

WCS on Digital Ocean

WCS can be deployed to Digital Ocean from [Digital Ocean Marketplace](#) image. [30 days trial license](#) is automatically activated on first launch. To deploy the server, do the following steps:

1. Open marketplace application [page](#), press Create Flashphoner Web Call Server Droplet

The screenshot shows the Digital Ocean Marketplace page for the 'Flashphoner Web Call Server' application. The page includes a search bar, a 'Create Flashphoner Web Call Server Droplet' button, a description of the application, and support details.

Description

Web Call Server is a platform for real-time audio and video applications. It is designed primarily for developers who spin up streaming projects such as video chat, webinar, mass broadcasting, web calls, low-latency web and mobile apps. The platform supports all popular today streaming video web-technologies such as WebRTC, Flash, RTMP, RTMPF, RTSP, HLS, MSE, SIP, and Websocket streaming, which allows delivering a video stream to a wide range of browsers and mobile devices. Development tools and APIs: Web SDK, iOS SDK, Android SDK, REST API. General features: low-latency streaming, low-latency CDN, VR streaming, recording, video mixing, screen-sharing, stream snapshots, real-time video transcoding, VOD, SIP calls, etc.

Support Details

Supported By: Flashphoner
Hours: 10am - 8pm GMT+3
Support URL: <https://forum.flashphoner.com/>
Support Email: support@flashphoner.com

2. On droplet creation page, Flashphoner Web Call Server application will be selected in the list

The screenshot shows a list of applications available for deployment on Digital Ocean. The 'Flashphoner 5.2.133 on CentOS 7.6' application is highlighted in blue.

Django 1.11.11 on 18.04 Details	Docker 5:18.09.6~3 on 18.04 Details	Dokku 0.17.9 on 18.04 Details
FastNetMon 2.0 on Ubuntu 18.04 Details	FastPanel 1.7 on Debian 9 Details	Flashphoner 5.2.133 on CentOS 7.6 Details
Ghost on 18.04 Details	Gitea 1.8.2 on Ubuntu 18.04 Details	GitLab 11.8.0 on Ubuntu 18.04 Details

3. Choose a server capabilities and tariff plan








The screenshot shows the 'Choose a plan' page on Digital Ocean. It features two main categories: 'STARTER' and 'PERFORMANCE'. The 'Standard' plan is selected under 'STARTER'. The 'PERFORMANCE' category includes 'General Purpose' (marked as 'NEW') and 'CPU Optimized'.

Standard virtual machines with a mix of memory and compute resources. Best for small projects that can handle variable levels of CPU performance, like blogs, web apps and dev/test environments.

Plan	Price	RAM	CPU	Disk	Transfer
Standard	\$5/mo \$0.007/hour	1 GB	1 CPU	25 GB SSD disk	1000 GB transfer
General Purpose	\$10/mo \$0.015/hour	2 GB	1 CPU	50 GB SSD disk	2 TB transfer
General Purpose	\$15/mo \$0.022/hour	3 GB	1 CPU	60 GB SSD disk	3 TB transfer
General Purpose	\$15/mo \$0.022/hour	2 GB	2 CPUs	60 GB SSD disk	3 TB transfer
CPU Optimized	\$15/mo \$0.022/hour	1 GB	3 CPUs	60 GB SSD disk	3 TB transfer
CPU Optimized	\$20/mo \$0.030/hour	4 GB	2 CPUs	80 GB SSD disk	4 TB transfer

4. Choose a region to place a server

Choose a datacenter region

 New York 1 2 3	 San Francisco 1 2	 Amsterdam 2 3	 Singapore 1	 London 1	 Frankfurt 1
 Toronto 1	 Bangalore 1				

5. Select One-Time Password authentication

Authentication ?

SSH keys
 A more secure authentication method

One-time password
 Emails a one-time root password to you (less secure)

6. Enter server hostname

Finalize and create

How many Droplets?
 Deploy multiple Droplets with the same [configuration](#).

