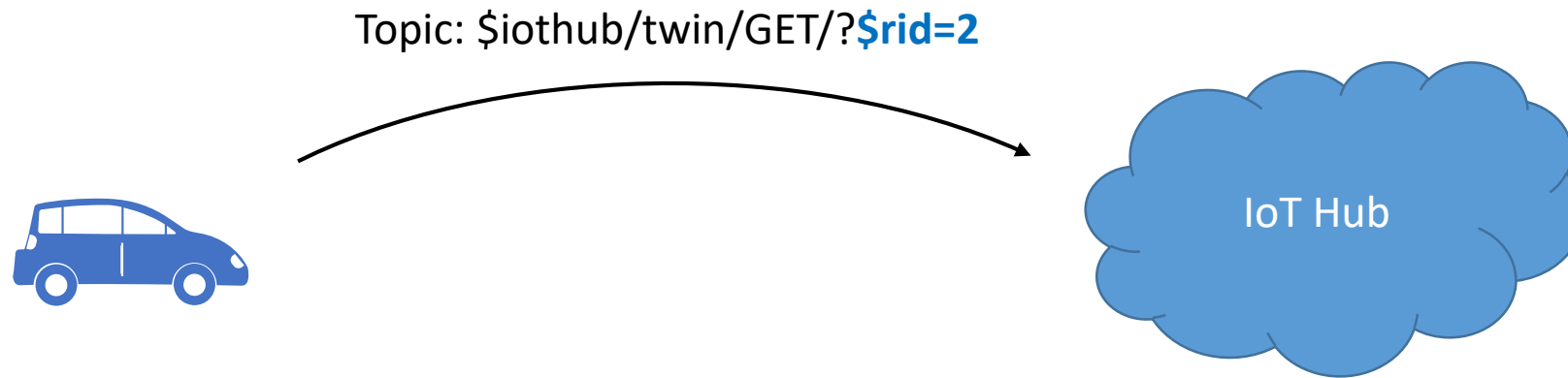


Migration from Azure IoT Hub to AWS IoT Core

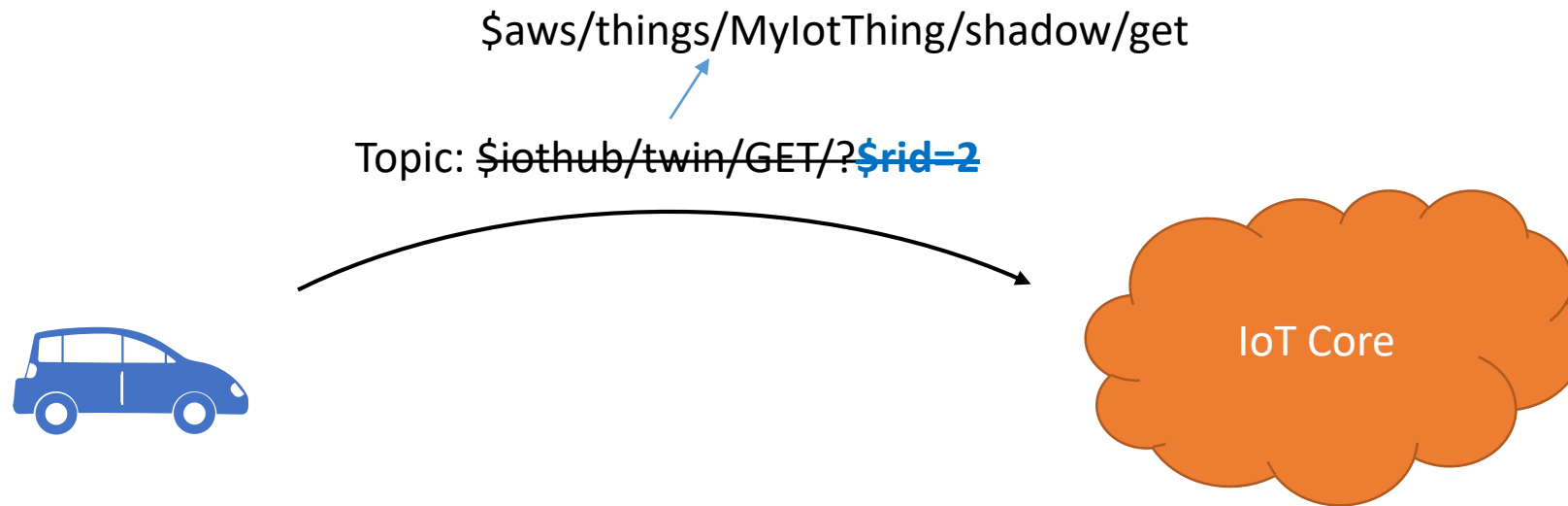
Outline

- Get device state
- Update device state from device
- Update device state from Cloud
- Direct method

