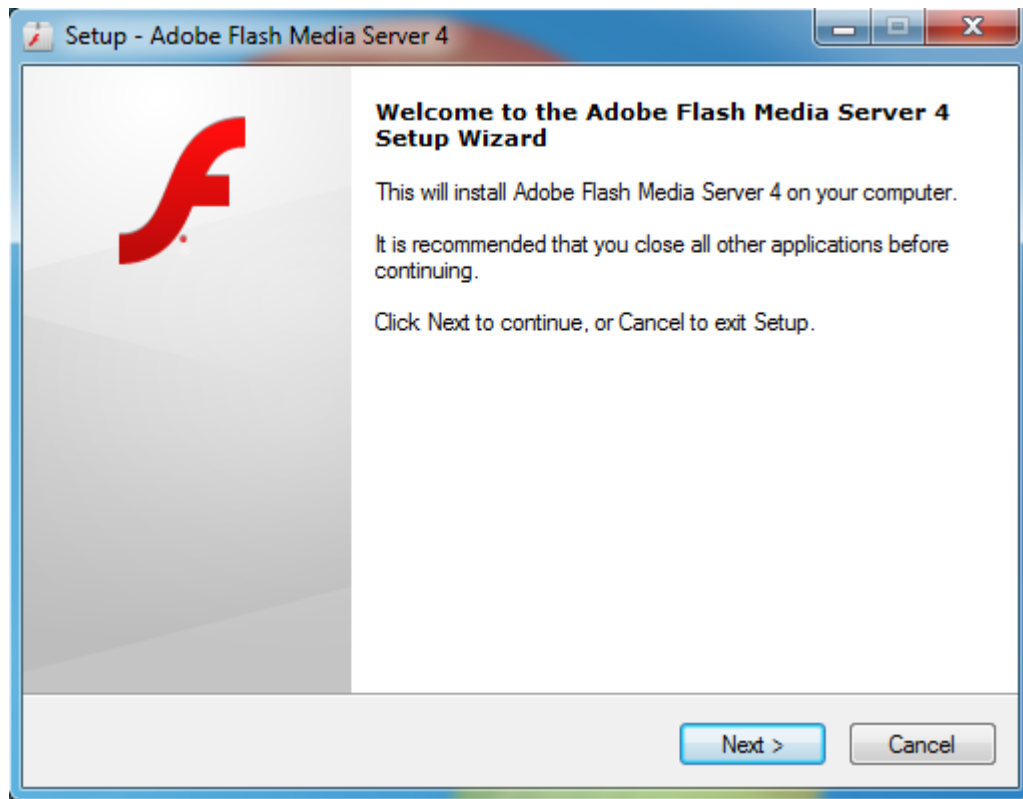
Download the Flash Media Server 3.5.7 Update:

Download the Windows Update (EXE, 95.1 MB)

Download the Linux Update (GZ, 98.5 MB)

