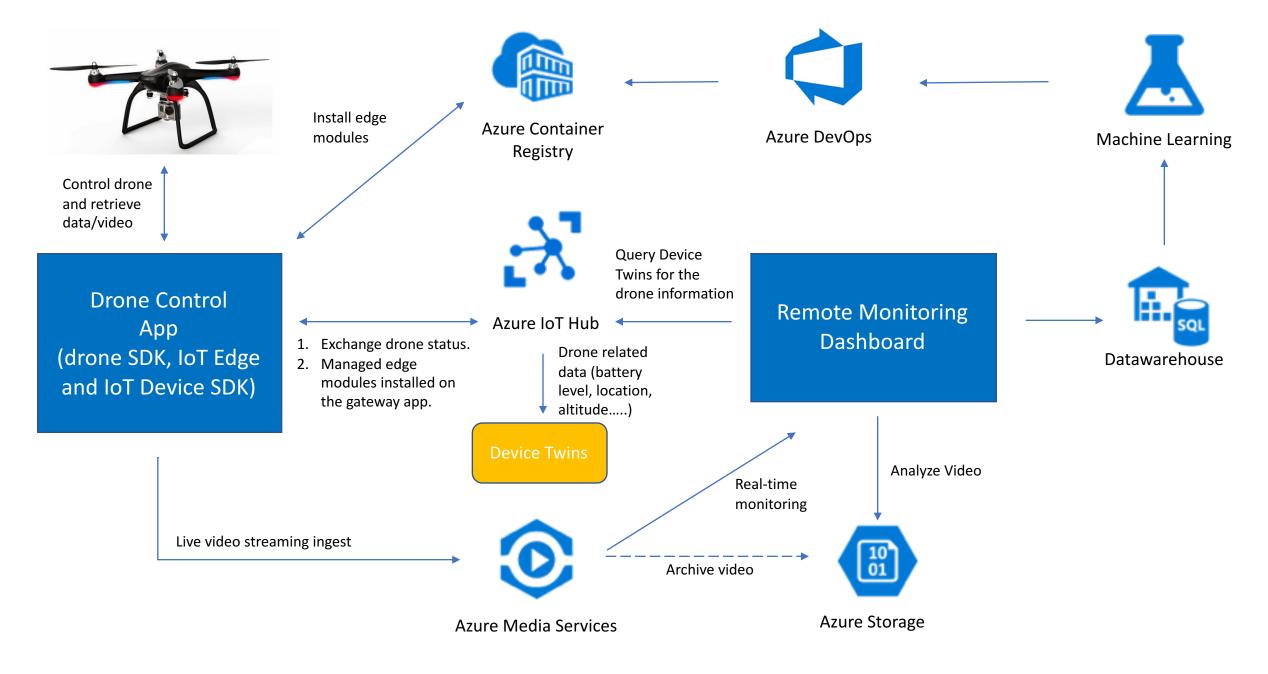
### Remote Drone Control Project

#### Scenarios

- Air Traffic Control
  - Remote monitor drone's status
  - Remote control the drone
- Flight Route Automation
  - ML on Edge
- Flight Video Logs
  - Remote video streaming and recording



