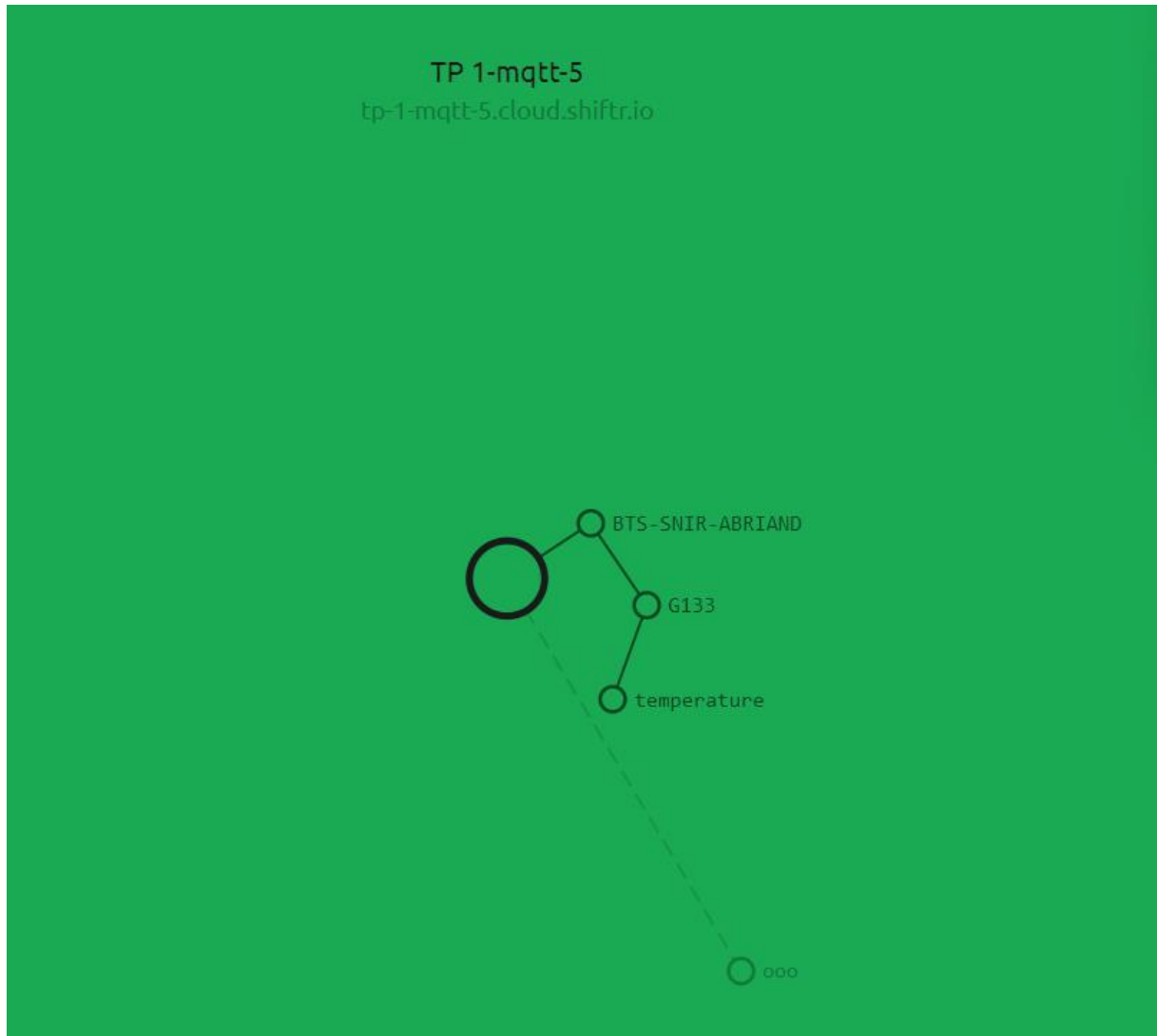
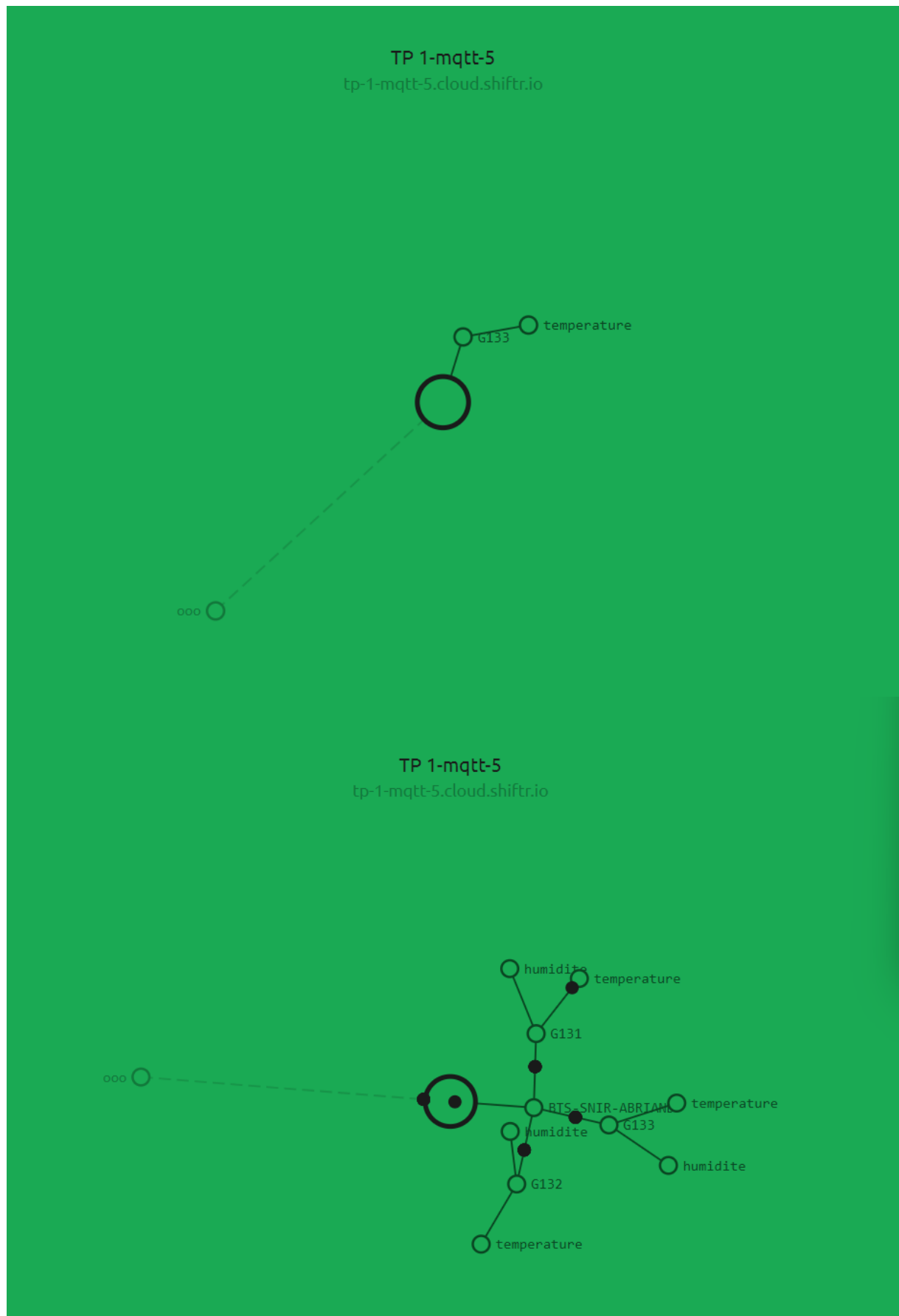


