

WCS update to 5.2

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What's new in WCS 5.2 compared with WCS 5.1

1. WCS manager module is removed, its functions is moved to WCS Core
2. Server startup is significantly accelerated to a few seconds
3. Monitoring functions are moved to dedicated application

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

Updating 5.1 to 5.2 or one 5.2 build to another

To update WCS 5.1 or 5.2 on your server to latest WCS 5.2 build, you have to do the following steps:

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

```
wget https://flashphoner.com/downloads/builds/WCS/5.2/FlashphonerWebCallServer-5.2.XXXX.tar.gz
```

2. Unpack the package

```
tar -xvzf FlashphonerWebCallServer-5.2.XXXX.tar.gz
```

3. Stop WCS

```
sudo systemctl stop webcallserver
```

4. Launch WCS 5.2 installation script

```
cd FlashphonerWebCallServer-5.2.XXXX  
sudo ./install.sh
```

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

```
sudo systemctl daemon-reload
```

6. Start WCS

```
sudo systemctl start webcallserver
```

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

Since build [5.2.574](#), scripts in the /usr/local/FlashphonerWebCallServer/bin folder will not be overwritten to preserve possible tweaks while updating from one 5.2 build to another.

Updating 5.0 to 5.2

Before updating to 5.2, WCS 5.0 should be updated to latest 5.1 by [this manual](#).

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

```
sudo systemctl start webcallserver
```

2. Remove symbolic link to WCS directory

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

3. Install the desired version and activate it with your license number.

4. Launch the newly installed WCS version

```
sudo systemctl start webcallserver
```

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

```
sudo systemctl stop webcallserver
```

2. Remove symbolic link to WCS directory

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

3. Make symbolic link to the desired version directory

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

4. Launch WCS 5.0.3333

```
sudo systemctl start webcallserver
```

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

Solution: 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. WCS cannot start due to permission lack after updating from 5.2 previous build to [5.2.976](#) or newer

Symptoms: WCS is not starting with the following message

```
FlashphonerWebCallServer cannot be started from user flashphoner, please fix the permissions to the folders or
run 'webcallserver set-permissions'!
```

Solution: use the following command

```
sudo /usr/local/FlashphonerWebCallServer/bin/webcallserver set-permissions
```

then restart WCS

5. WCS cannot start due to service parameters changing after updating from 5.2 previous build to [5.2.976](#) or newer

Symptoms: WCS is not starting with the following messages in `/usr/local/FlashphonerWebCallServer/logs/startup.log` file

```
[2021-07-05 09:02:12] INFO checkJavaOptions - Checking JVM options
sudo: unrecognized option '--show-version'
...
[2021-07-05 09:02:12] ERROR checkJavaOptions - FlashphonerWebCallServer can't start due to incorrect java
options
```

Solution: use the following command

```
sudo /usr/local/FlashphonerWebCallServer/bin/webcallserver fix-service
```

then restart WCS