

Azure cloud Services

- **Region – Central India**

- ❖ **Cloud Services**

- 1) IoT Hubs
 - 2) Eventhub
 - 3) Storage Accounts
 - 4) Stream Analytics Job

1) IoT HUBS

a. CarParking-T1

- **Devices**

- 1. PLC1500 (**Current gateway device**)
 - 2. Samsanplc
 - 3. K100

b. WP-STAGING-2

- **Devices**

- 1. WP-STAGING-Device01
 - 2. WP-STAGING-Device02
 - 3. WP-STAGING-Device03

2) Eventhub

- **Eventhub namespace** - eventhub181124

- 1. **Eventhub** – eventhub3 (For CarParking-T1)

- ❖ **Consumer groups**

- backend – for the backend(CarParking-T1)
 - pt1-streamjob – for the stream analytics job of CarParking-T2
 - wp-staging – for the stream analytics job of wp-staging

- 2. **Eventhub** – eventhub4 (For WP-STAGING-2)

- ❖ **Consumer groups**

- Webapp-backend – for backend (WP-STAGING-2)
 - Wp-stream – for stream analytics job

3) Storage Accounts

- **Storage account – iotplccarparking**
- **Containers**
 1. **c2d-api-carparking** – To store the incoming mobile/web requests of CarParking-T1 IoT HUB
 2. **c2d-api-wpstaging** - To store the incoming mobile/web requests of WP-STAGING-2 IoT HUB
 3. **d2c-carparking-t1** – To store the PLC logs, the messages going from PLC to cloud of CarParking-T1 IoT HUB
 4. **d2c-wp-staging-2** - To store the PLC logs, the messages going from PLC to cloud of WP-STAGING-2 IoT HUB
 5. **message-route-carparking-t1** – To store the encoded messages in azure blob storage via iot hub message route (d2c)
 6. **message-route-wpstaging** - To store the encoded messages in azure blob storage via iot hub message route (d2c)
 7. **written-to-plc-requests** – To store the written to plc requests from gateway device

4) Stream Analytics Job

1. **PT1-streamjob** – To store d2c messages in in storage blob from IOT HUB named CarParking-T1
2. **Wp-staging-streamjob** - To store d2c messages in in storage blob from IOT HUB named WP-STAGING-2

