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 significally 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 and the service startup information of the service startup information of

sudo systemctl daemon-reload

6. Start WCS

sudo systemctl start webcallserver

Check how server worksby this instruction.

Since build5.2.574, 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.Installthe 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 from5.1.3356 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
```

fromflashphoner.propertiesfileand restart WCS

- 3. When two WCS versions are installed on same server, those instances should not be runningsimultaneously.
- 4. WCS cannot start due to permission lack after updating from 5.2 previous build to 5.2.976or newer

Symptoms: WCS is not starting with the following message

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 5.2.976or 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