## Remote monitoring and control drones

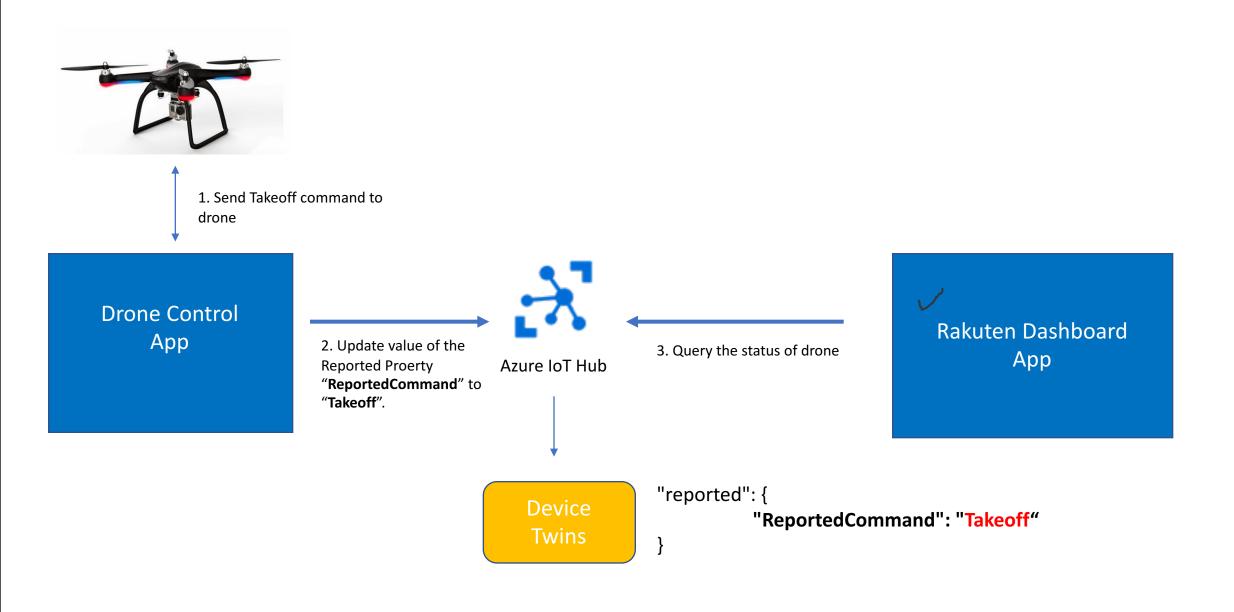
#### Common Drone Control App

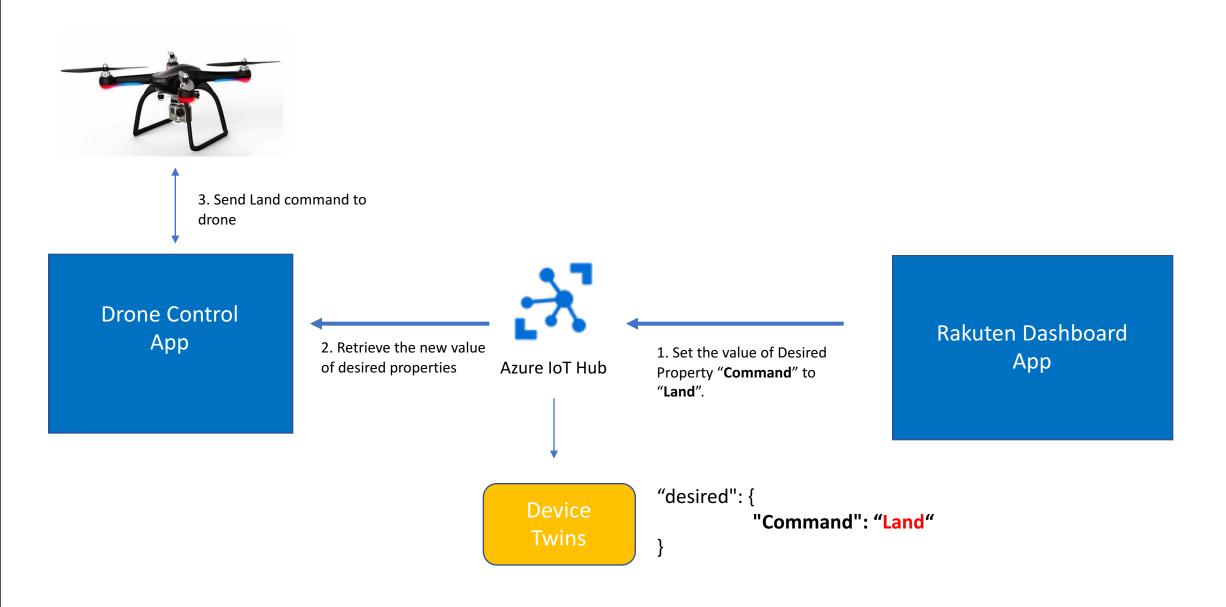
- Using drone vender's SDK
  - Collect data from drone
  - Send command to drone
  - Video streaming
- Connect to drone via WIFI
  - UDP protocol
  - Long distance radio frequency
  - 5G
- Azure IoT Device SDK
- Azure IoT Edge