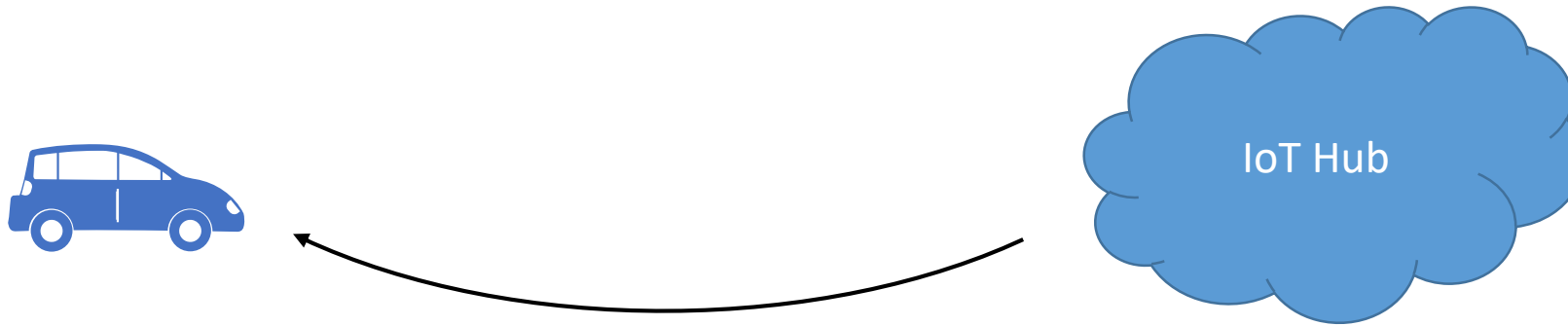
Request of get device state in Azure IoT Hub



Request of get device state in AWS IoT Core



Response of get device state in Azure IoT Hub

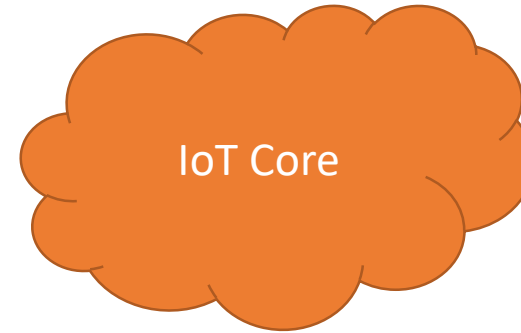


Topic: \$iothub/twin/res/**200**/?\$rid=2

Payload:

```
{
  "reported": {
    "lastOilChangeDate": "2016",
    "maker": {
      "makerName": "Fabrikam",
      "style": "sedan",
      "year": 2014
    },
    "state": {
      "reported_maxSpeed": 100,
      "softwareVersion": 1,
      "vanityPlate": "1I1"
    },
    "$version": 7
  }
}
```

Response of get device state in AWS IoT Core



Topic: `$iothub/twin/res/200/?$rid=2`

Payload:

