

```
{
  "name": "as.up.data.forward",
  "time": "2024-09-27T11:01:46.524679415Z",
  "identifiers": [
    {
      "device_ids": {
        "device_id": "kwiksdevice",
        "application_ids": {
          "application_id": "kwiksapp"
        },
        "dev_eui": "0004A30B0020784D",
        "join_eui": "0303030303030303",
        "dev_addr": "260BBDA4"
      }
    }
  ],
  "data": {
    "@type": "type.googleapis.com/ttn.lorawan.v3.ApplicationUp",
    "end_device_ids": {
      "device_id": "kwiksdevice",
      "application_ids": {
        "application_id": "kwiksapp"
      },
      "dev_eui": "0004A30B0020784D",
      "join_eui": "0303030303030303",
      "dev_addr": "260BBDA4"
    },
    "correlation_ids": [
      "gs:uplink:01J8SJ9PPCNJ0ZF8TF439SR1GS"
    ],
    "received_at": "2024-09-27T11:01:46.521777256Z",
    "uplink_message": {
      "session_key_id": "AZIzGx0b4LKl8oA110x66w==",
      "f_port": 1,
      "frm_payload": "Zg==",
      "rx_metadata": [
        {
          "gateway_ids": {
            "gateway_id": "hhs-hboict-nse-delft",
            "eui": "C0EE40FFFF294119"
          },
          "time": "2024-09-27T11:01:46.291042089Z",
          "timestamp": 860786716,
          "rssi": -69,
          "channel_rssi": -69,
          "snr": 6.25,
          "location": {
            "latitude": 52.0019449227654,
            "longitude": 4.3672296126473675,
            "altitude": 8,
            "source": "SOURCE_REGISTRY"
          }
        }
      ],
    },
  },
}
```

2 / 3

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"context": {  
  "tenant-id": "CgN0dG4=",  
},  
"visibility": {  
  "rights": [  
    "RIGHT_APPLICATION_TRAFFIC_READ"  
  ]  
},  
"unique_id": "01J8SJ9PWWG2KFJ8VC617QTQJW"  
}
```

```
sys get ver  
RN2483 1.0.5 Oct 31 2018 15:06:52  
mac set appeui 0303030303030303  
ok  
mac get appeui  
0303030303030303  
mac set appkey E05C89370B4CD40D96537FB9725457D2  
ok  
mac save  
ok  
mac join otaa  
ok  
accepted  
mac tx cnf 1 0x66  
invalid_param  
mac tx cnf 1 66  
ok  
mac_tx_ok
```