## Quick deployment and testing of the server

1. Install CentOS 7 x86\_64 to the server that matches the following minimum specifications:

- 2 gigabytes of RAM
- 10 gigabytes of disk space
- 1 CPU core

or use a VPS with similar characteristics.

2. Specify the name of the server in /etc/host and check its availability using the command

ping \$HOSTNAME

3. Install wget

sudo yum install wget

4. Install java

sudo yum install java

5. Download the installation package of last stable WebCallServer version from this page, for example:



Where xxxx is build number of last stable WebCallServer version

6. Install WCS:

```
tar -xvzf FlashphonerWebCallServer-5.2.xxxx.tar.gz
cd FlashphonerWebCallServer-5.2.xxxx
sudo ./install.sh
```

Where FlashphonerWebCallServer-5.2.xxxx.tar.gz is the downloaded on step 6 file name.

8. Activate a commercial or a 30-days trial license:

```
cd /usr/local/FlashphonerWebCallServer/bin
sudo ./activation.sh
```

9. Configure the firewall of the server and NAT (if available):

Туре	Protocol	Port Range	Source
Custom UDP Rule	UDP	30000-33000	0.0.0/0
Custom TCP Rule	ТСР	8444	0.0.0/0
Custom TCP Rule	ТСР	8443	0.0.0/0
Custom TCP Rule	ТСР	30000-33000	0.0.0/0
Custom TCP Rule	ТСР	1935	0.0.0/0

10. Run WCS

sudo systemctl start webcallserver

11. Open the link https://yourserver:8444/ in a browser and confirm the security exception.

12. Login to the WCS web interface (user admin, password admin):

Please sign in	
Login	••••]
Password	••••]
Login	

After successful authorization, WCS web interface with the Embed Player application opens

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Streaming Streamer	Embed player	-
Player Two-Way Streaming	Server wss.//est1.flashphoner.com.8443	
Firewall Streaming WebRTC as RTMP	Tech <sup>1</sup> ⊮ WebRTC 1 ⊮ Flash	
Stream Recording	i ⊘ MSE 1 ⊘ WSPlayer	
Stream Diagnostic	P 4 C3 Test now	
Screen Sharing Embed Player		
2 Players Media Devices	- در المحمد الله:	
Video Chat Video Chat & Screen	Copy to clipboard	
Conference		

Select "Two-Way Streaming". The corresponding web application opens:

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Streaming Streamer	Two-way	/ Streaming		+
Player Two-Way Streaming	Local	Player		
Firewall Streaming				
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Stream Diagnostic	une/Reald Bashakenes com/04	th Connect		
Screen Sharing	wss.mest.masiiphoner.com.a4	45 Connect		
Embed Player				
2 Players	DOWNLOAD NOW			
Media Devices	Google play			
Video Chat				
Video Chat & Screen				
Conference				

Click the Connect button, then the Publish button to verify stream publishing from a web camera.

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Streaming Streamer		Two-way Stre	aming	N-D-T		-
Player				ijui		
Two-Way Streaming Firewall Streaming						
WebRTC as RTMP						
Stream Recording	<b>by</b>					
Stream Snapshot	45ce	Stop	45ce Pi	ay Available		
Stream Diagnostic	P	JBLISHING				
Screen Sharing		wss://test1.flashphoner.com:8443	Disconnec	t		
Embed Player		ESTABLISHED				
2 Players						
Media Devices	DOW	NLOAD NOW				
Video Chat	So Go	nole play				
Video Chat & Screen						
Conference						

Click Play to check if the stream is played from the server



If all steps were successful, WebCallServer is installed and is ready to work.

## Attachments:

wcs52-simple\_test-login.PNG (image/png)
 wcs52-simple\_test-embed\_player.PNG (image/png)
 simple\_test-two\_way\_streaming.jpg (image/jpeg)
 wcs52-simple\_test-two\_way\_streaming.PNG (image/png)
 wcs52-simple\_test-two\_way\_streaming-publish.PNG (image/png)
 wcs52-simple\_test-two\_way\_streaming-play.PNG (image/png)