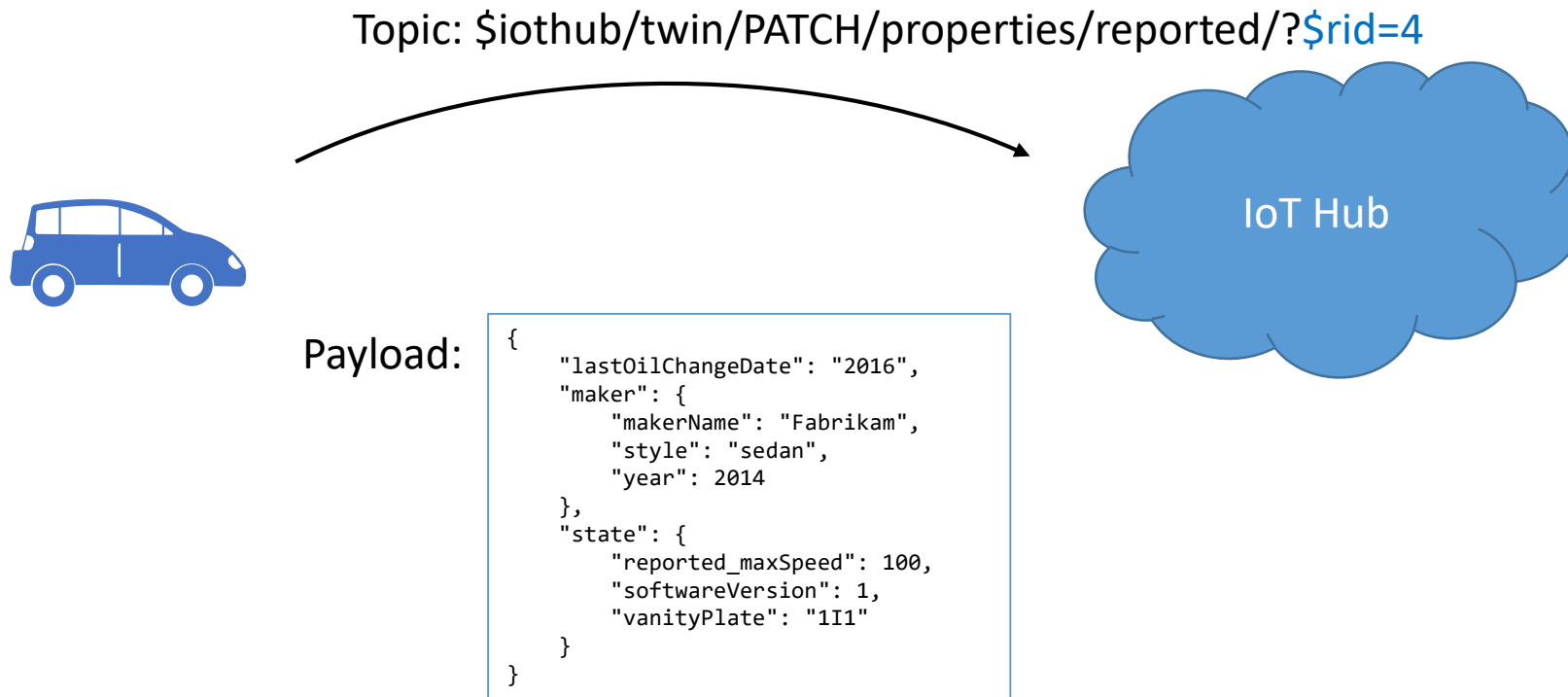
```
{
  "state": {
    "reported": {
      "lastOilChangeDate": "2016",
      "maker": {
        "makerName": "Fabrikam",
        "style": "sedan",
        "year": 2014
      }
    },
    "state": {
      "reported_maxSpeed": 100,
      "softwareVersion": 1,
      "vanityPlate": "1I11"
    }
  },
  "metadata": {
    .....
  },
  "version": 7,
  "timestamp": 1592957061
}
```

`$aws/things/MyIotThing/shadow/get/accepted`

Outline

- Get device state
- Update device state from device
- Update device state from Cloud
- Direct method

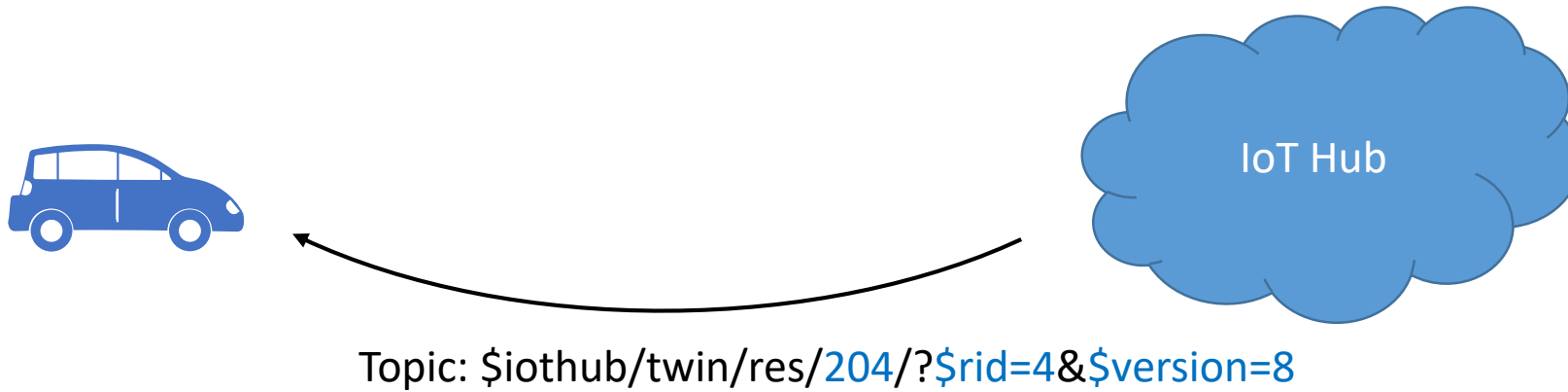
Request of update device state in Azure IoT Hub



