

NODE-RED PROJECT – Log File

Politecnico di Milano - Internet of Things (2014/2015)

COOJA SIMULATION OUTPUT CONSOLE

TOO SEE THIS, UNCOMMENT ALL THE COMMENTED STATEMENTS IN *makefile*, *SensorNetworkAppC.nc* AND *SensorNetworkC.nc* FILES, BUILD THE APPLICATION E CREATE A NEW SIMULATION ON COOJA. DO NOT TURN ON SERIAL SOCKET (SERVER) ON MOTE 1.

Mote output		
Time	Mote	Message
00:04.332	ID:2	~Edapp booted
00:04.337	ID:2	&~~Edserial on
00:04.478	ID:1	~Edapp booted
00:04.483	ID:1	&~~Edserial on
00:04.995	ID:3	~Edapp booted
00:05.000	ID:3	&~~Edserial on
00:07.489	ID:2	~~Edtemp read: 20
00:07.497	ID:2	~~Edtemp pack tx to sink
00:07.500	ID:2	type t~~Edx: 2
00:07.502	ID:2	id tx: 0
00:07.505	ID:1	~~Edtype rx: 2
00:07.505	ID:2	value tx: 2_b~~Ed0
00:07.506	ID:1	id rx: 0
00:07.506	ID:2	packet tx
00:07.507	ID:2	and ack rx
00:07.510	ID:1	a<~~Edtemp value rx: 20
00:09.237	ID:3	~~Edhum read: 52
00:09.246	ID:3	0~~Edhum pack tx to sink
00:09.249	ID:3	type tx~~Ed: 3
00:09.250	ID:3	id tx: 0
00:09.252	ID:1	~~Edtype rx: 3

NODE-RED DEBUG OUTPUT CONSOLE

info	debug
<p>Wed 22 Jul 2015 06:17:09 PM CEST [debug temperature] temperature : [msg.payload] : (Object) { "id": 0, "value": 20 }</p> <p>Wed 22 Jul 2015 06:17:11 PM CEST [debug humidity] humidity : [msg.payload] : (Object) { "id": 0, "value": 52 }</p> <p>Wed 22 Jul 2015 06:17:11 PM CEST [debug temperature] temperature : [msg.payload] : (Object) { "id": 1, "value": 21 }</p> <p>Wed 22 Jul 2015 06:17:13 PM CEST [debug humidity] humidity : [msg.payload] : (Object) { "id": 1, "value": 52 }</p>	<p>Wed 22 Jul 2015 06:17:13 PM CEST [debug temperature] temperature : [msg.payload] : (Object) { "id": 2, "value": 21 }</p> <p>Wed 22 Jul 2015 06:17:15 PM CEST [debug humidity] humidity : [msg.payload] : (Object) { "id": 2, "value": 52 }</p> <p>Wed 22 Jul 2015 06:17:15 PM CEST [debug temperature] temperature : [msg.payload] : (Object) { "id": 3, "value": 22 }</p> <p>Wed 22 Jul 2015 06:17:17 PM CEST [debug humidity] humidity : [msg.payload] : (Object) { "id": 3, "value": 52 }</p> <p>Wed 22 Jul 2015 06:17:17 PM CEST [debug temperature] temperature : [msg.payload] : (Object) { "id": 4, "value": 22 }</p>

