Installation Guide for Raspberry Pi OS - To be used for JetAdvice Edge Release Candidate

Recommended Hardware Requirements
- [Raspberry Pi 3 Model B+](#) or better
- [5vDC 2.5A USB power supply](#)
- [16GB Class 10 micro SDcard (Kingston or Sandisk)](#)
- [Case (with heatsinks)](#)

The Raspberry Pi uses an SD Card for its data storage. Whilst the connector software has been designed to keep "Disk" IO to a minimum, eventually, the SD card will fail. For a site that has 1000 devices with standard collection and discovery schedules, the expected life of the SD card is between 18-24 months.

Supported Versions
JetAdvice Edge connector is only supported on 32 bit RPi2, RPi3, RPi4 running Raspbian (Jessie, Stretch and Buster) It will also run on 64 bit Debian 10 and Ubuntu 20 (Contact Support for linux-x64 installer)

Download the following [32 bit Raspberry Pi OS](#) (Previously Raspbian) from the Raspberry Pi Website
Follow the instructions [here](#) to burn the downloaded image to an SD Card

Note:
All models of generation 1 and Pi Zero are not supported because the .Net Core JIT depends upon armv7 instruction set that is not available in these versions.

The new (May 2020) 8GB 64-bit version of the Raspberry Pi is currently not supported.

Prerequisites
The JetAdvice Edge connector is supplied as a self-contained .NET Core package. The default installation of the Raspberry PI OS should already contain everything the self-contained Edge packages require to run.

NB! Remember to connect the PC screen to Raspberry Pi before powering it up.

Install JetAdvice Edge Connector Release Candidate
Using terminal run the following commands:
1. Download JetAdvice Edge from [Linux Installer (arm)](#)
   - cd /home/pi/Downloads
   - wget https://app.jetadvice.com/install/edge/jetadvice-edge-linux-arm.tar

2. Create a folder to unpack the download into:
   - sudo mkdir /home/pi/edgeinstaller
3. Unpack the download:
   - sudo tar -xvf /home/pi/Downloads/jetadvice-edge-linux-arm.tar -C /home/pi/edgeinstaller
4. Go to edgeinstaller folder
   - cd /home/pi/edgeinstaller
5. Grant the Installer execute permissions:
   - sudo chmod +x Installer
6. Run the installer with the install switch:
   - sudo ./Installer install

Services

Start the following services
7. JetAdvice-Edge:
   - sudo systemctl start JetAdvice-Edge.service
8. JetAdvice-Updater:
   - sudo systemctl start JetAdvice-Updater.service
9. JetAdvice-Edge-Ui:
   - sudo systemctl start JetAdvice-Edge-UI.service

Stop and check the JetAdvice Edge services

- sudo systemctl stop JetAdvice-Edge-UI.service

- Check the status of your service
  - systemctl status JetAdvice-Edge.service

Use a web browser to access http://localhost:33322

Uninstall JetAdvice Edge connector

- From the folder that contains the Installer (**/home/pi/edgeinstaller**)
- Use the terminal to run the installer with the uninstall switch
  - sudo ./Installer uninstall

Notes

- Setting and log files are stored under **/usr/share/JetAdvice/Edge**
- Binaries are stored under **/usr/bin/JetAdvice/Edge**
- JetAdvice Edge and JetAdvice Data Collector cannot be used at the same time. Doing so might cause data integrity issues. Please stop all JetAdvice Data Collectors on the account, before installing JetAdvice Edge.