SPRINT- 2

Date	05 November 2022
Team ID	PNT2022TMID30696
Project Name	Project - IOT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	20 marks

Sprint-2	US-1	Configuration the connection security and create API keys that are used in the Node-RED	10
Sprint-2	US-2	Configuration the connection security and create API keys that are used in the Node-RED	10

The API key has been added.

Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the API key to generate a new authentication token.

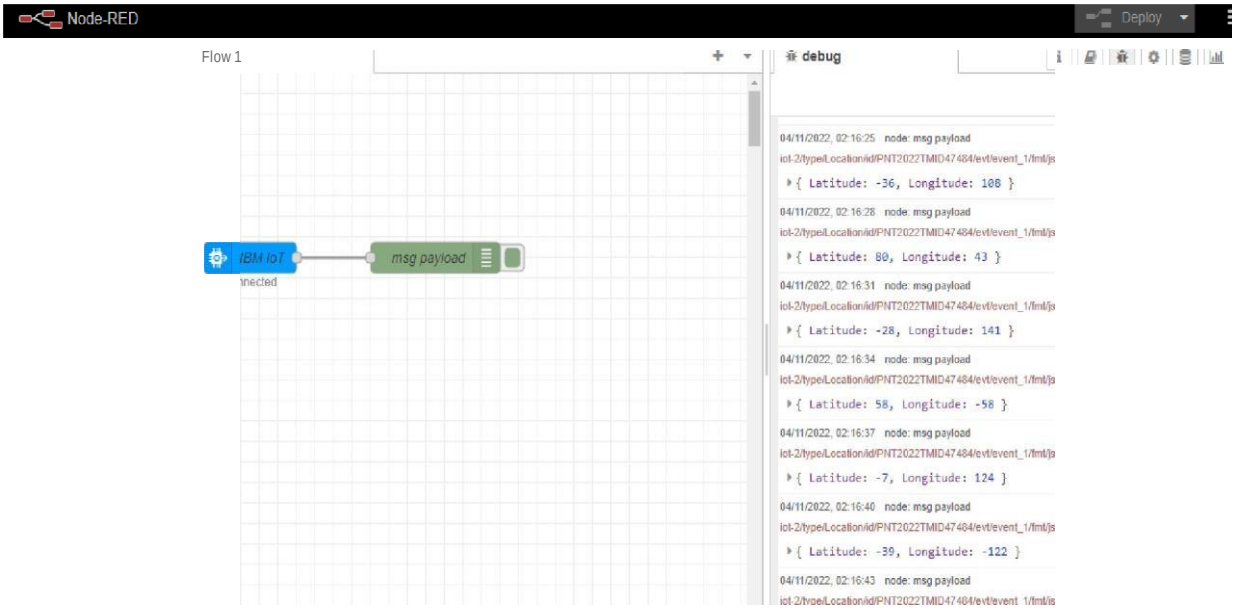
Generated Details

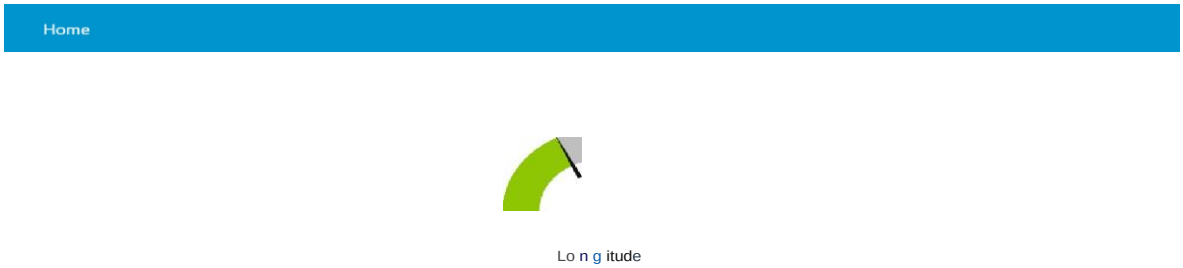
API Key	a-cci0bq-mnyawbswml
Authentication Token	YrFLGag2gUDd7@j6YP