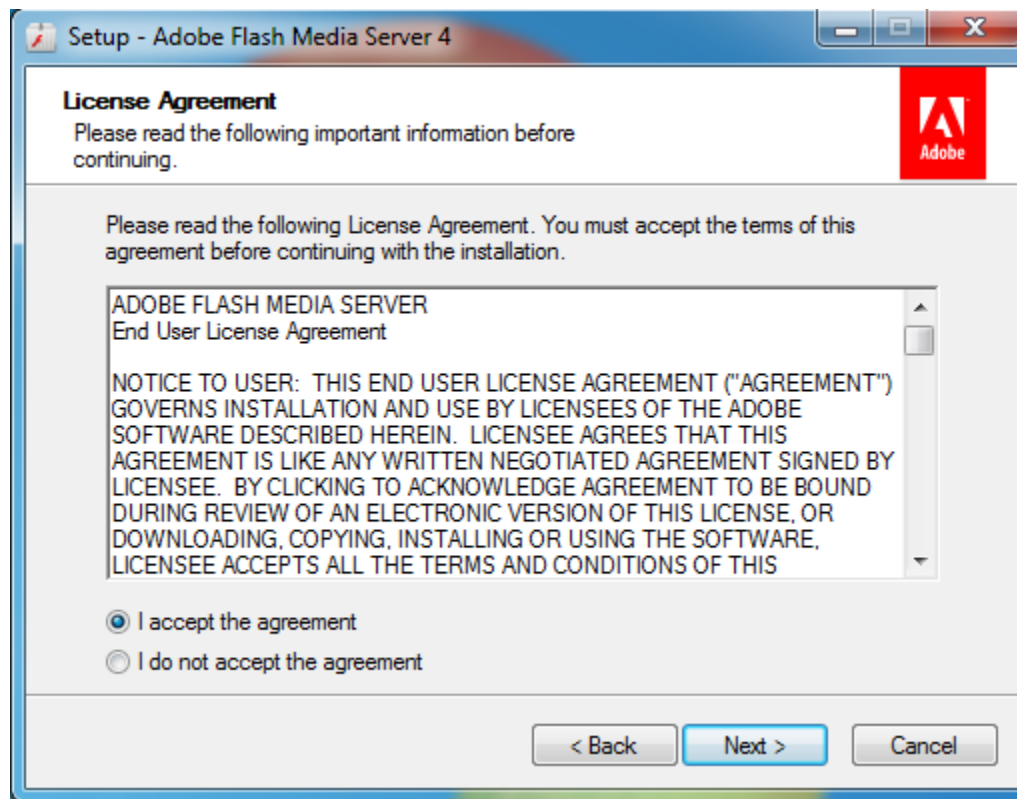
Flash Media Server Installation Step

1. Double click Flash Media Server.exe to install, then click [Next] to go to next step.



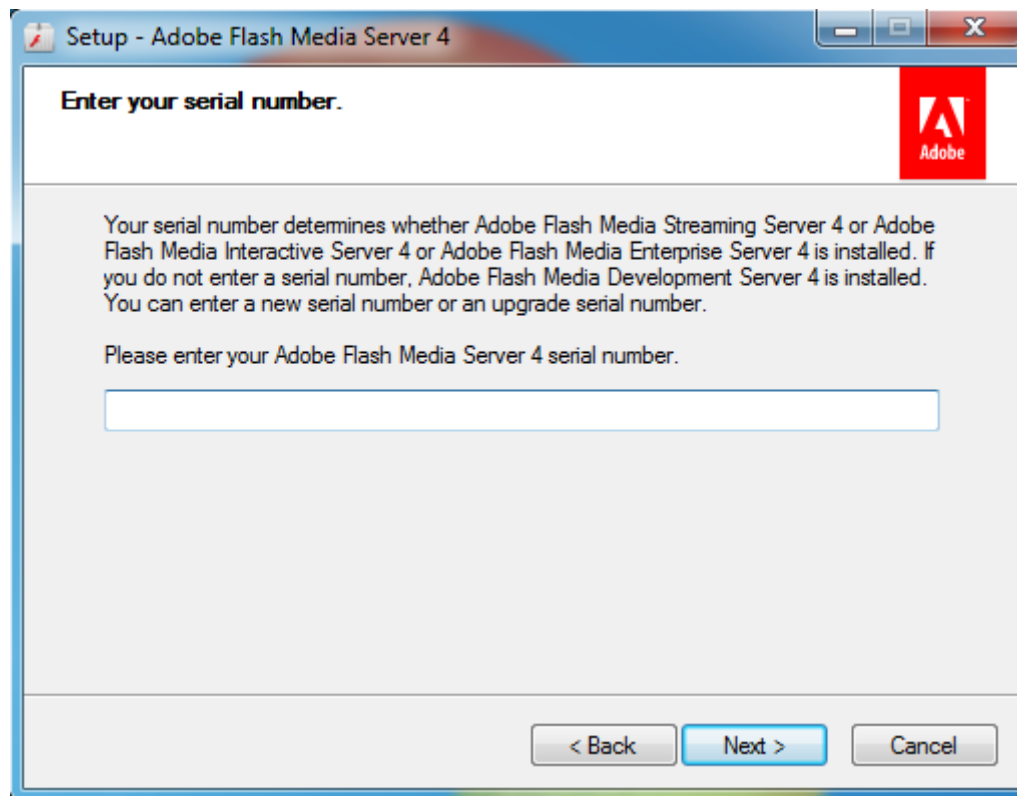
Flash Media Server Installation Step

2. License Agreement, click [I accept the agreement] to go to next step.



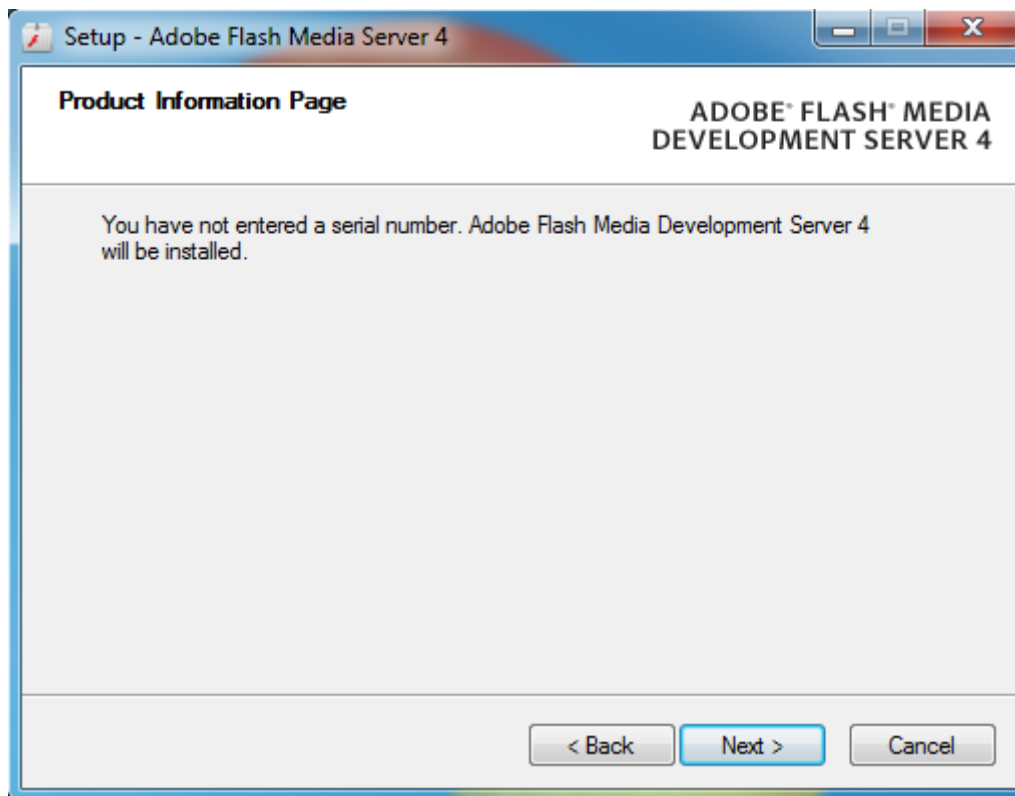
Flash Media Server Installation Step

3. It is trial version if you don't enter any thing, and then click [Next] to go to next step.



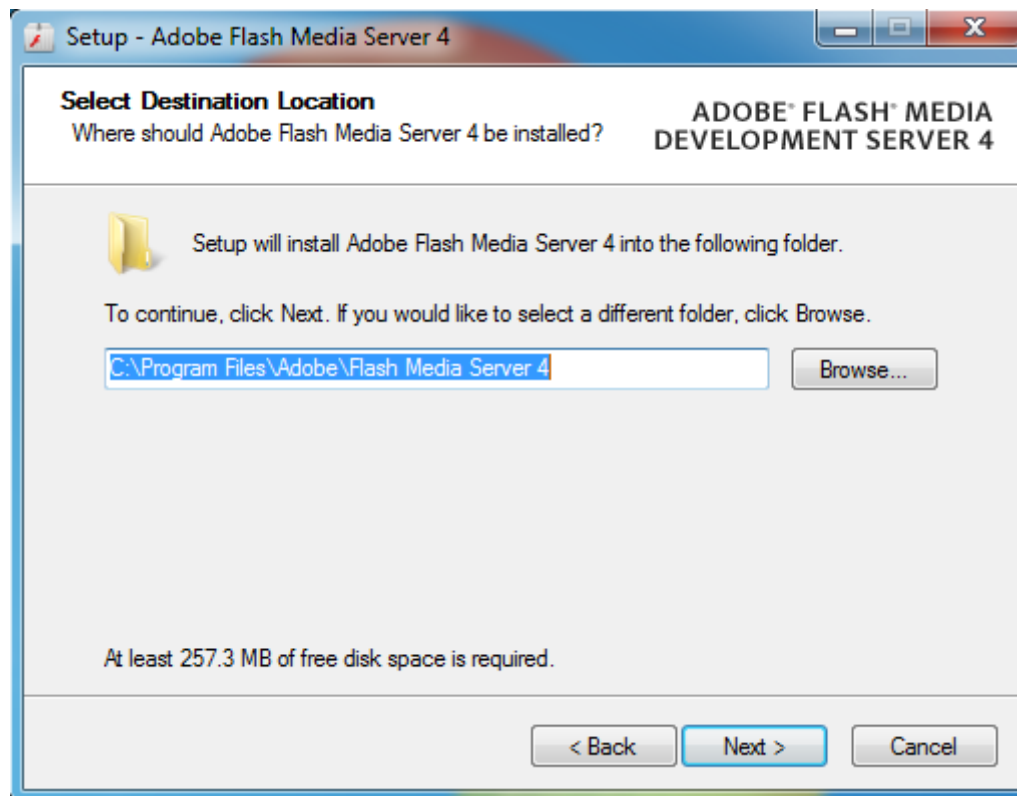
Flash Media Server Installation Step

4. Confirm product information page, and then click [Next] to go to next step.



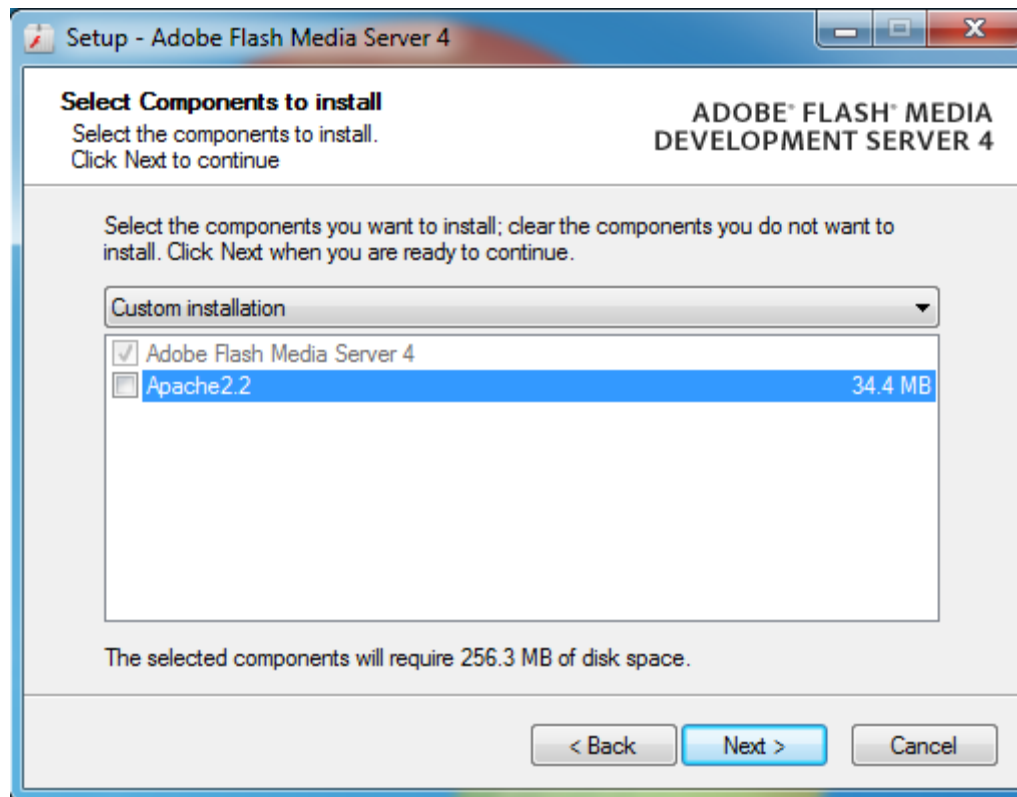
Flash Media Server Installation Step

5. Choose install location, and then click [Next] to go to next step.



