

WCS in Amazon EC2

WCS server can be deployed in Amazon Elastic Compute Cloud (EC2) by two ways:

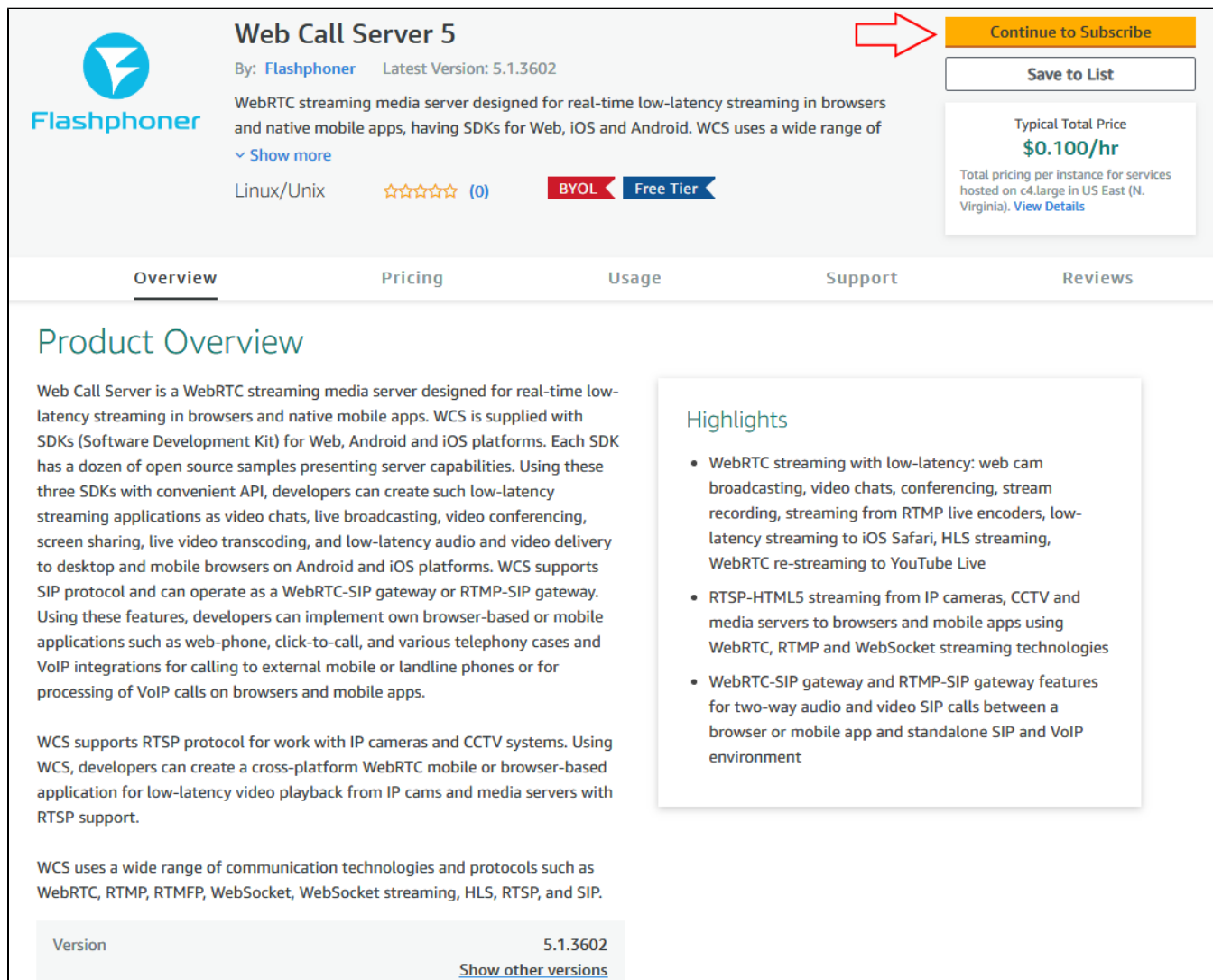
1. Setting up Linux virtual machine and installing WCS from the scratch.
2. WCS automatic deployment from Amazon AWS Marketplace.