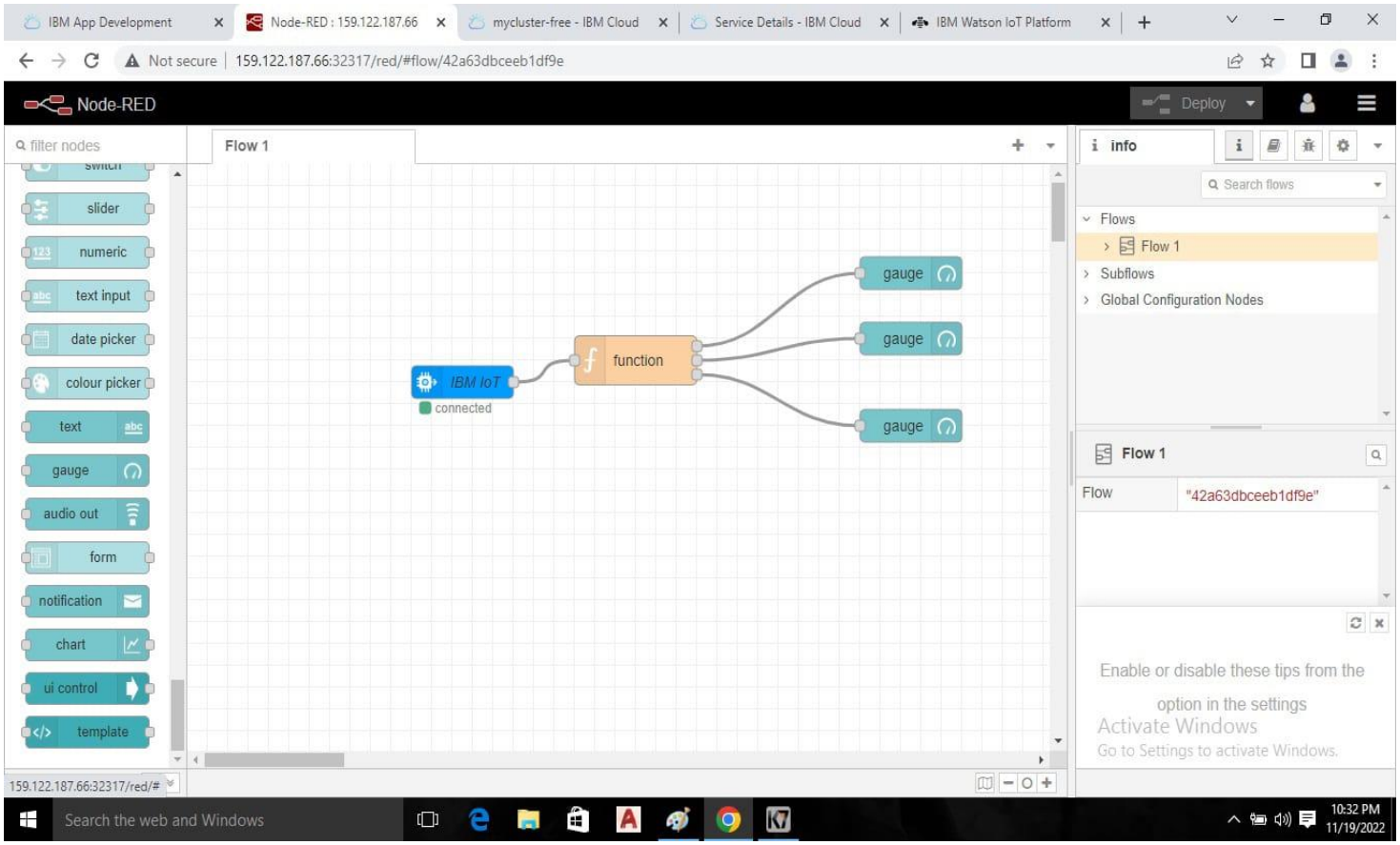
⚠ Make a note of the generated authentication token. Lost authentication tokens cannot be recovered. If you lose the token, you must reregister the API to generate a new token.