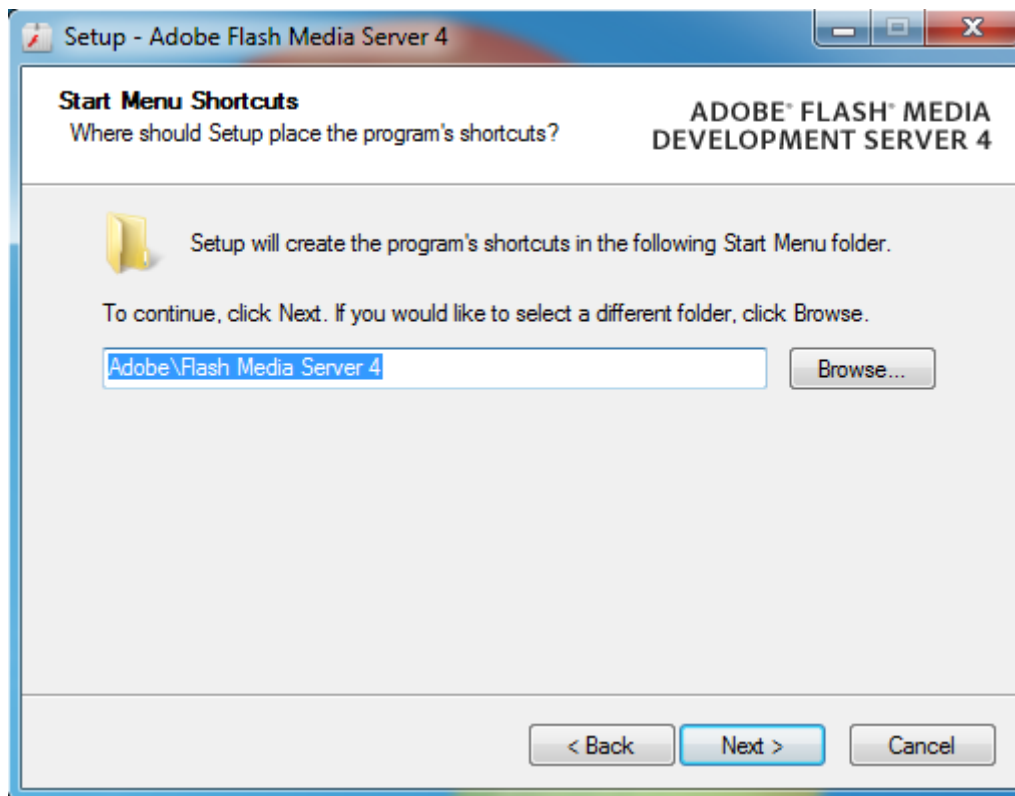
Flash Media Server Installation Step

6. Don't Select Apache2.2, and then click [Next] to go to next step.



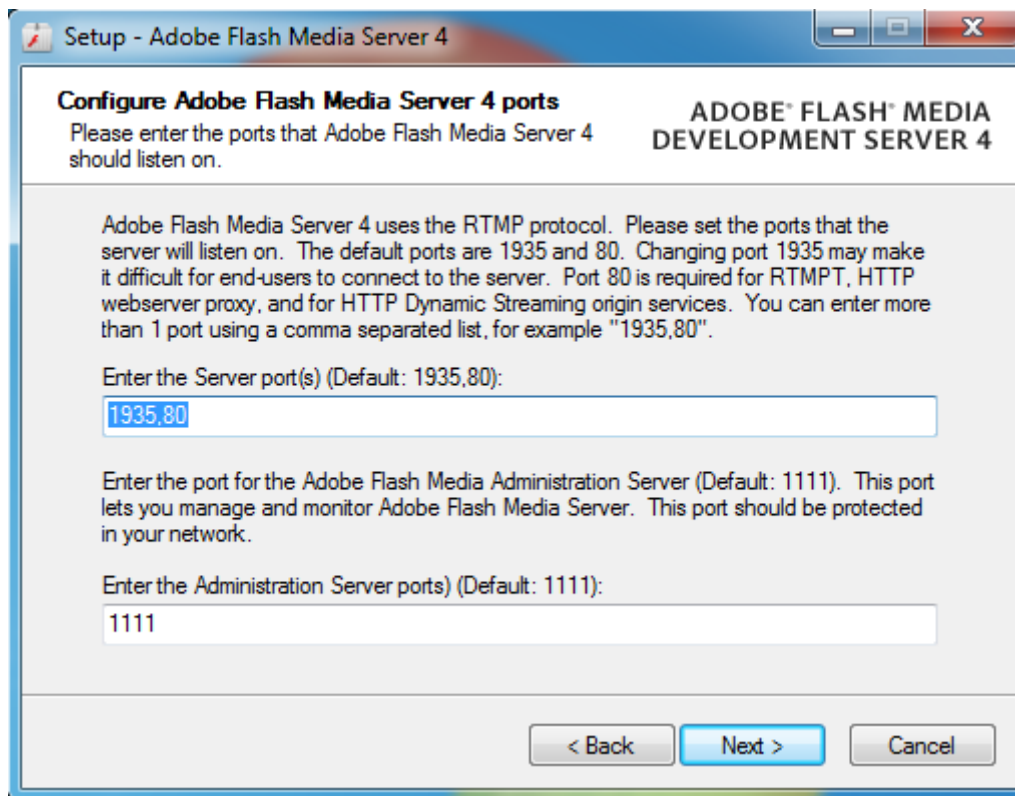
Flash Media Server Installation Step

7. Choose install location, and then click [Next] to go to next step.



Flash Media Server Installation Step

8. Please specify server ports, and then click [Next] to go to next step.



The screenshot shows a Windows-style window titled "Setup - Adobe Flash Media Server 4". The window has a blue header bar with standard minimize, maximize, and close buttons. The main content area is titled "Configure Adobe Flash Media Server 4 ports" and includes the text "Please enter the ports that Adobe Flash Media Server 4 should listen on." In the top right corner, it says "ADOBE® FLASH® MEDIA DEVELOPMENT SERVER 4".

