

WCS-сервер в Amazon EC2

WCS-сервер может быть развернут в Amazon Elastic Compute Cloud (EC2) двумя способами:

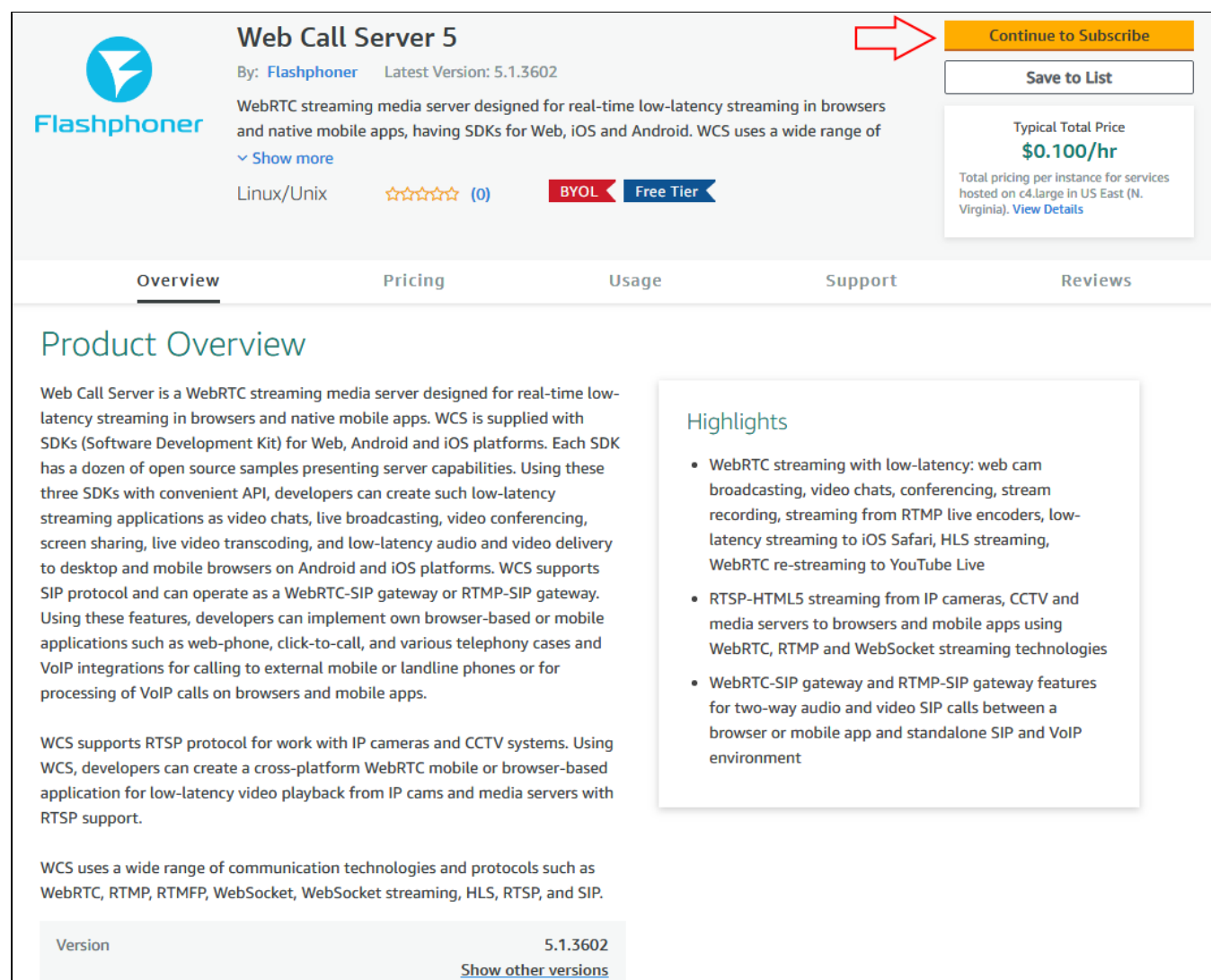
1. Настройка виртуальной машины в облаке и установка WCS с нуля.
2. Развертывание готового образа WCS из Amazon AWS Marketplace.

Настройка виртуальной машины и установка WCS с нуля

Этим способом можно воспользоваться, если Вам необходима более тонкая настройка операционной системы, установка дополнительных компонентов и т.п. Запустите виртуальную машину Linux по [инструкции от AWS](#), настройте ее по необходимости, затем установите WCS по [краткой](#) или [подробной инструкции](#).