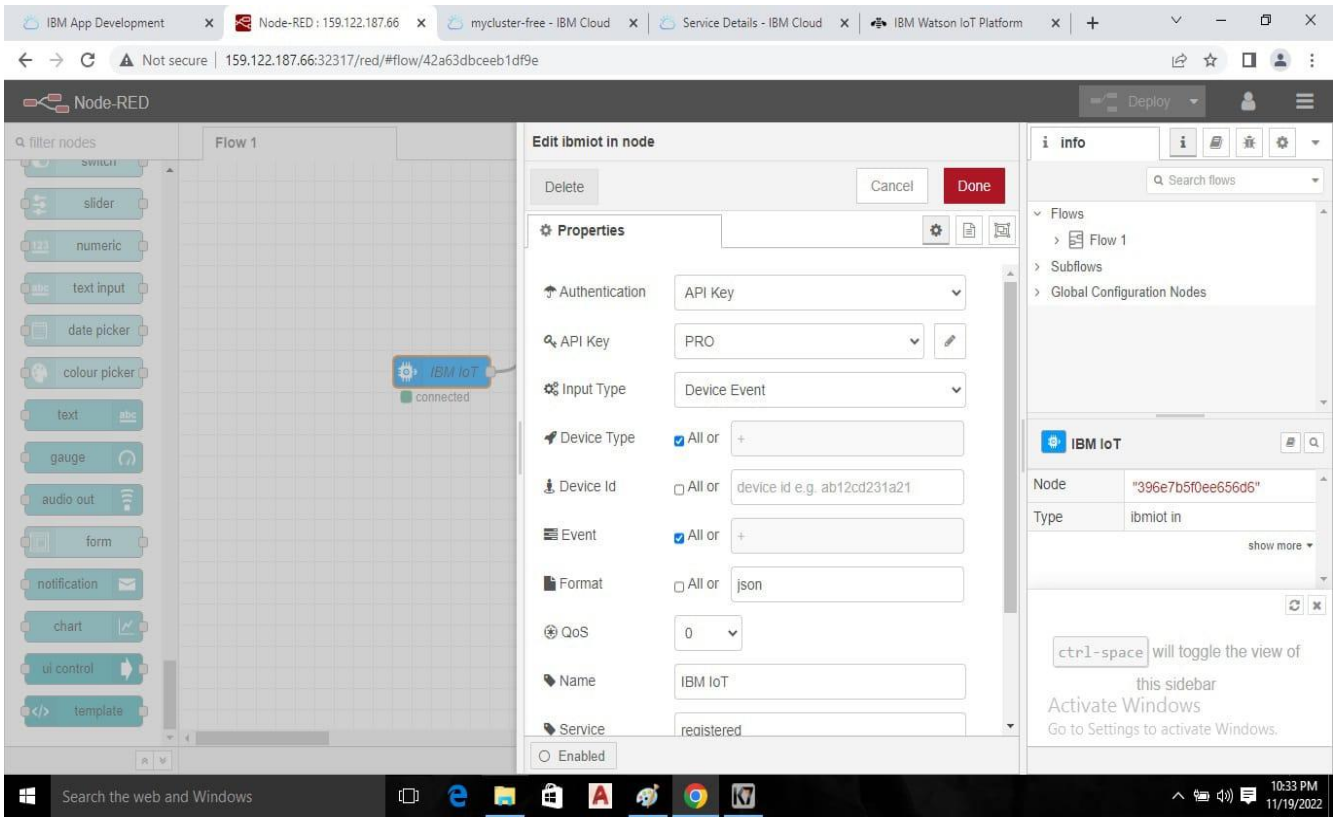
API Key Information

Description	-
Role	Standard Application
Expires	Never

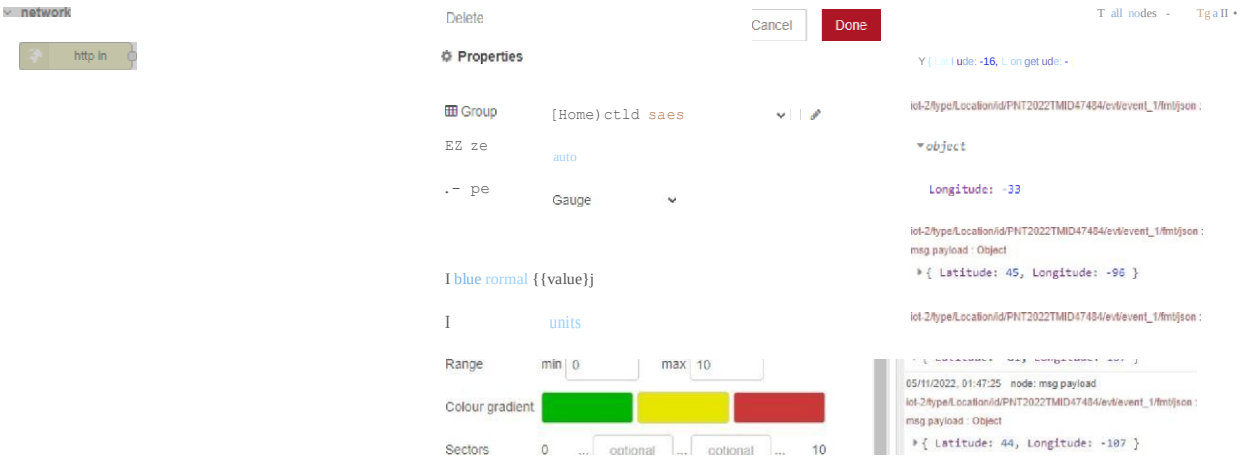

Node-RED
Deploy
Flow 1
debug
IBM IoT
msg payload
04/11/2022, 02:16:25 node: msg payload
{ Latitude: -36, Longitude: 108 }
04/11/2022, 02:16:28 node: msg payload
{ Latitude: 80, Longitude: 43 }
04/11/2022, 02:16:31 node: msg payload
{ Latitude: -28, Longitude: 141 }
04/11/2022, 02:16:34 node: msg payload
{ Latitude: 58, Longitude: -58 }
04/11/2022, 02:16:37 node: msg payload
{ Latitude: -7, Longitude: 124 }
04/11/2022, 02:16:40 node: msg payload
{ Latitude: -39, Longitude: -122 }
04/11/2022, 02:16:43 node: msg payload