The main text explains: "Adobe Flash Media Server 4 uses the RTMP protocol. Please set the ports that the server will listen on. The default ports are 1935 and 80. Changing port 1935 may make it difficult for end-users to connect to the server. Port 80 is required for RTMPT, HTTP webserver proxy, and for HTTP Dynamic Streaming origin services. You can enter more than 1 port using a comma separated list, for example '1935,80'."

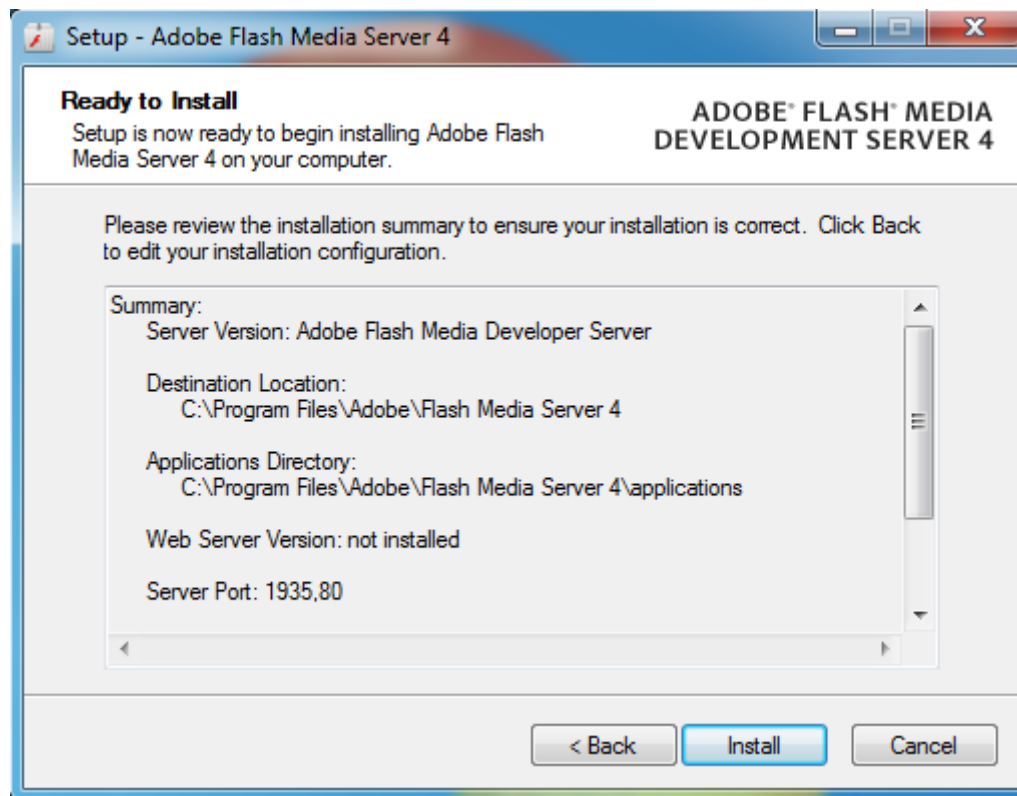
There are two input fields:

- The first is labeled "Enter the Server port(s) (Default: 1935,80):" and contains the text "1935,80".
- The second is labeled "Enter the port for the Adobe Flash Media Administration Server (Default: 1111). This port lets you manage and monitor Adobe Flash Media Server. This port should be protected in your network." and contains the text "1111".

At the bottom of the window, there are three buttons: "< Back", "Next >", and "Cancel". The "Next >" button is highlighted in blue.

Flash Media Server Installation Step

9. Confirm install information page, and then click [Install] to go to next step.



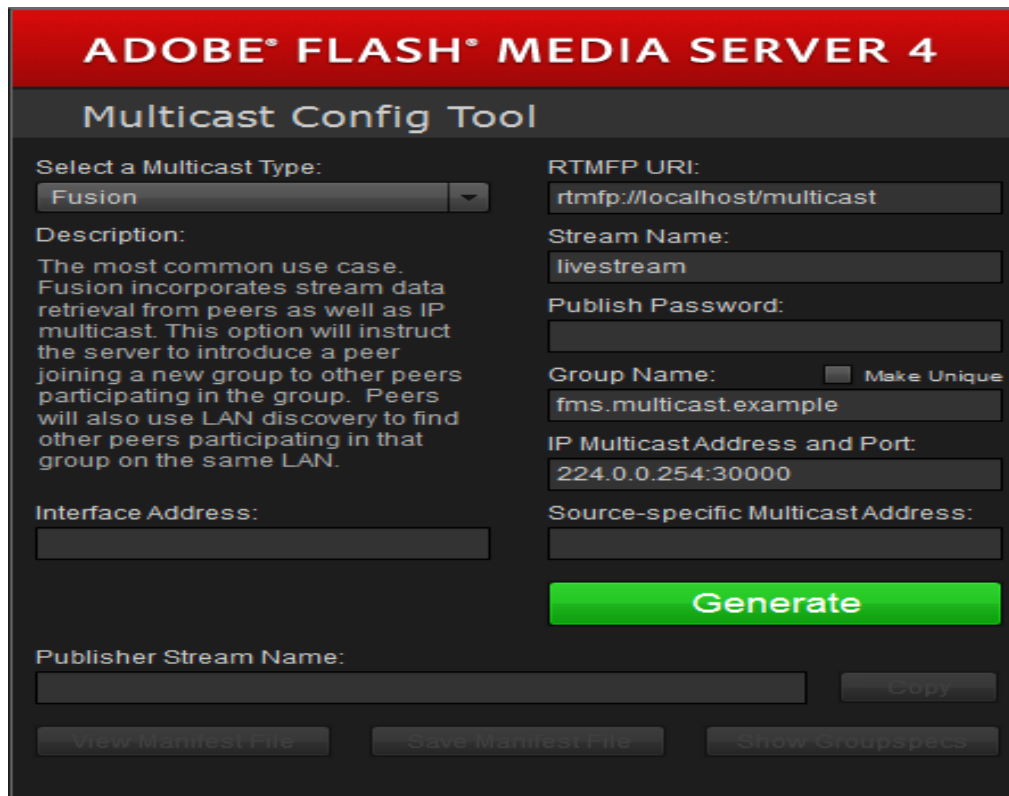
Flash Media Server Installation Step

10. Complete flash media server setup , and then click [Finish] to end this setup.



FMS Multicast Installation Step

11. Create and configure the multicast event, the Multicast Config tool is on `rootinstall/tools/multicast/configurator/configurator.html` in a browser.



