

Aloydia Client Application

Instructions: How-To Upgrade



Summary

This article describes how-to upgrade the aloydia software application; a custom client application hosted (on-prem) in the clients local data-center. The aloydia application runs automatically (daily) on one Ubuntu Linux virtual server. Linux command examples are presented below each upgrade instruction description.

Step-By-Step Instructions

1. Start upgrade: Upload (secure copy) the latest aloydia.zip software package to the virtual server.

```
scp /Users/admin/Desktop/aloydia-ay-2_2_8.zip  
admin@ipfvmvof029.mim.ecv.ay.com:/home/admin/
```

2. SSH login to the aloydia virtual server and continue.

```
ssh admin@ipfvmvof029.mim.ecv.ay.com
```

3. Stop the application with a circus control stop. This will “cleanly” stop the aloydia application.

```
circusctl stop
```

4. Backup (tar) the current 'aloydia-2' directory with todays date in the archive name.

```
tar -zcvf aloydia-2-2_2018-11-14.tar.gz /home/admin/aloydia-2/
```

5. Delete the current 'aloydia-2' directory files. Use absolute paths and caution when deleting the files.

```
rm -rf /home/admin/aloydia-2/*
```

6. Move the latest aloydia (.zip) package into the 'aloydia-2' directory.

```
mv /home/admin/aloydia-ay-2_2_8.zip /home/admin/aloydia-2/
```

7. Unzip the latest aloydia (.zip) package.

```
unzip /home/admin/aloydia-2/aloydia-ay-2_2_8.zip
```

8. Enter the existing aloydia virtual environment.

```
workon aloydia
```

9. Run the wrapper.py script with 'program.aloydia' and the 'aloydia-2' path appended afterward.

```
python /home/admin/aloydia-2/wrapper/wrapper.py program.aloydia  
/home/admin/aloydia-2/
```

10. Use the pip tool to install the standard requirements listed in the directories requirements.txt file.

```
pip install -r requirements.txt
```

11. Verify all the pip requirements installed. The pip freeze output will match the requirements.txt list.

```
pip freeze
```

12. Exit the aloydia virtual environment.

```
exit virtualenv
```

13. Start the aloydia application with a circus control start.

```
circusctl start
```

14. Verify the new python processes are now running.

14.1 The aloydia application will start four new python processes.

```
ps aux | grep python
```

15. List the 'aloydia-2' directory contents.

15.1 Verify the symbolic link exists between /home/admin/aloydia-2/wrapper/ and the /stor/projects/ directories.

15.2 List the /stor/projects/ directory. Verify the files match the /home/admin/aloydia-2/wrapper/ directory.

```
ls -la /home/admin/aloydia-2/
```

```
ls -la /stor/projects/
```

16. Upgrade complete. Review conclusion.

Conclusion

- Continue daily monitoring the front-end aloydia dashboard logs/metrics.
- Continue daily monitoring the aloydia specific (mysql) database table rows.
- Comment, update, and close any agile ticket(s) open for the upgrade task.
- Note any upgrade issues in the (shared) aloydia application document space.

