

# Redhawk JICD

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# Long-term goals

- ▶ Add domain-awareness into the Redhawk-codegen
  - ▶ Option for JICD in the IDE
  - ▶ Add request/reply for domain-awareness information
- ▶ Incorporate REDHAWK into AppGEO
  - ▶ Display device status in the Developer GUI
  - ▶ Request and receive a snapshot from a device
  - ▶ Tune a device from the Developer GUI

# Last Time

- ▶ Add domain-awareness into the Redhawk-codegen
  - ▶ **Create basic code for domain-awareness component**
    - ▶ Java, Python, C++
  - ▶ **Add code to code generators**
    - ▶ Java, Python, C++
  - ▶ **Add request/reply for domain-awareness information**
    - ▶ Add all reply information
- ▶ Option for JICD in the IDE

# Progress

- ▶ Incorporate REDHAWK into AppGEO
  - ▶ Display device status in the Developer GUI
  - ▶ Request and receive a snapshot from a device
    - ▶ Create an archiver
    - ▶ Understand request and response interface
    - ▶ Allocate and deallocate a device
    - ▶ Create functions for sending and receiving requests from the archiver

# Next Steps

- ▶ Display PSD and audio streams
- ▶ Tuning a device
- ▶ Dynamically add devices once they are launched in REDHAWK

Demo