The screenshot shows the 'Multicast Config Tool' interface for Adobe Flash Media Server 4. The interface has a red header bar with the text 'ADOBE® FLASH® MEDIA SERVER 4'. Below the header, the title 'Multicast Config Tool' is displayed. The main area is divided into two columns. The left column contains a 'Select a Multicast Type:' dropdown menu with 'Fusion' selected, a 'Description:' section explaining the Fusion use case, an 'Interface Address:' text field, and a 'Publisher Stream Name:' text field. The right column contains an 'RTMFP URI:' text field with 'rtmfp://localhost/multicast', a 'Stream Name:' text field with 'livestream', a 'Publish Password:' text field, a 'Group Name:' text field with 'fms.multicast.example' and a 'Make Unique' checkbox, an 'IP Multicast Address and Port:' text field with '224.0.0.254:30000', and a 'Source-specific Multicast Address:' text field. A large green 'Generate' button is positioned below the right column. At the bottom, there are three buttons: 'View Manifest File', 'Save Manifest File', and 'Show Groupspecs', along with a 'Copy' button next to the 'Publisher Stream Name' field.

ADOBE® FLASH® MEDIA SERVER 4

Multicast Config Tool

Select a Multicast Type:
Fusion

Description:
The most common use case. Fusion incorporates stream data retrieval from peers as well as IP multicast. This option will instruct the server to introduce a peer joining a new group to other peers participating in the group. Peers will also use LAN discovery to find other peers participating in that group on the same LAN.

Interface Address:

RTMFP URI:
rtmfp://localhost/multicast

Stream Name:
livestream

Publish Password:

Group Name: ☐ Make Unique
fms.multicast.example

IP Multicast Address and Port:
224.0.0.254:30000

Source-specific Multicast Address:

Generate

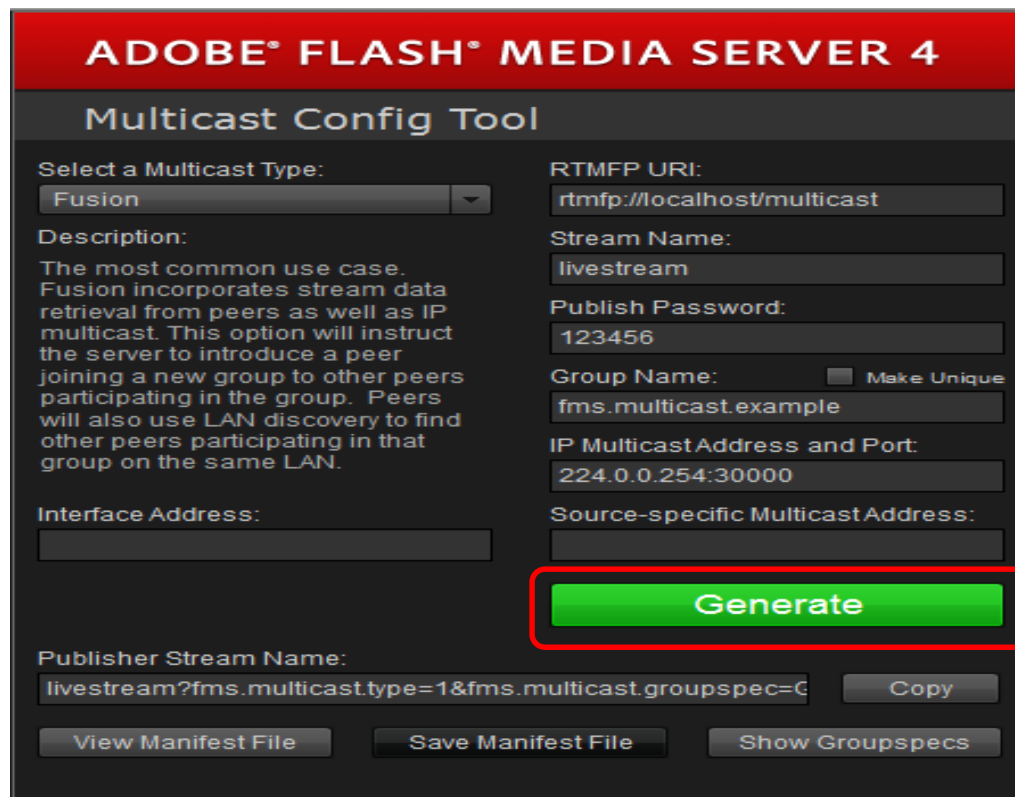
Publisher Stream Name:

Copy

View Manifest File Save Manifest File Show Groupspecs

FMS Multicast Installation Step

12. Click Generate. The multicast config tool will generate manifest.f4m file and publisher stream name.



ADOBE® FLASH® MEDIA SERVER 4

Multicast Config Tool

Select a Multicast Type:
Fusion

Description:
The most common use case. Fusion incorporates stream data retrieval from peers as well as IP multicast. This option will instruct the server to introduce a peer joining a new group to other peers participating in the group. Peers will also use LAN discovery to find other peers participating in that group on the same LAN.

Interface Address:

RTMFP URI:
rtmfp://localhost/multicast

Stream Name:
livestream

Publish Password:
123456

Group Name: ☐ Make Unique
fms.multicast.example

IP Multicast Address and Port:
224.0.0.254:30000

Source-specific Multicast Address:

Generate

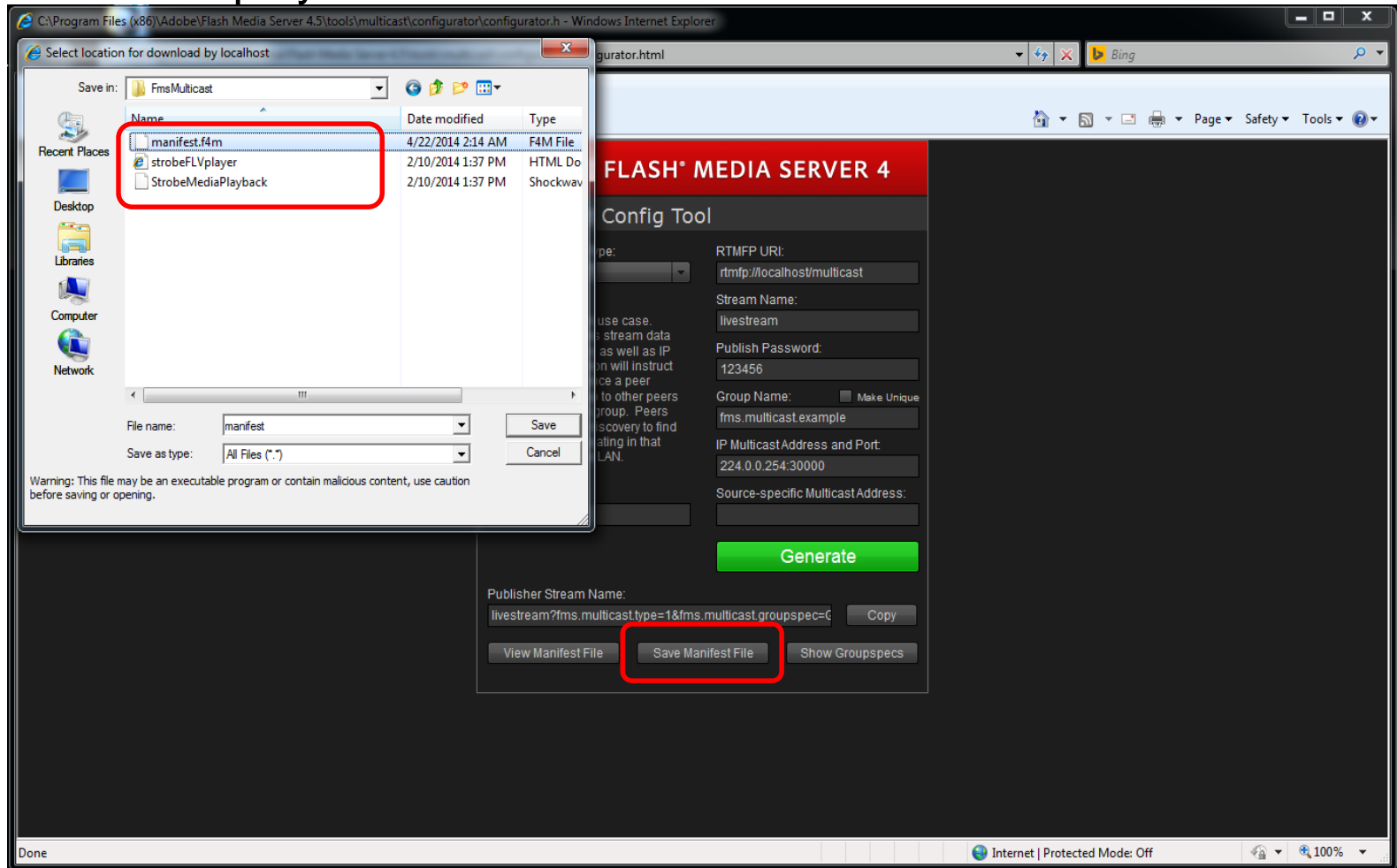
Publisher Stream Name:
livestream?fms.multicast.type=1&fms.multicast.groupspec=C

