

# WCS 5.0 to WCS 5.1 update

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## What's new in WCS 5.1 compared with WCS 5.0

1. Added [SIP calls](#), [streams](#) and [system state](#) basic realtime monitoring, with the ability to view calls and streams history.
2. SIP core rewritten.
3. Added [audio and video streams mixer](#).
4. Added [stream recording on demand](#) (to record mixed stream for example).
5. Added [streams published in chat room recording](#) with record files merging ability.
6. Added [RTMP stream pulling](#).
7. Added REST API methods to manage new functions.

## New version installation with previous version update

To update WCS 5.0 on your server to WCS 5.1, you have to do the following steps:

1. Download WebCallServer installation package from [there](#), for example:

```
wget https://flashphoner.com/downloads/builds/WCS/5.1/FlashphonerWebCallServer-5.1.XXXX.tar.gz
```

2. Unpack the package

```
tar -xvzf FlashphonerWebCallServer-5.1.XXXX.tar.gz
```

3. Stop WCS

```
service webserv stop
```

4. Launch update script

```
cd FlashphonerWebCallServer-5.1.3356/server/tools  
./update.sh
```

The script updates settings files (for example, it merges legacy server.properties file with main settings file [flashphoner.properties](#)) and WCS database:

```
[root@p12 tools]# ./update.sh  
Create backup directory: /usr/local/FlashphonerWebCallServer.bck  
Backup database and conf directory  
Merge config file...  
Convert DB...  
Add operation: show node-setting  
Add operation: show node-settings  
Add operation: update node-setting  
Add operation: grep  
Add operation: save node-settings  
Add operation: reload node-settings  
Added 6 operations  
Added 0 methods  
Database converted. Please start installing Wcs Server 5.1
```

5. Launch WCS 5.1 installation script

```
cd ../../  
./install.sh
```

6. When the installation script finishes, update the service startup information

```
systemctl daemon-reload
```

7. Start WCS

```
service webcallserver start
```

Check how server works by [this instruction](#).

## Another WCS version installation without previous version removing or updating

Sometimes, it is necessary to install more recent or older WCS version without removing or updating the already installed one. This can be done as follows:

1. Stop WCS

```
service webcallserver stop
```

2. Remove symbolic link to WCS directory

```
cd /usr/local  
rm -f FlashphonerWebCallServer
```

3. [Install](#) the desired version and [activate](#) it with your license number.

4. Launch the newly installed WCS version

```
service webcallserver start
```

## Switching between two WCS installations

Suppose there are two versions installed on the server: 5.0.3333 and 5.1.3356. To switch from 5.1.3356 to 5.0.3333 do the following steps:

1. Stop WCS 5.1.3356

```
service webcallserver stop
```

2. Remove symbolic link to WCS directory

```
cd /usr/local  
rm -f FlashphonerWebCallServer
```

3. Make symbolic link to the desired version directory

```
cd /usr/local  
ln -sf FlashphonerWebCallServer-5.0.3333 FlashphonerWebCallServer
```

4. Launch WCS 5.0.3333

```
service webcallserver start
```

Switching back is done same way.

# Known issues

1. update.sh script does not launch.

Symptoms: "Permission denied" message on update.sh launch.

Solution: set permissions to execute update.sh script

```
cd FlashphonerWebCallServer-5.1.3375/server/tools
chmod +x update.sh
./update.sh
```

2. Secure Websocket connections are failed after server update

Symptoms: Two Way Streaming example and other stream publishing and playing examples does not work

Решение: remove the string

```
wss.keystore.file=wss.jks
```

from [flashphoner.properties](#) file and restart WCS

3. When two WCS versions are installed on same server, those instances should not be running simultaneously.

4. When two WCS versions are installed on same server, those installations should use [embedded H2 database](#). If MySQL is used, [a separate database should be created](#) for every WCS version, wcs\_db1 and wcs\_db2 for example.