

Data model

Driver

Image — base64string

Video — bytes

Audio — bytes

Radio CSI — json of arrays, where each item is an CSI record.

Tabular — json of arrays, where each item is a row.

Scalar value — double

Operators

The operators communicate with each other through msgs. The basic data structure in Peekaboo is called Peekaboo items. All the peekaboo items are stored as an array in msg.payload.

msg.payload = [pkb_item1, pkb_item2, pkb_item3, ...]

```
pkb_item = {  
  "datatype": "image|video|audio|radio|scalar",  
  "contenttype": "raw",  
  "data": {},  
  "inference": [{...} | {...} | {...}],  
  "process": { deviceinfo, debuginfo}  
}
```

Example 1:

Network design

Driver

WebSocket

Driver is often the server, while the operator is the client. The operator often only subscribes to one driver, while the driver may offer data to many operators.