Copy

View Manifest File Save Manifest File Show Groupspecs

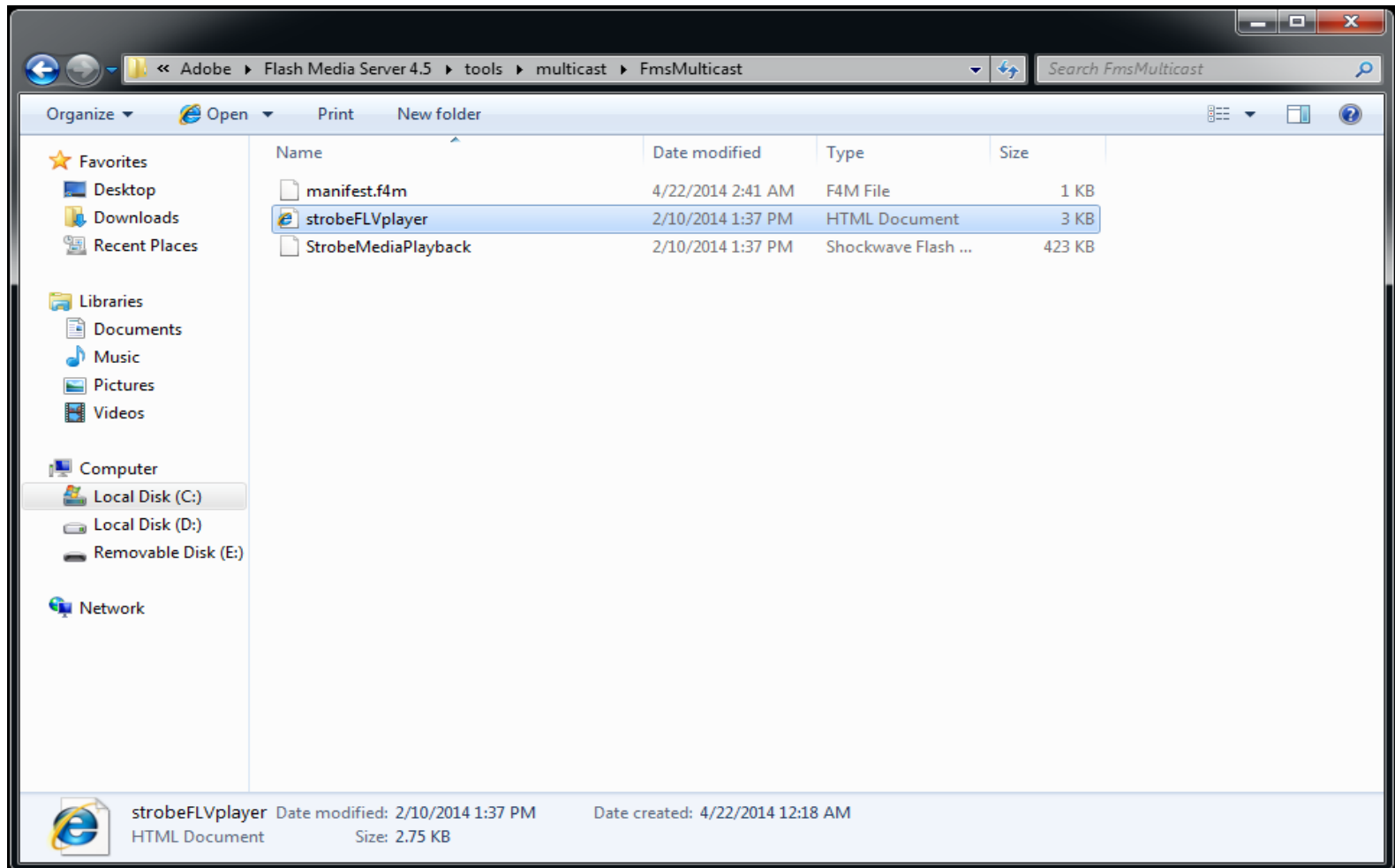
FMS Multicast Installation Step

13. Save the manifest.f4m file to the same location as the multicastplayer.html and multicastplayer.swf files.



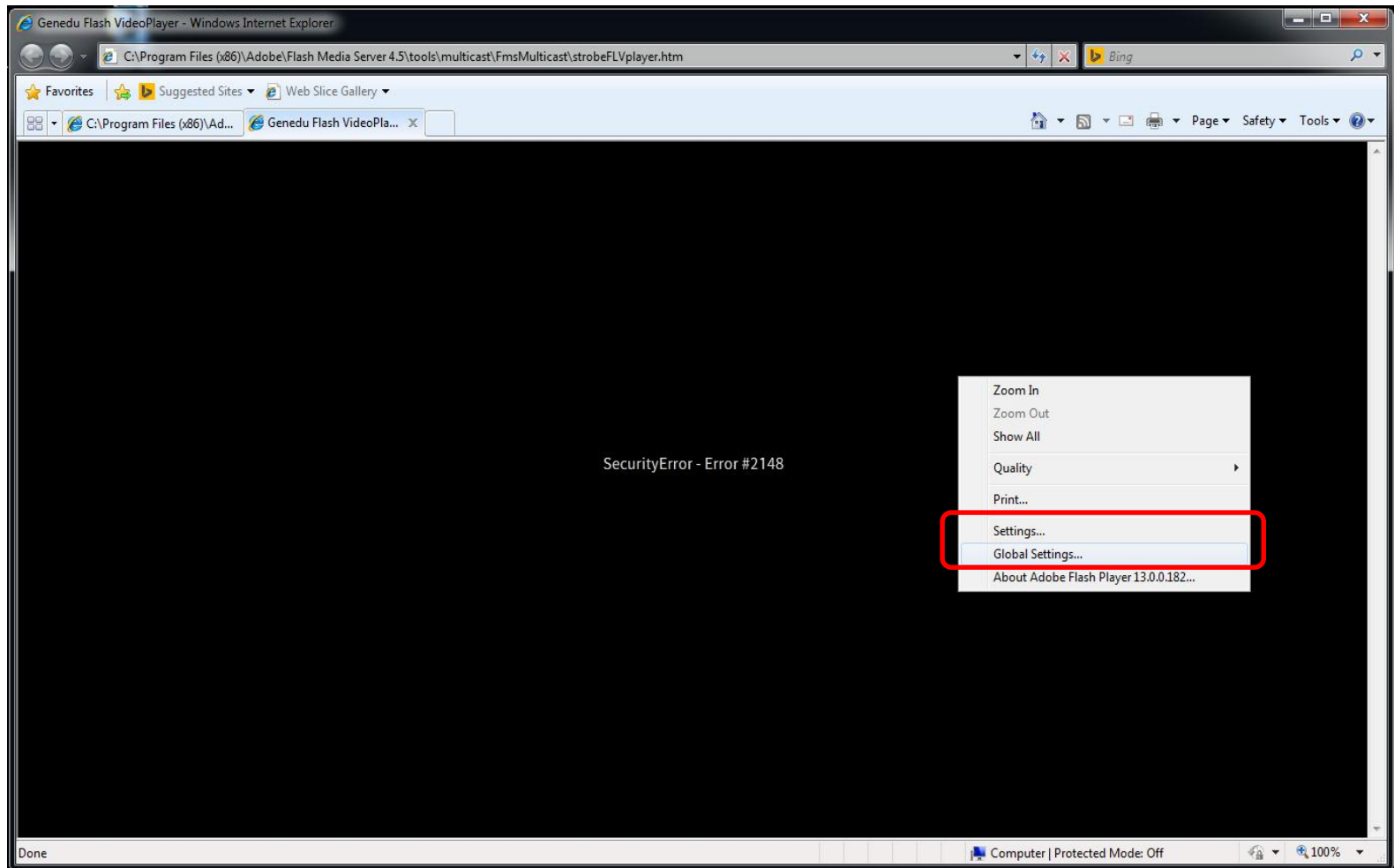
FMS Multicast Installation Step

14. Double click multicastplayer.html in a browser to play a multicast stream.