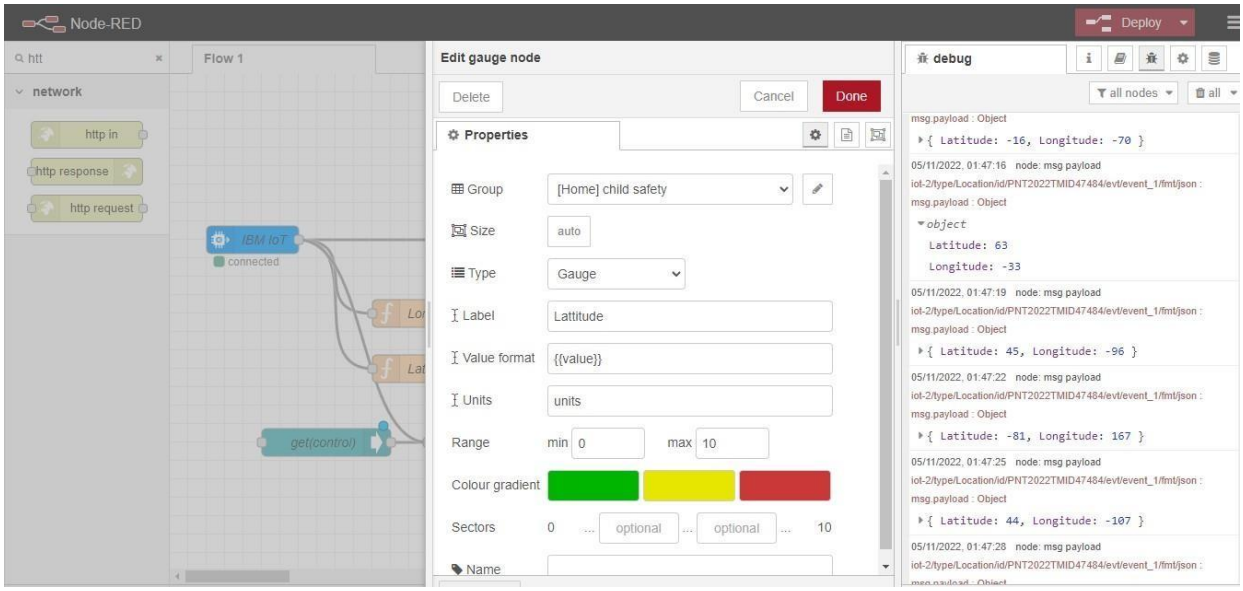

Home
Lo n g itude

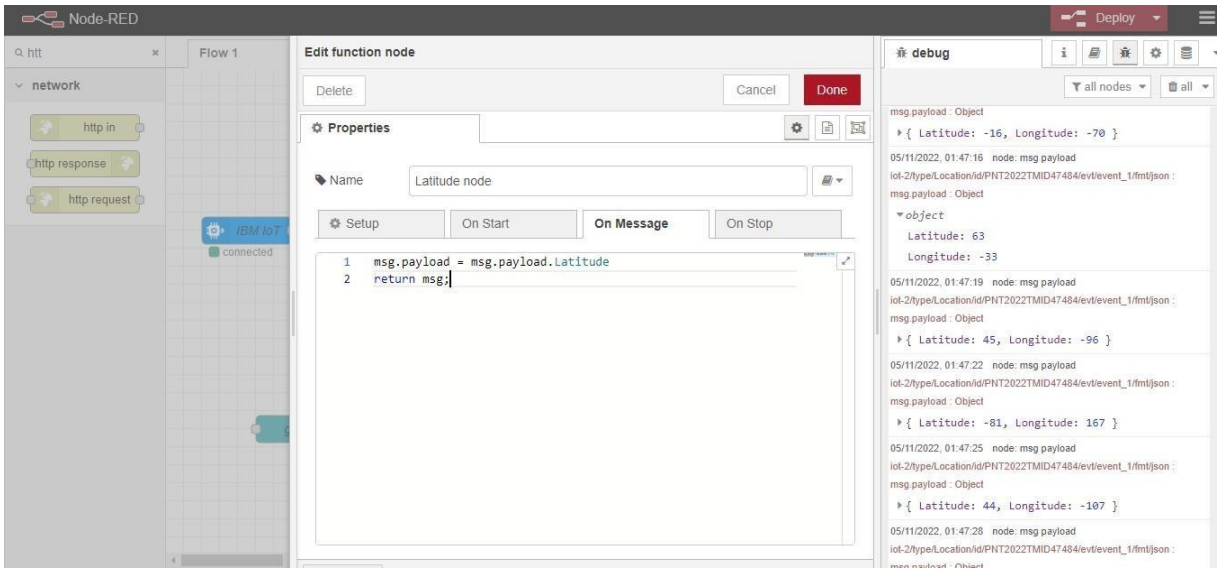

IBM App Development
Node-RED : 159.122.187.66
mycluster-free - IBM Cloud
Service Details - IBM Cloud
IBM Watson IoT Platform
Not secure | 159.122.187.66:32317/red/#flow/42a63dbceeb1df9e
Node-RED
Deploy
filter nodes
Flow 1
slider
numeric
text input
date picker
colour picker
text
gauge
audio out
form
notification
chart
ui control
template
IBM IoT
connected
function
gauge
gauge
gauge
info
Search flows
Flows
Flow 1
Subflows
Global Configuration Nodes
Flow 1
Flow
"42a63dbceeb1df9e"
Enable or disable these tips from the
option in the settings
Activate Windows
Go to Settings to activate Windows.
159.122.187.66:32317/red/#
Search the web and Windows
10:32 PM
11/19/2022


IBM App Development
Node-RED : 159.122.187.66
mycluster-free - IBM Cloud
Service Details - IBM Cloud
IBM Watson IoT Platform
Not secure | 159.122.187.66:32317/red/#flow/42a63dbceeb1df9e
Node-RED
Deploy
filter nodes
Flow 1
Edit ibmiot in node
Delete
Cancel
Done
Properties
Authentication
API Key
API Key
PRO
Input Type
Device Event
Device Type
All or
Device Id
All or
device id e.g. ab12cd231a21
Event
All or
Format
All or
json
QoS
0
Name
IBM IoT
Service
registered
Enabled
IBM IoT
connected
info
Search flows
Flows
Flow 1
Subflows
Global Configuration Nodes
IBM IoT
Node
"396e7b5f0ee656d6"
Type
ibmiot in
show more
ctrl-space will toggle the view of
this sidebar
Activate Windows
Go to Settings to activate Windows.
Search the web and Windows
10:33 PM
11/19/2022

network
http in
Delete
Cancel
Properties
all nodes
all
Setup
On Start
OnWessage
OuSlop
object
connected
load = mse.payload.Longitude
Longitude: -33


network
http in
Delete
Cancel
Done
Properties
all nodes
Group
[Home)ctld saes
auto
Gauge