Choose a hostname
 Give your Droplets an identifying name you will remember them by. Your Droplet name can only contain alphanumeric characters, dashes, and periods.

- 1 Droplet +

flashphoner-centos-s-1vcpu-2gb-fra1-01

7. Press Create droplet


Select Project


Assign Droplets to a project

Flashphoner

Create Droplet

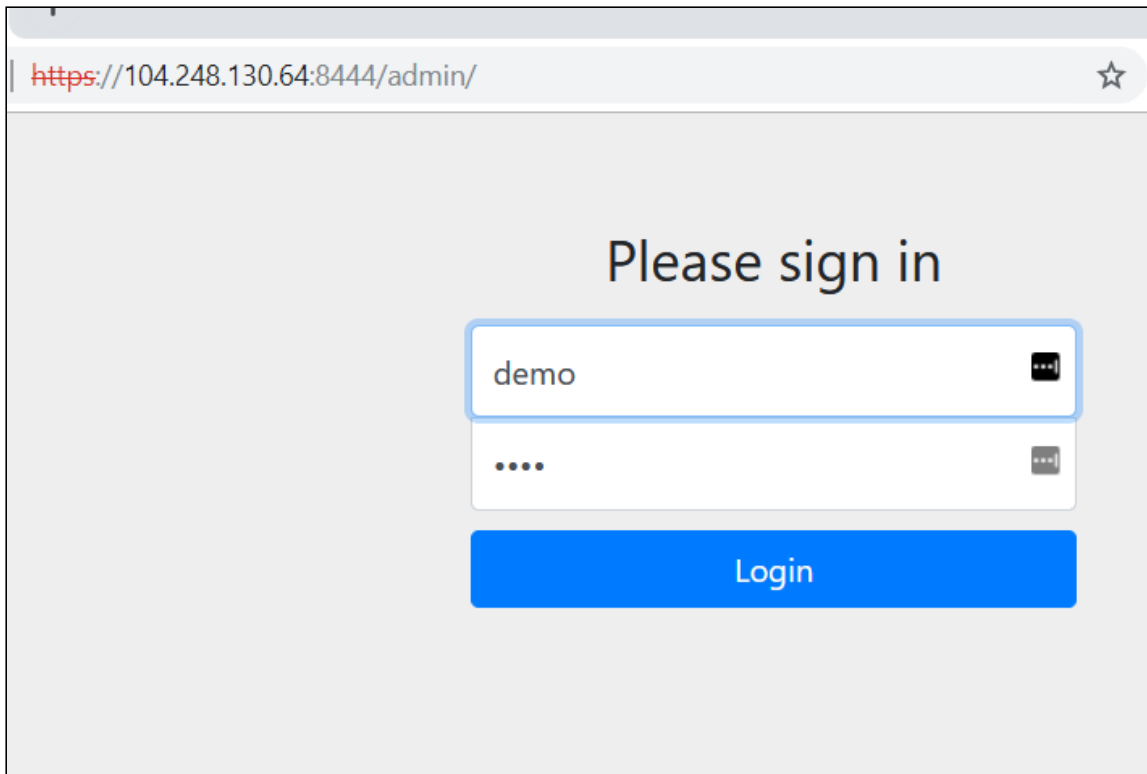
8. After creation, server will be launched