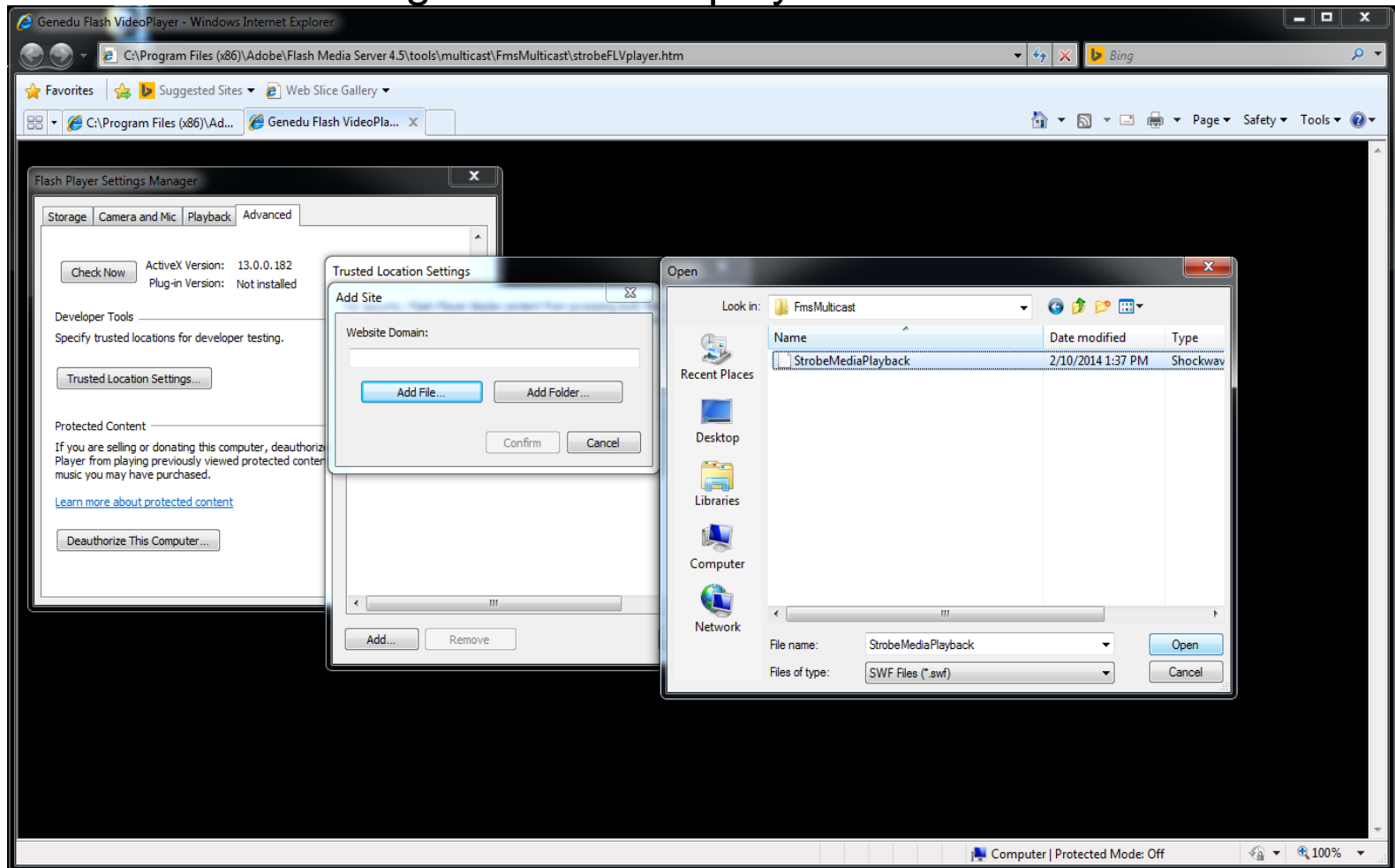
FMS Multicast Installation Step

15. Open adobe Global Settings and then select Global Security Settings panel.



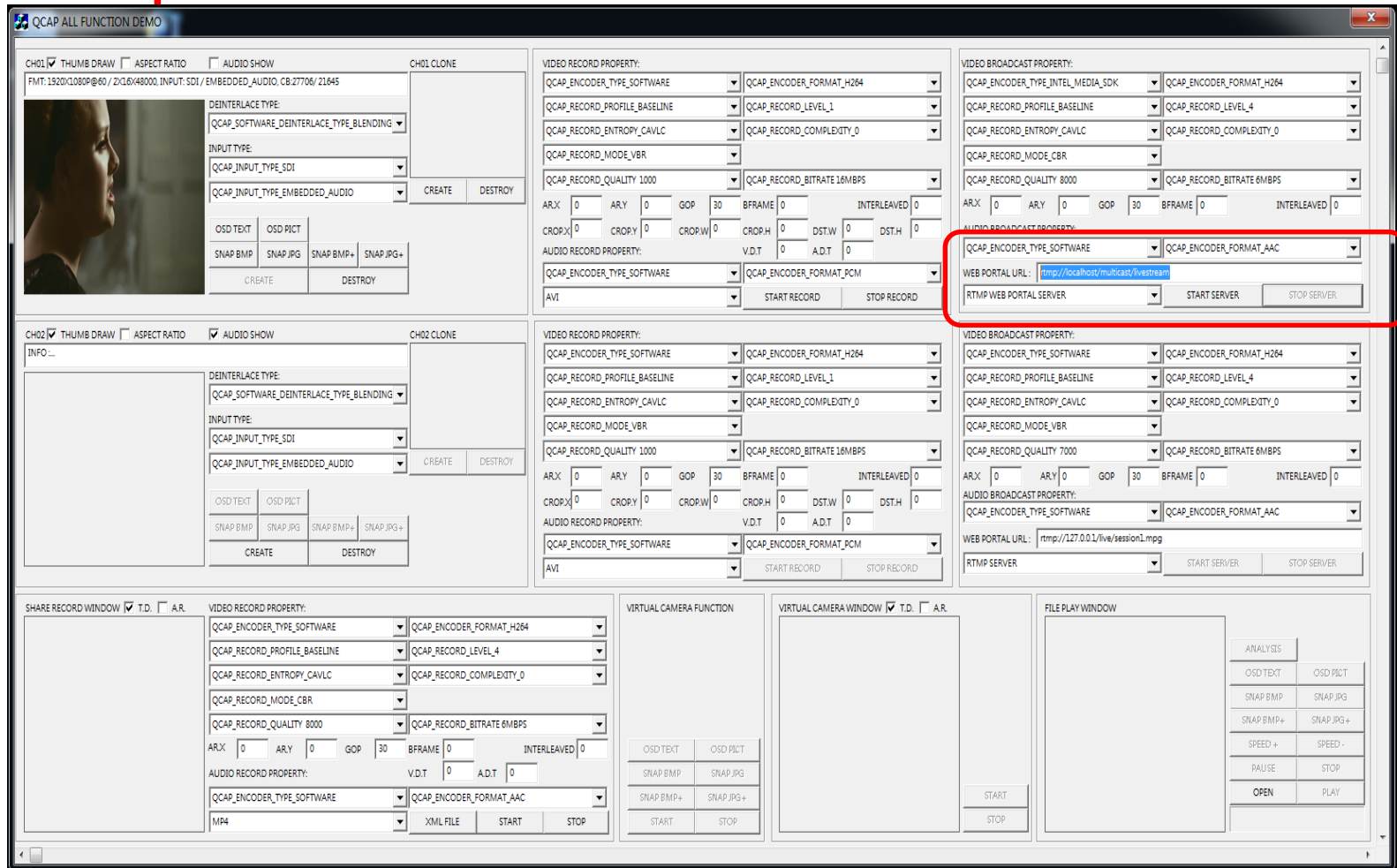
FMS Multicast Installation Step

16. Choose Advanced and click Trusted Location Settings. Click Add, browse to the folder containing the multicastplayer.swf file.