Setting up Linux virtual machine and installing WCS from the scratch

This way is useful if you need fine OS tuning, additional modules installation and so on. Launch a Linux virtual machine by [this AWS manual](#), set it up on your need, then install WCS by [quick](#) or [detailed](#) installation manual.

WCS automatic deployment from Amazon AWS Marketplace

1. Open [Web Call Server](#) page on Amazon AWS Marketplace and click Continue to Subscribe:



Web Call Server 5
By: [Flashphoner](#) Latest Version: 5.1.3602

WebRTC streaming media server designed for real-time low-latency streaming in browsers and native mobile apps, having SDKs for Web, iOS and Android. WCS uses a wide range of

[Show more](#)

Linux/Unix ★★★★☆ (0) BYOL Free Tier

[Continue to Subscribe](#)

[Save to List](#)

Typical Total Price
\$0.100/hr
Total pricing per instance for services hosted on c4.large in US East (N. Virginia). [View Details](#)

[Overview](#) [Pricing](#) [Usage](#) [Support](#) [Reviews](#)

Product Overview

Web Call Server is a WebRTC streaming media server designed for real-time low-latency streaming in browsers and native mobile apps. WCS is supplied with SDKs (Software Development Kit) for Web, Android and iOS platforms. Each SDK has a dozen of open source samples presenting server capabilities. Using these three SDKs with convenient API, developers can create such low-latency streaming applications as video chats, live broadcasting, video conferencing, screen sharing, live video transcoding, and low-latency audio and video delivery to desktop and mobile browsers on Android and iOS platforms. WCS supports SIP protocol and can operate as a WebRTC-SIP gateway or RTMP-SIP gateway. Using these features, developers can implement own browser-based or mobile applications such as web-phone, click-to-call, and various telephony cases and VoIP integrations for calling to external mobile or landline phones or for processing of VoIP calls on browsers and mobile apps.

WCS supports RTSP protocol for work with IP cameras and CCTV systems. Using WCS, developers can create a cross-platform WebRTC mobile or browser-based application for low-latency video playback from IP cams and media servers with RTSP support.


WCS uses a wide range of communication technologies and protocols such as WebRTC, RTMP, RTMFP, WebSocket, WebSocket streaming, HLS, RTSP, and SIP.


Version **5.1.3602**
[Show other versions](#)

Highlights

- WebRTC streaming with low-latency: web cam broadcasting, video chats, conferencing, stream recording, streaming from RTMP live encoders, low-latency streaming to iOS Safari, HLS streaming, WebRTC re-streaming to YouTube Live
- RTSP-HTML5 streaming from IP cameras, CCTV and media servers to browsers and mobile apps using WebRTC, RTMP and WebSocket streaming technologies
- WebRTC-SIP gateway and RTMP-SIP gateway features for two-way audio and video SIP calls between a browser or mobile app and standalone SIP and VoIP environment

2. The product description page with hourly pricing depending on selected instance will be shown. Click Continue to Configuration

**Web Call Server 5**

[Continue to Configuration](#)

[< Product Detail](#) [Subscribe](#)

Subscribe to this software

You are already subscribed to this product. Please see the terms and pricing details below or click the button above to configure your software.

Terms and Conditions

Flashphoner Offer

Product	Effective Date	Expiration Date	Action
Web Call Server 5	7/10/2018	N/A	Hide Details


This table shows pricing information for the listed software components. You will be charged separately for your use of each component.


Web Call Server 5 **BYOL**

Additional taxes or fees may apply.

Web Call Server 5	
EC2 Instance Type	Software/hr
t2.micro	\$0
t2.small	\$0
t2.medium	\$0
t2.large	\$0
t2.xlarge	\$0
t2.2xlarge	\$0

3. A server configuration page will be shown. Select region and click Continue to Launch

**Web Call Server 5**

[Continue to Launch](#)

[< Product Detail](#) [Subscribe](#) [Configure](#)

Configure this software

Choose a fulfillment option below to select how you wish to deploy the software, then enter the information required to configure the deployment.