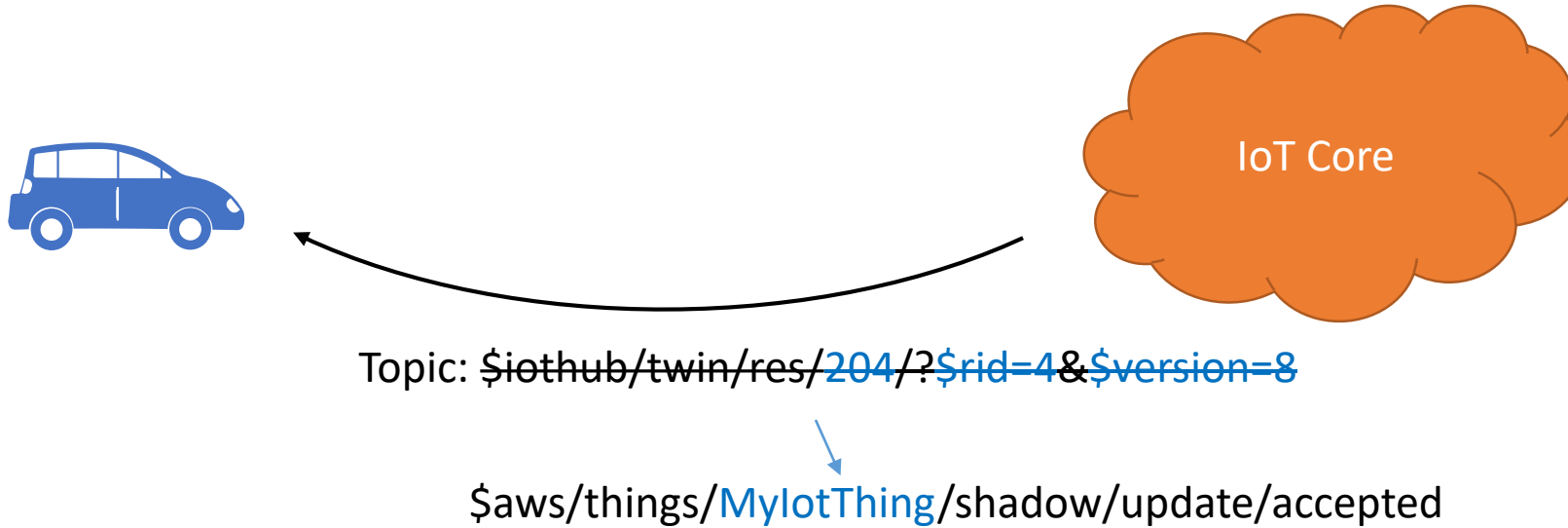
Request of update device state in AWS IoT Core



Response of update device state in Azure IoT Hub



Response of update device state in AWS IoT Core



Outline

- Get device state
- Update device state from device
- Update device state from Cloud
- Direct method

