1. Adding following snippets in “\_check\_for\_lock\_commands(self, payload)” method from file “iot-gateway/src/litenet/generic/python/cloudext/cloudext\_sink\_mqtt\_adapter.py“

elif payload[COMMAND\_KEY] == "set\_keypad\_code":

cmd\_dict["params\_payload"] = {

"keypad\_code": payload[PARAMS\_KEY]["key"]

}

1. Append following JSON in “iot-gateway/conf/generic/cloudext/cloudext\_datatrans.json” at 1. “Lock[State]”

{

"name" : "keypad\_code",

"key" : "0xF0",

"is\_writeable" : true,

"size" : 4,

"type" : "u\_int"

}

2. “Alarm”

{

"name" : "latch-alert",

"key" : "0x30",

"is\_writeable" : false,

"size" : 1,

"type" : "bool"

}

1. For testing create .sh file in “[iot-gateway](https://github.com/litenet-iot/iot-gateway)/[src](https://github.com/litenet-iot/iot-gateway/tree/master/src)/[litenet](https://github.com/litenet-iot/iot-gateway/tree/master/src/litenet)/[generic](https://github.com/litenet-iot/iot-gateway/tree/master/src/litenet/generic)/[python](https://github.com/litenet-iot/iot-gateway/tree/master/src/litenet/generic/python)/[test](https://github.com/litenet-iot/iot-gateway/tree/master/src/litenet/generic/python/test)/[scripts](https://github.com/litenet-iot/iot-gateway/tree/master/src/litenet/generic/python/test/scripts)/[cloudext](https://github.com/litenet-iot/iot-gateway/tree/master/src/litenet/generic/python/test/scripts/cloudext)/**lock**/” with name “set\_keypad\_code.sh”
2. For simulation testing add required snippets in simulations file “iot-gateway/src/litenet/generic/python/test/simulator/cloudext/”