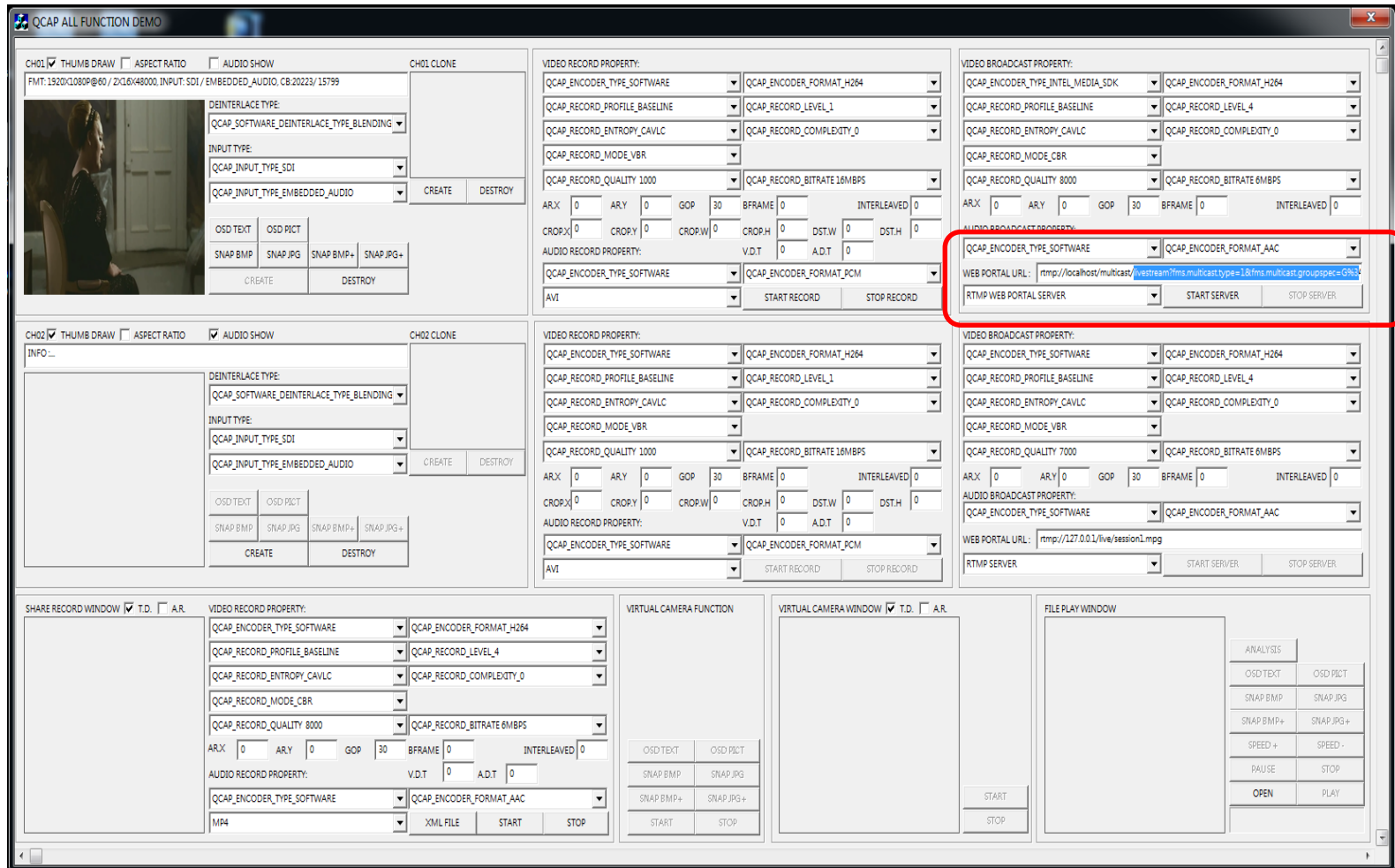
FMS Multicast Installation Step

17. For FMS URL, enter the URL of the multicast service, enter **rtmp://localhost/multicast**.



FMS Multicast Installation Step

18. Paste the Publisher Stream Name you copied from the Multicast Config Tool to the FMS URL.



FMS Multicast Installation Step

19. And then you can see multicast video streaming on website.