update device state from Azure IoT Hub

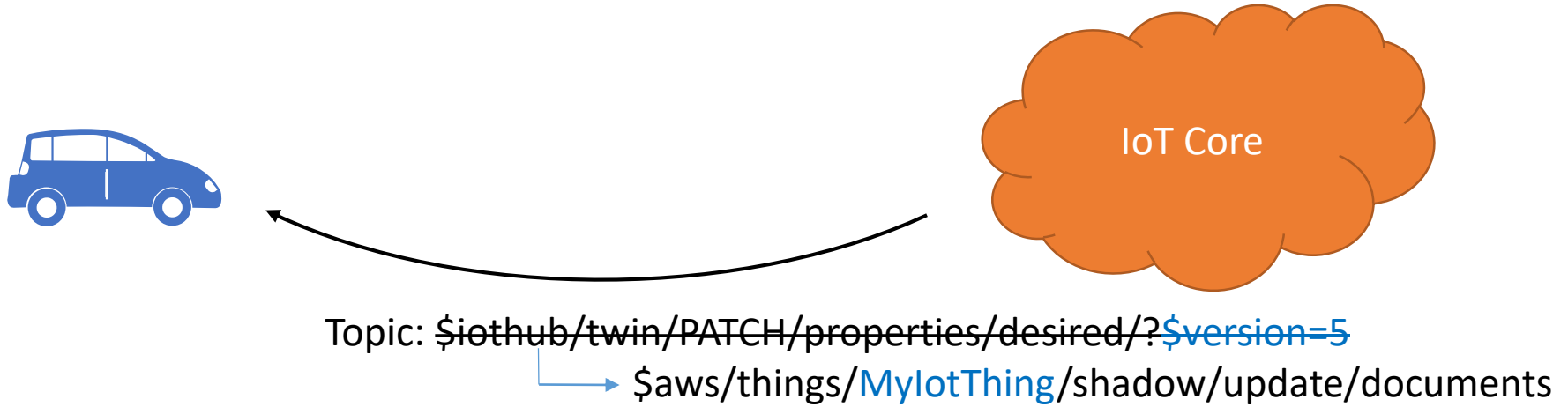


Topic: `$/iothub/twin/PATCH/properties/desired/?$version=5`

Payload:

```
{
  "settings": {
    "desired_maxSpeed": 110
  },
  "$version": 5
}
```

update device state from AWS IoT Core



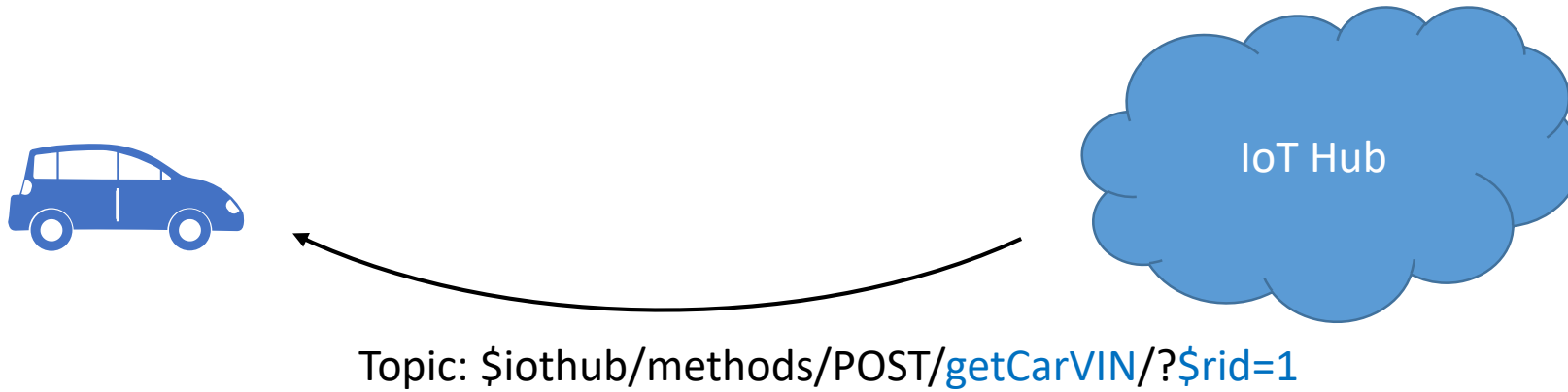
Payload:

```
{
  "previous": {
    .....
  },
  "current": {
    "state": {
      "desired": {
        "settings": {
          "desired_maxSpeed": 120
        }
      },
      "reported": {
        .....
      }
    },
    "metadata": {
      .....
    },
    "version": 5
  },
  "timestamp": 1592926795
}
```

