**Alouette Explorer App Installation Guide**

This document details the installation procedure for the Alouette explorer app. The app requires Python 3.

**Production installation**

Clone the repo from the shared documents in the M://transfer drive (temporary, due to issues with gccode).

M:\Transfer\HLiu

Install python 3.7:

* sudo apt-get install software-properties-common
* sudo add-apt-repository ppa:deadsnakes/ppa
* sudo apt-get update
* sudo apt-get install python3.7

Set python 3.7 as the default python3 interpreter (in case other versions were installed previously):

* sudo update-alternatives --install /usr/bin/python3 python3 /usr/bin/python3.7 1

Check the version of python3. It should be on version 3.7.6:

* python3 -V

Install venv:

* sudo apt-get install python3-venv

Make a python 3 virtual environment and activate it:

* python3 -m venv --without-pip PATH\_TO\_APP\_FOLDER/alouette\_app/alouette\_venv
* source PATH\_TO\_APP\_FOLDER/alouette\_app/alouette\_venv/bin/activate

Install the required packages:

* cd alouette\_app
* pip install –r requirements.txt

Set environment variable for the ionogram images:

* IONOGRAM\_PATH='/storage\_slow/ftp\_root/users/OpenData\_DonneesOuvertes/pub/AlouetteData/Alouette Data'
* export IONOGRAM\_PATH
* source /etc/bash.bashrc

Run the app:

* python3 app.py

By default the Alouette app will be running at the following port. To change the configured port, modify the last line of code in app.py

* app.run\_server(debug=False, host='0.0.0.0', port=8888)

<http://localhost:8050/>