**EDGE SERVER TOPICS**

**Publishes to following topics:**

|  |  |  |
| --- | --- | --- |
| **SNO** | **TOPIC pattern** | **TOPIC Example** |
| 1 | device/**<device\_id>**/**REGISTER\_ACK** | device/LIGHT\_0/REGISTER\_ACK |
| 2 | device**/<device\_id>/STATUS** | device/ LIGHT\_0/STATUS |
| 3 | device**/<room\_type>/**STATUS | device/ KITCHEN/STATUS, device/BR1/STATUS |
| 4 | device**/<device\_type>/**STATUS | device/ LIGHT/STATUS , device/AC/STATUS |
| 5 | device/**ALL**/STATUS | device/**ALL**/STATUS |
| 6 | device**/<device\_id>/SWITCH** | device/ LIGHT\_0/SWITCH |
| 7 | device**/<room\_type>/**SWITCH | device/KITCHEN/SWITCH, device/BR1/SWITCH |
| 8 | device**/<<device\_type>/**SWITCH | device/ LIGHT/SWITCH , device/AC/SWITCH |
| 9 | device/**ALL**/SWITCH | device/**ALL**/SWITCH |
| 10 | device**/<device\_id>/LIGHTINTENSITY** | device/LIGHT\_0/LIGHTINTENSITY |
| 11 | device**/<room\_type>/**LIGHTINTENSITY | device/KITCHEN/LIGHTINTENSITY |
| 12 | device**/<<device\_type>/**LIGHTINTENSITY | device/LIGHT/LIGHTINTENSITY |
| 13 | device/**ALL**/LIGHTINTENSITY | device/**ALL**/LIGHTINTENSITY |
| 14 | device**/<device\_id>/TEMPERATURE** | device/AC\_0/TEMPERATURE |
| 15 | device**/<room\_type>/**TEMPERATURE | device/KITCHEN/TEMPERATURE |
| 16 | device**/<<device\_type>/**TEMPERATURE | device/AC/TEMPERATURE |
| 17 | device/**ALL**/TEMPERATURE | device/**ALL**/TEMPERATURE |

**Subscribes to:**

|  |  |  |
| --- | --- | --- |
| **SNO** | **TOPIC** | **Description** |
| **1** | **device/REGISTER** | Registers a device when devices publish on this topic |
| **2** | **device/ACKSTATUS** | Edge server knows that a device has sent its status when devices publish on this topic |
| **3** | **device/ACKSWITCH** | Edge server knows that SWITCH ON/OFF command was received and acted upon by a device successfully or unsuccessfully when devices publish on this topic |
| **4** | **device/ACKLIGHTINTENSITY** | Edge server knows that LIGHTINTENSITYcommand was received and acted upon by a LIGHT device successfully or unsuccessfully when devices publish on this topic |
| **5** | **device/ACKTEMPERATURE** | Edge server knows that TEMPERATUREcommand was received and acted upon by an AC device successfully or unsuccessfully when devices publish on this topic |

**Note** : REGISTER\_ACK topics are created per device id otherwise all devices were listening to each other’s registration acknowledgment by edge server

**LIGHT DEVICE TOPICS**

**Publishes to following topics**

|  |  |  |
| --- | --- | --- |
| **SNO** | **TOPIC** | **Description** |
| **1** | **device/REGISTER** | Publish to edge server to register a light device |
| **2** | **device/ACKSTATUS** | Publish to edge server acknowledging to provide consolidated status of a particular device |
| **3** | **device/ACKSWITCH** | Publish to edge server acknowledging to SWITCH ON/OFF telling whether switch was successful or not |
| **4** | **device/ACKLIGHTINTENSITY** | Publish to edge server acknowledging to change light intensity telling whether light intensity modification was successful or not |

**Subscribes to following topics:**

|  |  |  |
| --- | --- | --- |
| **SNO** | **TOPIC pattern** | **TOPIC Example** |
| 1 | device/**<device\_id>**/**REGISTER\_ACK** | device/LIGHT\_0/REGISTER\_ACK |
| 2 | device**/<device\_id>/STATUS** | device/ LIGHT\_0/STATUS |
| 3 | device**/<room\_type>/**STATUS | device/ KITCHEN/STATUS, device/BR1/STATUS |
| 4 | device**/<device\_type>/**STATUS | device/ LIGHT/STATUS |
| 5 | device/**ALL**/STATUS | device/**ALL**/STATUS |
| 6 | device**/<device\_id>/SWITCH** | device/ LIGHT\_0/SWITCH |
| 7 | device**/<room\_type>/**SWITCH | device/KITCHEN/SWITCH, device/BR1/SWITCH |
| 8 | device**/<<device\_type>/**SWITCH | device/ LIGHT/SWITCH |
| 9 | device/**ALL**/SWITCH | device/**ALL**/SWITCH |
| 10 | device**/<device\_id>/LIGHTINTENSITY** | device/LIGHT\_0/LIGHTINTENSITY |
| 11 | device**/<room\_type>/**LIGHTINTENSITY | device/KITCHEN/LIGHTINTENSITY |
| 12 | device**/<<device\_type>/**LIGHTINTENSITY | device/LIGHT/LIGHTINTENSITY |
| 13 | device/**ALL**/LIGHTINTENSITY | device/**ALL**/LIGHTINTENSITY |

**Note** : REGISTER\_ACK topics are created per device id otherwise all devices were listening to each other’s registration acknowledgment by edge server

**AC DEVICE TOPICS**

**Publishes to following topics**

|  |  |  |
| --- | --- | --- |
| **SNO** | **TOPIC** | **Description** |
| **1** | **device/REGISTER** | Publish to edge server to register a light device |
| **2** | **device/ACKSTATUS** | Publish to edge server acknowledging to provide consolidated status of a particular device |
| **3** | **device/ACKSWITCH** | Publish to edge server acknowledging to SWITCH ON/OFF telling whether switch was successful or not |
| **4** | **device/ACKTEMPERATURE** | Publish to edge server acknowledging to change AC temperature telling whether temperature modification was successful or not |

**Subscribes to following topics:**

|  |  |  |
| --- | --- | --- |
| **SNO** | **TOPIC pattern** | **TOPIC Example** |
| 1 | device/**<device\_id>**/**REGISTER\_ACK** | device/AC\_0/REGISTER\_ACK |
| 2 | device**/<device\_id>/STATUS** | device/AC\_0/STATUS |
| 3 | device**/<room\_type>/**STATUS | device/BR1/STATUS, device/BR2/STATUS |
| 4 | device**/<device\_type>/**STATUS | device/AC/STATUS |
| 5 | device/**ALL**/STATUS | device/**ALL**/STATUS |
| 6 | device**/<device\_id>/SWITCH** | device/AC\_0/SWITCH |
| 7 | device**/<room\_type>/**SWITCH | device/BR1/SWITCH, device/BR2/SWITCH |
| 8 | device**/<<device\_type>/**SWITCH | device/AC/SWITCH |
| 9 | device/**ALL**/SWITCH | device/**ALL**/SWITCH |
| 10 | device**/<device\_id>/TEMPERATURE** | device/AC\_0/TEMPERATURE |
| 11 | device**/<room\_type>/**TEMPERATURE | device/KITCHEN/TEMPERATURE |
| 12 | device**/<<device\_type>/**TEMPERATURE | device/AC/TEMPERATURE |
| 13 | device/**ALL**/TEMPERATURE | device/**ALL**/TEMPERATURE |

**Note** : REGISTER\_ACK topics are created per device id otherwise all devices were listening to each other’s registration acknowledgment by edge server