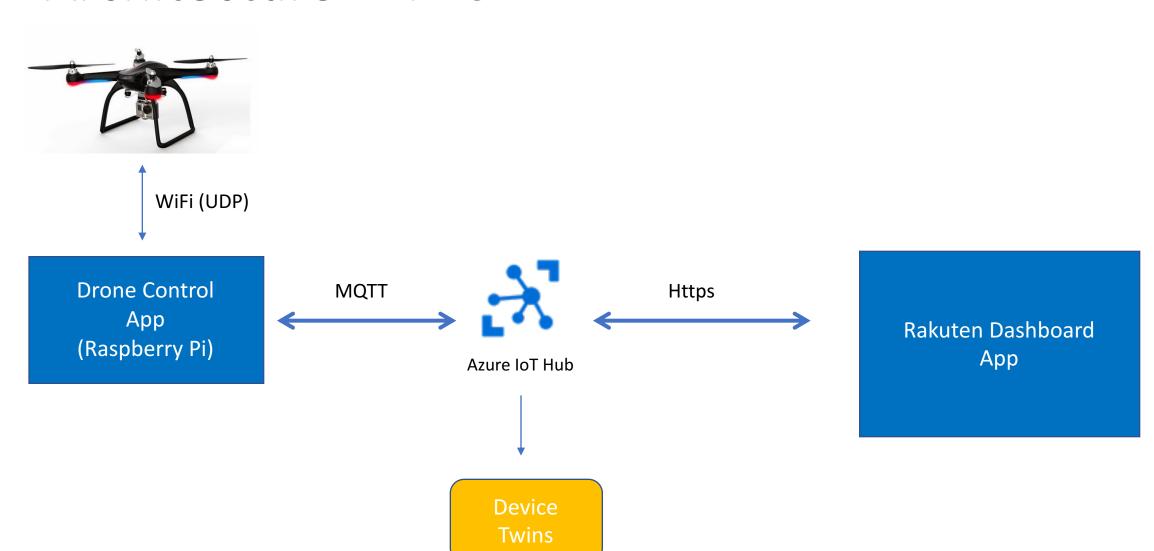
Control drone and retrieve data/video

Drone Control
App
(drone SDK, IoT Edge
and IoT Device SDK)



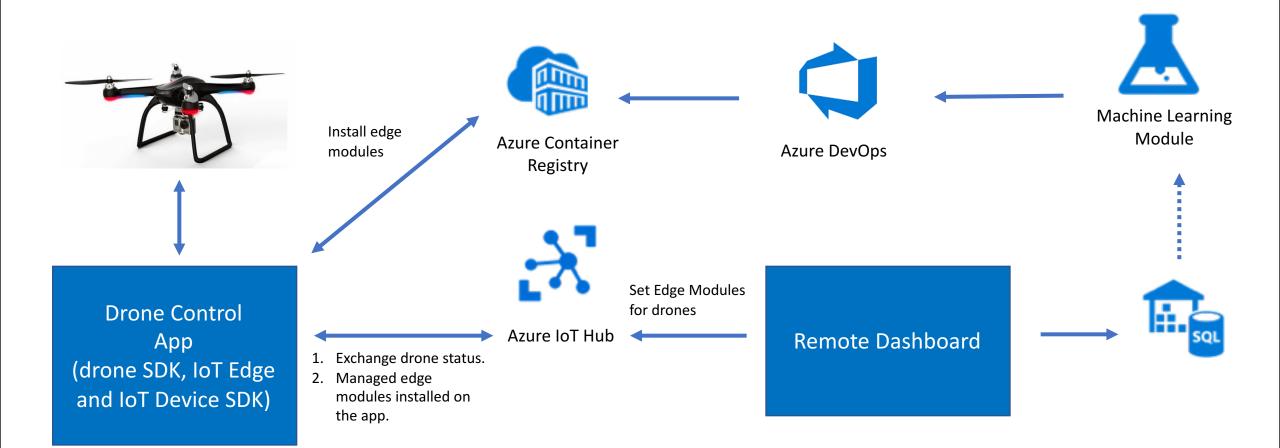


#### Architecture -- TBC



ML on Edge (Drone App)

#### ML on Edge



# Remote video streaming and recording

#### Realtime video streaming

