DATA PLANE

API

```
/api/ingest/:applicationId/:networkId
```

Incoming Data
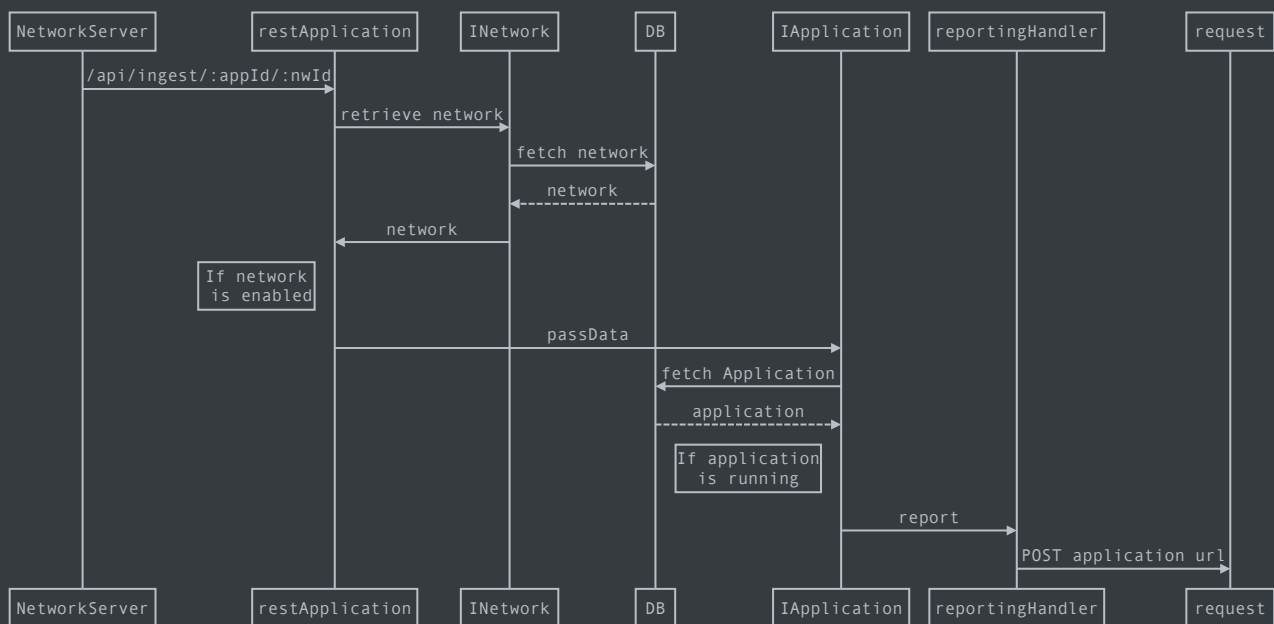
```
    {
      applicationID: 'string',
      applicationName: 'string',
      deviceName: 'string',
      devEUI: 'string, base64',
      rxInfo:[
      {
          gatewayID: 'string, base64',
          name: 'string',
          time: 'string, time-ISO',
          rssi: 'number',
          loRaSNR: 'number',
          location:{
              latitude: 'number',
              longitude: 'number',
              altitude: 'number'
           }
      }],
      txInfo:{
          frequency: 'number',
          dr: 'number'
      },
      adr: 'boolean',
      fCnt: 'number',
      fPort: 'number',
      data:'string, base64 e.g.
    eyJXRCI6ICJOVyIsICJIIjogIjAiLCAidGltZSI6IC...',
      }
```

Proposed New Flow

I think that the incoming data is sufficient for the application's purpose. Therefore, in order to minimize the DB lookups, I would say only pull in the network and the application.

The purpose of the network is to see if it is enabled or not. If not, the data is dropped The purpose of the application is 1 To find out if the application is running (if no drop data) 2 To find out the integration information

Proposed Flow

Current Flow

Current Post Data

```
{
  applicationID: 'string',
  applicationName: 'string',
  deviceName: 'string',
  devEUI: 'string, base64',
  rxInfo:[
  {
      gatewayID: 'string, base64',
      name: 'string',
      time: 'string, time-ISO',
      rssi: 'number',
      loRaSNR: 'number',
      location:{
          latitude: 'number',
          longitude: 'number',
          altitude: 'number'
        }
  }],
  txInfo:{
```

```
        frequency: 'number',
        dr: 'number'
    },
    adr: 'boolean',
    fCnt: 'number',
    fPort: 'number',
    data:'string, base64 e.g.
eyJXRCI6ICJOVyIsICJIIjogIjAiLCAidGltZSI6IC...',
    deviceInfo: {
        name: 'string',
        description: 'string',
        model: 'string'
    },
    applicationInfo: {
        name: 'string'
    },
    networkInfo: {
        name: 'string'
    }
  }
```