Fulfillment Option

64-bit (x86) Amazon Machine Image (AMI) ▼

Software Version

5.1.3602 (Dec 07, 2018) ▼

Region

US East (N. Virginia) ▼

Ami Id: ami-0ced0c5547a993ebb

Pricing information

This is an estimate of typical software and infrastructure costs based on your configuration. Your actual charges for each statement period may differ from this estimate.

Software Pricing

Web Call Server 5 \$0/hr

BYOL


running on c4.large

Infrastructure Pricing

EC2: 1 * c4.large

Monthly Estimate: \$72/month

4. Abn instance launch page will be shown. Select instance type



Web Call Server 5

[< Product Detail](#) [Subscribe](#) [Configure](#) [Launch](#)

Launch this software

Review your configuration and choose how you wish to launch the software.

Configuration Details

Fulfillment Option	64-bit (x86) Amazon Machine Image (AMI) Web Call Server 5 <i>running on c4.large</i>
Software Version	5.1.3602
Region	US East (N. Virginia)

Usage Instructions

Choose Action

Launch from Website ▼

Choose this action to launch from this website

EC2 Instance Type


c4.large ▼

Memory: 3.75 GiB
CPU: 8 EC2 Compute Units (2 virtual cores with 4.0 Compute Units each)
Storage: EBS storage only
Network Performance: Moderate

5. Then scroll page down to Security Group Settings, click Create New Based On Seller Settings

Security Group Settings

A security group acts as a firewall that controls the traffic allowed to reach one or more instances. You can create a new security group based on seller-recommended settings or choose one of your existing groups. [Learn more](#)

default ▼ 

Create New Based On Seller Settings

6. Security Group creation page will be shown. Set the group name, description and click Save

Create new based on seller settings

A new security group will be generated by AWS Marketplace. It is based on recommended settings for Web Call Server 5 version 5.1.3602.

Name your security Group

Description

Connection Method	Protocol	Port Range	Source (IP or Group)	
SSH	tcp	22	Anywhe ▾	0.0.0.0/0
	tcp	554	Anywhe ▾	0.0.0.0/0
	udp	30000-33000	Anywhe ▾	0.0.0.0/0
	tcp	8080-8082	Anywhe ▾	0.0.0.0/0
	tcp	8443-8445	Anywhe ▾	0.0.0.0/0
	tcp	8888	Anywhe ▾	0.0.0.0/0
	tcp	9091	Anywhe ▾	0.0.0.0/0
	tcp	1935	Anywhe ▾	0.0.0.0/0
	udp	1935	Anywhe ▾	0.0.0.0/0

Rules with source of 0.0.0.0/0 allows all IP addresses to access your instance. We recommend limiting access to only known IP addresses.

CancelSave

7. Select the new group in dropdown list

Security Group Settings

A security group acts as a firewall that controls the traffic allowed to reach one or more instances. You can create a new security group based on seller-recommended settings or choose one of your existing groups. [Learn more](#)

Create New Based On Seller Settings

8. Click Launch



Web Call Server 5

Security Group Settings

A security group acts as a firewall that controls the traffic allowed to reach one or more instances. You can create a new security group based on seller-recommended settings or choose one of your existing groups. [Learn more](#)

WCS



Create New Based On Seller Settings

Key Pair Settings

To ensure that no other person has access to your software, the software installs on an EC2 instance with an EC2 key pair that you created.

test



[Create a key pair in EC2](#)

(Ensure you are in the region you wish to launch your software)



Launch

9. A message will be displayed about instance deployment. It takes about a minute.

✓ Thank you for launching Web Call Server 5

An instance of this software is now deploying on EC2.