Развертывание готового образа WCS из Amazon AWS Marketplace

1. Откройте [страницу Web Call Server](#) на Amazon AWS Marketplace, нажмите 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. Откроется страница с описанием продукта и почасовой стоимостью в зависимости от выбранной конфигурации сервера. Нажмите 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. Откроется страница конфигурации сервера. Выберите регион размещения сервера и нажмите 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. Откроется страница запуска сервера. Выберите тип виртуальной машины, который будет использован для создания экземпляра сервера.



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. Прокрутите страницу до настройки Security Group Settings, нажмите 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. Отобразится страница создания Security Group. Укажите имя группы, описание и нажмите 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. Выберите новую группу в выпадающем списке

Security Group Settings

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Create New Based On Seller Settings

8. Нажмите 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. Отобразится сообщение об успешном запуске

✓ Thank you for launching Web Call Server 5

An instance of this software is now deploying on EC2.

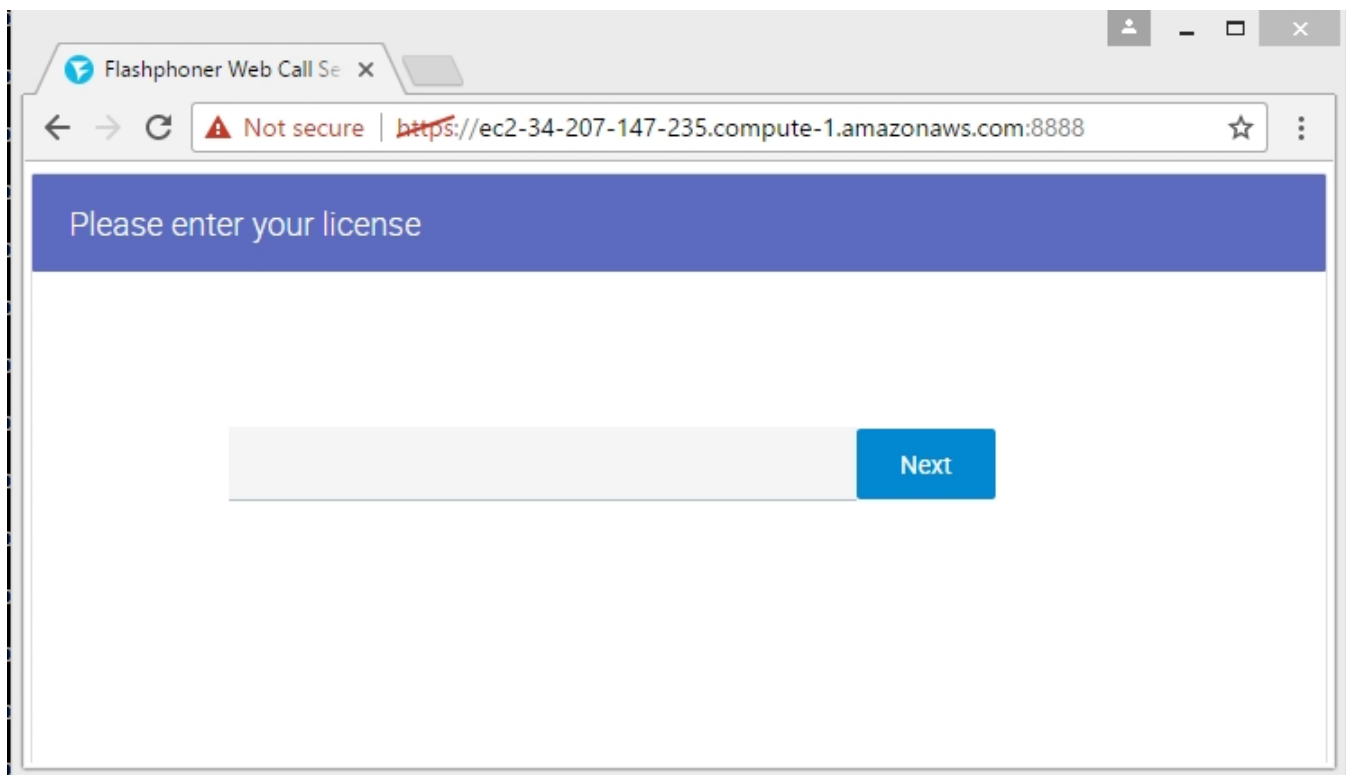
You can check the status of this instance on [EC2 Console](#). You can also view all instances on [Your Software](#) page.