flashphoner-centos-s-1vcpu-2gb-fra1-01
ON

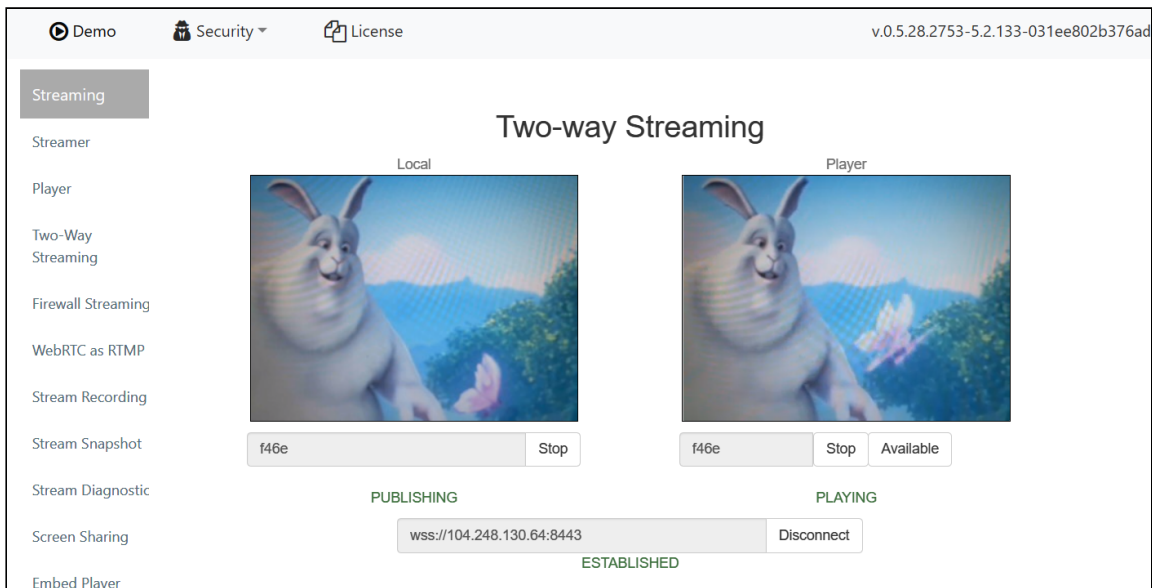
in  Flashphoner / 2 GB Memory / 50 GB Disk / FRA1 - Flashphoner 5.2.133 on CentOS 7.6

ipv4: 104.248.130.64 ipv6: [Enable now](#) Private IP: [Enable now](#) Floating IP: [Enable now](#) [Console: !\[\]\(fd18f93f4f52debcbcb22e14cdddff3d_img.jpg\)](#)

10. Open the page https://droplet_ip:8444/admin/ in browser, where droplet_ip is server IP address, accept security exception. Enter username demo and password demo



11. Select Two Way Streaming example, check stream publishing and playback



12. Connect to server with ssh

```

$ ssh root@104.248.130.64
root@104.248.130.64's password:
You are required to change your password immediately (root enforced)
Last login: Wed Jul 10 10:41:59 2019 from [REDACTED]
Changing password for root.
(current) UNIX password:
New password:
Retype new password:
*****
Flashphoner Web Call Server is a streaming media server-side platform
for real-time video delivery in browsers and mobile apps

Configure WCS parameters:
vi /usr/local/FlashphonerWebCallServer/conf/flashphoner.properties

Configure JVM parameters:
vi /usr/local/FlashphonerWebCallServer/conf/wcs-core.properties file

Activate commercial license:
cd /usr/local/FlashphonerWebCallServer/bin
./activation.sh

Start server:
systemctl start webservers

Stop server:
systemctl stop webservers

Restart server after settings change:
systemctl restart webservers

Access to server CLI:
ssh admin@localhost -p 2001

For more information on Flashphoner Web Call Server, please read
the official documentation:
https://docs.flashphoner.com/display/WCS52EN/Server+functions
*****
[root@flashphoner-centos-s-1vcpu-2gb-fra1-01 ~]#

```

Attachments:

- do_market-product-page.png (image/png)
- do_market-app-list.png (image/png)
- do_market-choose-plan.png (image/png)
- do_market-choose-region.png (image/png)
- do_market-auth-password.png (image/png)
- do_market-choose-name.png (image/png)
- do_market-create-droplet.png (image/png)
- do_market-droplet-created.png (image/png)
- do_market-wcs-login.png (image/png)

- [do_market-publish.png](#) (image/png)
- [do_market-ssh-login.png](#) (image/png)