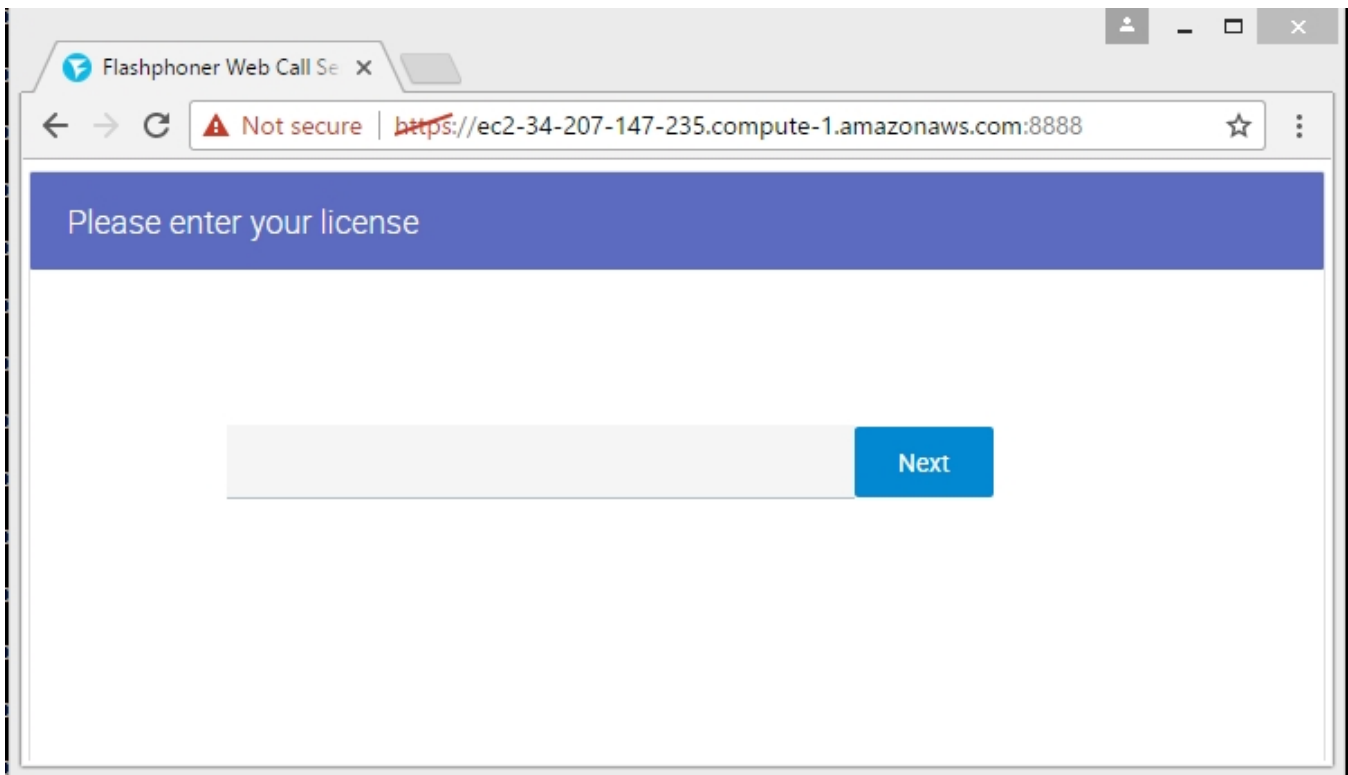
You can check the status of this instance on [EC2 Console](#). You can also view all instances on [Your Software](#) page.

Software and AWS hourly usage fees apply when the instance is running and will appear on your monthly bill.