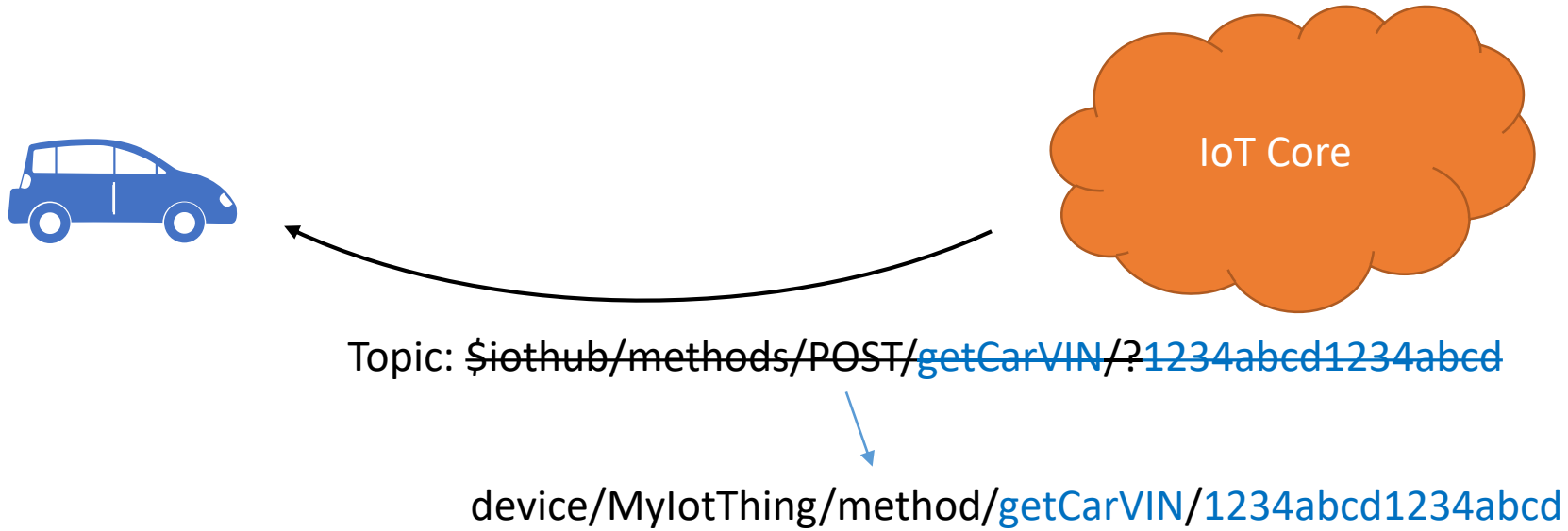
Outline

- Get device state
- Update device state from device
- Update device state from Cloud
- **Direct method**

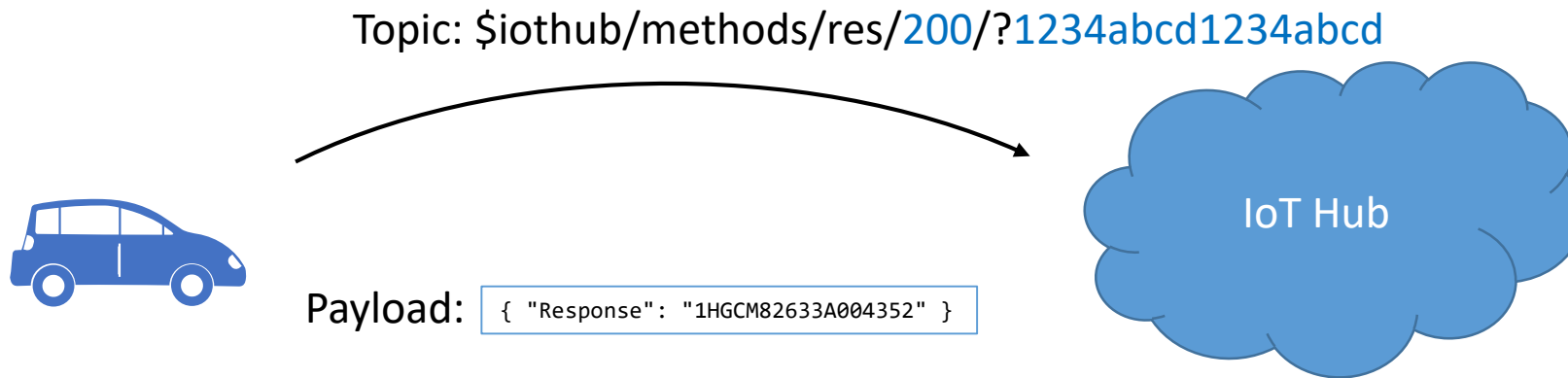
Request of direct method in Azure IoT Hub



Request of direct method in AWS IoT Core



Response of direct method in Azure IoT Hub



Response of direct method in AWS IoT Core