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

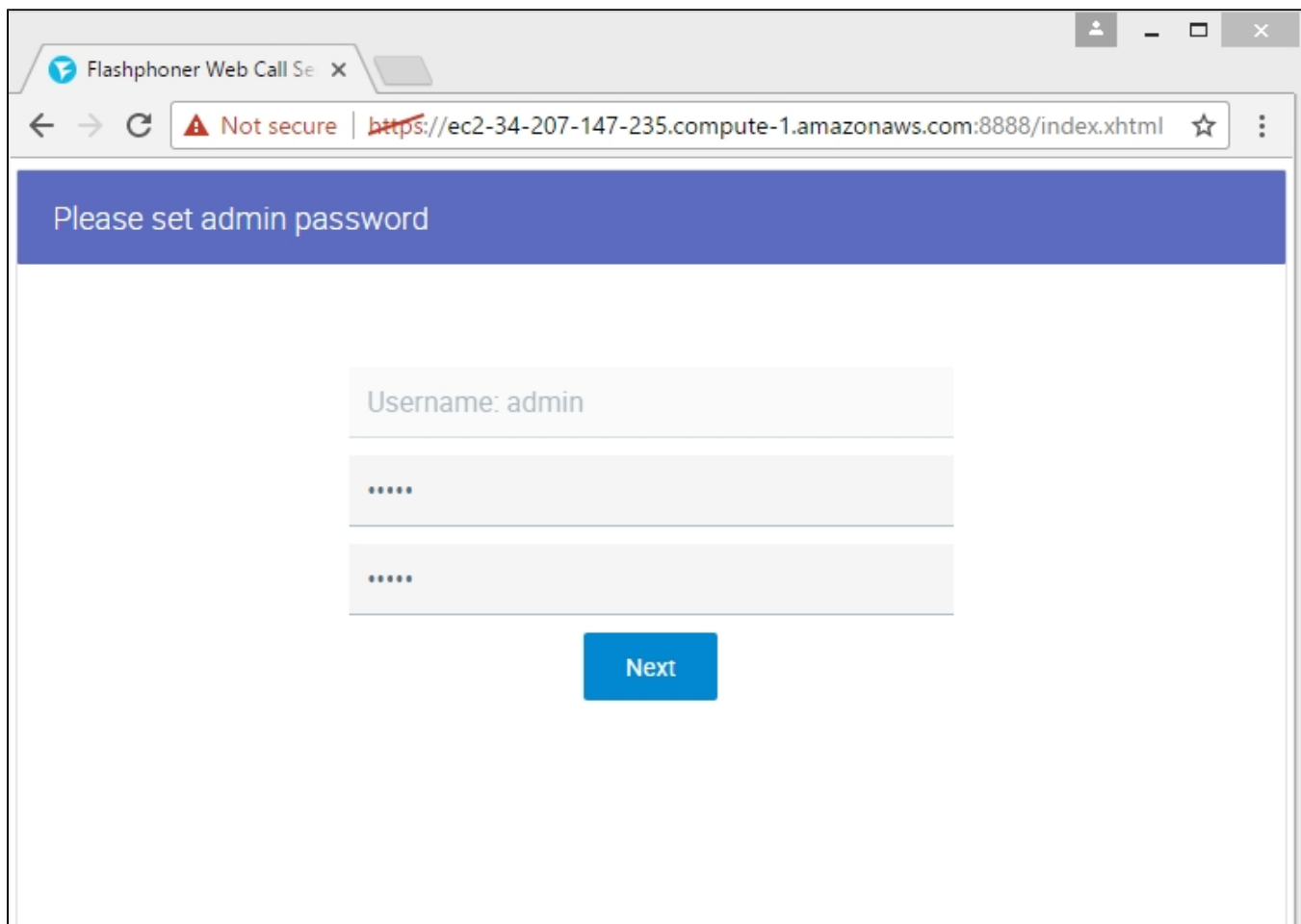
10. Нажмите на ссылку EC2 Console. В разделе Instances найдите запущенную виртуальную машину

	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. Откройте в браузере адрес веб-интерфейса запущенного WCS-сервера <https://host.amazonaws.com:8888>, примите исключение безопасности. На странице ввода лицензионного ключа введите номер [коммерческой](#) или [ознакомительной 30-дневной](#) лицензии:




12. Установите пароль администратора:



13. Проверьте публикацию и воспроизведение WebRTC-потока с веб-камеры на примере Two Way Streaming:

Two-way Streaming


Local



269f

Stop

Player



269f

Stop

Available

PUBLISHING

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

PLAYING

Disconnect

ESTABLISHED