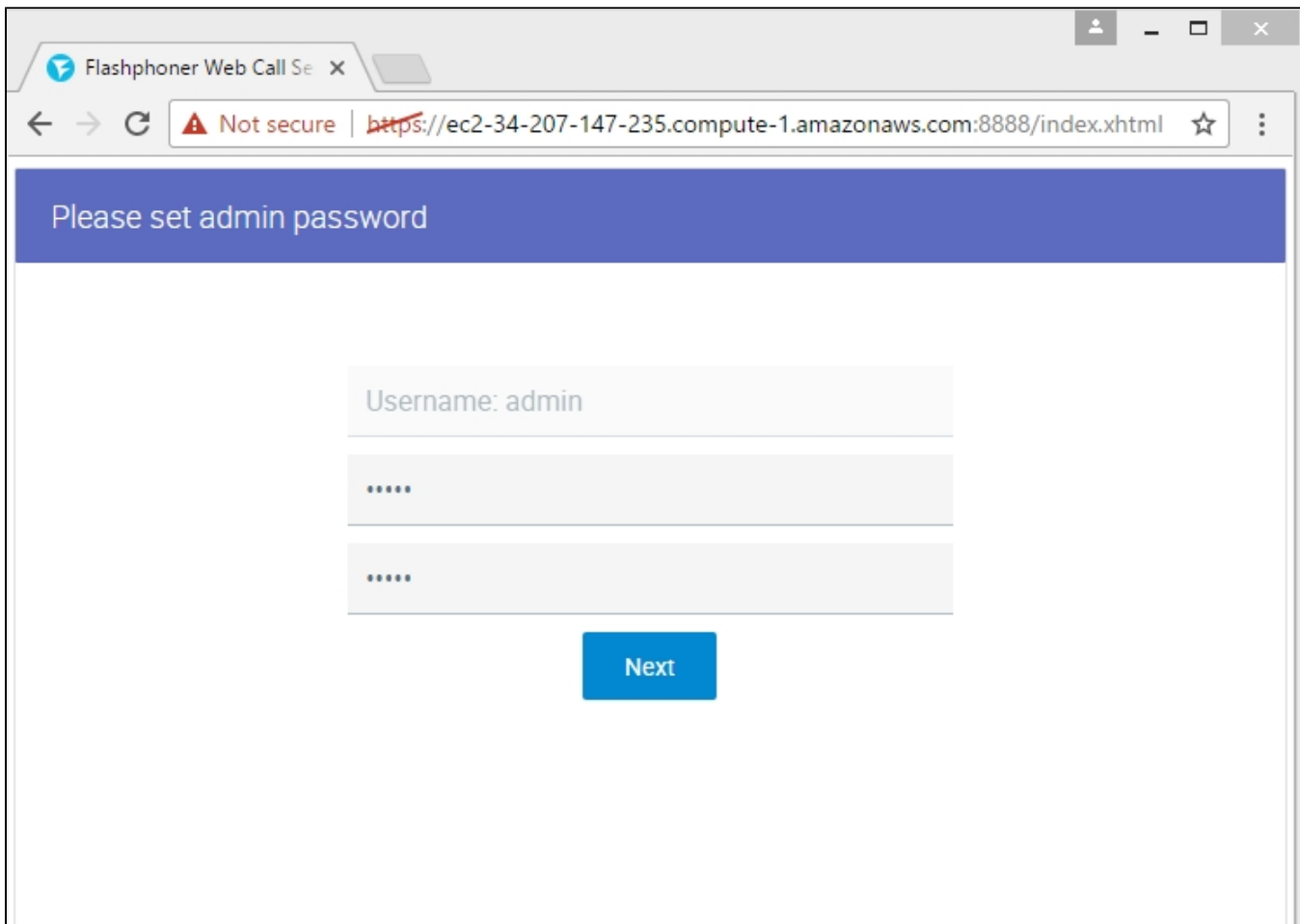
10. Click on EC2 Console link. Find the virtual machine launched in 'Instances' section. Look the 'Public DNS' column for host name.

	Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP
		i-072aa0a97124aa7c5	t2.micro	us-east-1a	running	Initializing	None	ec2-34-207-147-235.co...	34.207.147.235

11. Open WCS server web interface <https://host.amazonaws.com:8888> in your browser, accept security exception. On license key page enter your [commercial](#) or [30 days trial](#) licence key:




12. Set administrator password:



13. Check WebRTC streaming from web camera and playing the stream using Two Way Streaming web application:


Two-way Streaming

Local



269f Stop

Player



269f Stop Available

PUBLISHING

wss://ec2-34-207-147-235.compute-1.amazonaws.com

PLAYING

Disconnect

ESTABLISHED