ROCK SEVEN
LOCATION COMMUNICATION

aws

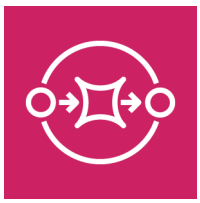
Does *your* Iridium partner 'get' Cloud?

When a low speed satellite messaging service meets modern application design, world's collide.

Your software engineers work with amazing scalable serverless technologies - queues, lambda functions and orchestrated containers. Nobody wants to deal with TCP sockets, byte-arrays and proprietary protocols - **that should be part of the value that your partner adds**, so that you can focus on what makes your IoT application unique.

Rock 7 are the only Iridium Service Provider who will deliver your SBD data directly to and from your own Amazon SQS queues. We provide a **CloudFormation** stack which creates your queues and takes care of cross-account permissions.

Messages from your field application are posted to your `Rock7_MO` queue as an elegant JSON object, which looks like this →



```
{
  "deviceIdentifier": "300234067440860",
  "id": "6vEtxUUXSkSZrypH4GqXCQ",
  "payloadHex": "06154c504e5afd4ad708",
  "timeOfDelivery": "2019-10-28T12:20:10.176Z",
  "vehicle": "IRIDIUM",
  "vehicleMeta": {
    "cdrReference": 575211628,
    "cepRadius": 6,
    "latitude": -27.48612,
    "longitude": 153.23568,
    "momsn": 4813,
    "mtmsn": 0,
    "sessionStatus": "SBD_SESSION_SUCCESSFUL",
    "timeOfSession": "2019-10-28T12:20:09Z",
    "type": "Iridium"
  },
  "version": 1
}
```

Sending a message to your device is as simple as posting some simple JSON to your `Rock7_MT` queue →

```
{
  "id": "your-own-id-goes-here",
  "imei": "123412341234123",
  "payloadHex": "ff00ff00ff",
  "vehicle": "IRIDIUM",
  "version": 1
}
```

And the feedback appears asynchronously in your `Rock7_MT_Confirm` queue: →

```
{
  "id": "your-own-id-goes-here",
  "timeOfSubmission": "2019-10-29T15:01:53.294Z",
  "vehicle": "IRIDIUM",
  "vehicleMeta": {
    "mtMessageStatus": 1
  },
  "result": "DELIVERED_TO_NETWORK",
  "version": 1
}
```

Ok, we mis-spoke, you may need to mangle byte arrays to make the most of SBD, but we can offer some help with that. We're really good at squeezing data into a small space.

cloudloop

And, our CloudLoop platform offers **API-first** contract management, usage and billing, with slick, modern interfaces. As a tier-1 Iridium Partner we offer the most competitive plans anywhere.

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