# Tp 1 :

EX 1 :





```

var Thread = Java.type("java.lang.Thread");
var Random = Java.type("java.util.Random");

function execute(action) {
    var random = new Random();

    var salles = ["G131", "G132", "G133"];
    var capteurs = ["temperature", "humidite"];

    var publishThread = new Thread(function() {
        try {
            while (!Thread.currentThread().isInterrupted()) {
                for (var i = 0; i < salles.length; i++) {
                    var salle = salles[i];

                    for (var j = 0; j < capteurs.length; j++) {
                        var capteur = capteurs[j];
                        var valeur;

                        if (capteur === "temperature") {
                            valeur = random.nextDouble() * 10 + 20;
                        } else {
                            valeur = random.nextDouble() * 30;
                        }

                        var topic = "BTS-SNIR-ABRIAND/" + salle + "/" + capteur;

                        try {
                            mqttManager.publish(topic, valeur.toFixed(1));
                            output.print("Publié sur " + topic + " : " + valeur.toFixed(1));
                        } catch (publishError) {
                            output.print("Erreur de publication : " + publishError);
                        }
                    }
                }

                Thread.sleep(1000);
            }
        } catch (error) {
            output.print("Erreur dans le thread de publication : " + error);
        }
    });

    publishThread.start();

    var timer = new Thread(function() {
        try {
            Thread.sleep(300000);
            publishThread.interrupt();
        } catch (timerError) {
            output.print("Erreur dans le timer : " + timerError);
        }
    });
    timer.start();

    action.setExitCode(0);
    action.setResultText("Script de publication démarré.");
    return action;
}

```

EX 3 :

Publish

Subscribe

Scripts

Broker Status

Log

BTS-SNIR-ABRIAND/G133/temperature

Subscribe

Qo...Qo...Qo...Autoscroll

BTS-SNIR-ABRIAND/G133/temperature

34

Dump MessagesMuteUnsubscribe

Topics Collector (0)

ScanStop

BTS-SNIR-ABRIAND/G133/temperature

QoS 0

BTS-SNIR-ABRIAND/G133/temperature

30

QoS 0

BTS-SNIR-ABRIAND/G133/temperature

31

QoS 0

BTS-SNIR-ABRIAND/G133/temperature

32

QoS 0

BTS-SNIR-ABRIAND/G133/temperature

33

QoS 0

BTS-SNIR-ABRIAND/G133/temperature

34

QoS 0

BTS-SNIR-ABRIAND/G133/temperature

34

QoS 0

03-12-2024 22:51:08.82268020

QoS 0

29.2

Payload decoded by

Plain Text Decoder