WCS 5.0 to WCS 5.1 update

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 recordingwith 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 webcallserver 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 from5.1.3356 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
```

fromflashphoner.propertiesfileand restart WCS

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

4.When two WCS versions are installed on same server, those installations should useembedded H2 database. If MySQL is used, aseparate database should be createdfor every WCS version,wcs_db1 and wcs_db2 foe example.