TEMPERATURE AND HUMIDITY FILES

temperature

{

"id":0,

"value":20

}

{

"id":1,

"value":21

}

{

"id":2,

"value":21

}

{

"id":3,

"value":22

}

{

"id":4,

"value":22

}

{

"id":5,

"value":22

}

{

"id":6,

"value":23

}

{

"id":7,

"value":23

}

{

"id":8,

"value":23

}

{

"id":9,

"value":24

}

{

"id":10,

"value":24

}

{

"id":11,

"value":24

}

{

"id":12,

"value":25

}

{

"id":13,

"value":25

}

{

"id":14,

"value":25

}

{

"id":15,

"value":25

}

humidity

{

"id":0,

"value":52

}

{

"id":1,

"value":52

}

{

"id":2,

"value":52

}

{

"id":3,

"value":52

}

{

"id":4,

"value":52

}

{

"id":5,

"value":52

}

{

"id":6,

"value":52

}

{

"id":7,

"value":52

}

{

"id":8,

"value":52

}

{

"id":9,

"value":52

}

{

"id":10,

"value":51

}

{

"id":11,

"value":51

}

{

"id":12,

"value":51

}

{

"id":13,

"value":51

}

{

"id":14,

"value":51

}

{

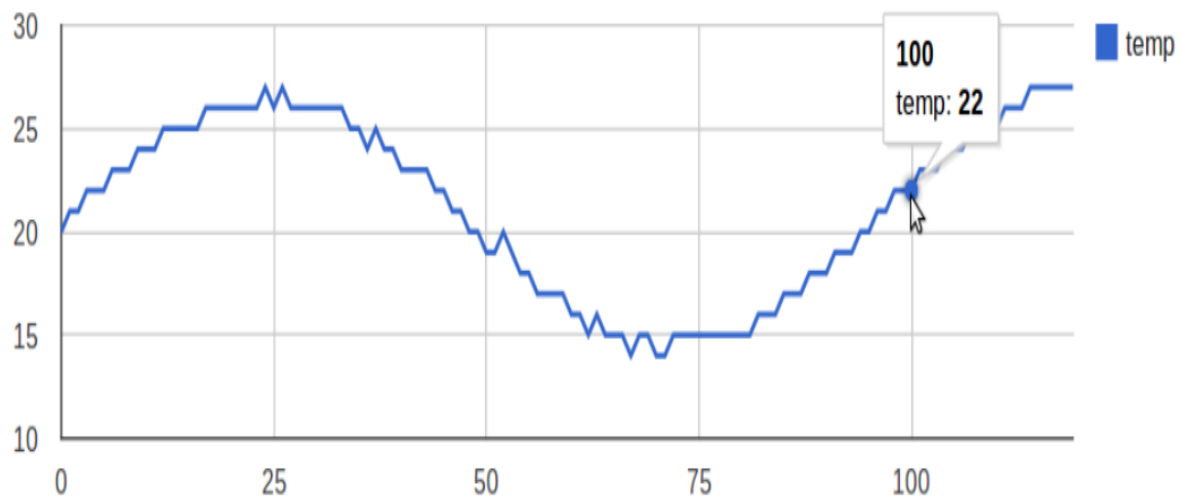
"id":15,

"value":51

}

EMAIL ALARMS

<input type="checkbox"/>	☆	me	humidity warning, id: 87 - It's too wet! Current humidity is 52%
<input type="checkbox"/>	☆	me	temperature warning, id: 88 - It's too cold! Current temperature is 18°C
<input type="checkbox"/>	☆	me	humidity warning, id: 85 - It's too wet! Current humidity is 52%
<input type="checkbox"/>	☆	me	temperature warning, id: 85 - It's too cold! Current temperature is 17°C
<input type="checkbox"/>	☆	me	temperature warning, id: 82 - It's too cold! Current temperature is 16°C
<input type="checkbox"/>	☆	me	temperature warning, id: 72 - It's too cold! Current temperature is 15°C
<input type="checkbox"/>	☆	me	temperature warning, id: 70 - It's too cold! Current temperature is 14°C
<input type="checkbox"/>	☆	me	temperature warning, id: 68 - It's too cold! Current temperature is 15°C
<input type="checkbox"/>	☆	me	temperature warning, id: 67 - It's too cold! Current temperature is 14°C
<input type="checkbox"/>	☆	me	temperature warning, id: 64 - It's too cold! Current temperature is 15°C

TEMPERATURE PLOT (100 VALUES = 25 HOURS SAMPLE)**HUMIDITY PLOT (100 VALUES = 25 HOURS SAMPLE)**