I blue rormal {{value}j
units
Range
min 0
max 10
Colour gradient
Sectors
0
optional
optional
10
object
Longitude: -33
msg.payload : Object
{ Latitude: 45, Longitude: -96 }
05/11/2022, 01:47:25 node: msg.payload
msg.payload : Object
{ Latitude: 44, Longitude: -107 }


Node-RED
Deploy
Flow 1
network
http in
http response
http request
IBM IoT
connected
get(control)
Edit gauge node
Delete
Cancel
Done
Properties
Group
[Home] child safety
Size
auto
Type
Gauge
Label
Lattitude
Value format
{{value}}
Units
units
Range
min 0
max 10
Colour gradient
Sectors
0
optional
optional
10
Name
debug
all nodes
all
msg.payload : Object
{ Latitude: -16, Longitude: -70 }
05/11/2022, 01:47:16 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :
msg.payload : Object
object
Latitude: 63
Longitude: -33
05/11/2022, 01:47:19 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :
msg.payload : Object
{ Latitude: 45, Longitude: -96 }
05/11/2022, 01:47:22 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :
msg.payload : Object
{ Latitude: -81, Longitude: 167 }
05/11/2022, 01:47:25 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :
msg.payload : Object
{ Latitude: 44, Longitude: -107 }
05/11/2022, 01:47:28 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :


Node-RED
Deploy
Flow 1
network
http in
http response
http request
IBM IoT
connected
Edit function node
Delete
Cancel
Done
Properties
Name
Latitude node
Setup
On Start
On Message
On Stop
1 msg.payload = msg.payload.Latitude
2 return msg;
debug
all nodes
all
msg.payload : Object
{ Latitude: -16, Longitude: -70 }
05/11/2022, 01:47:16 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :
msg.payload : Object
object
Latitude: 63
Longitude: -33
05/11/2022, 01:47:19 node: msg payload
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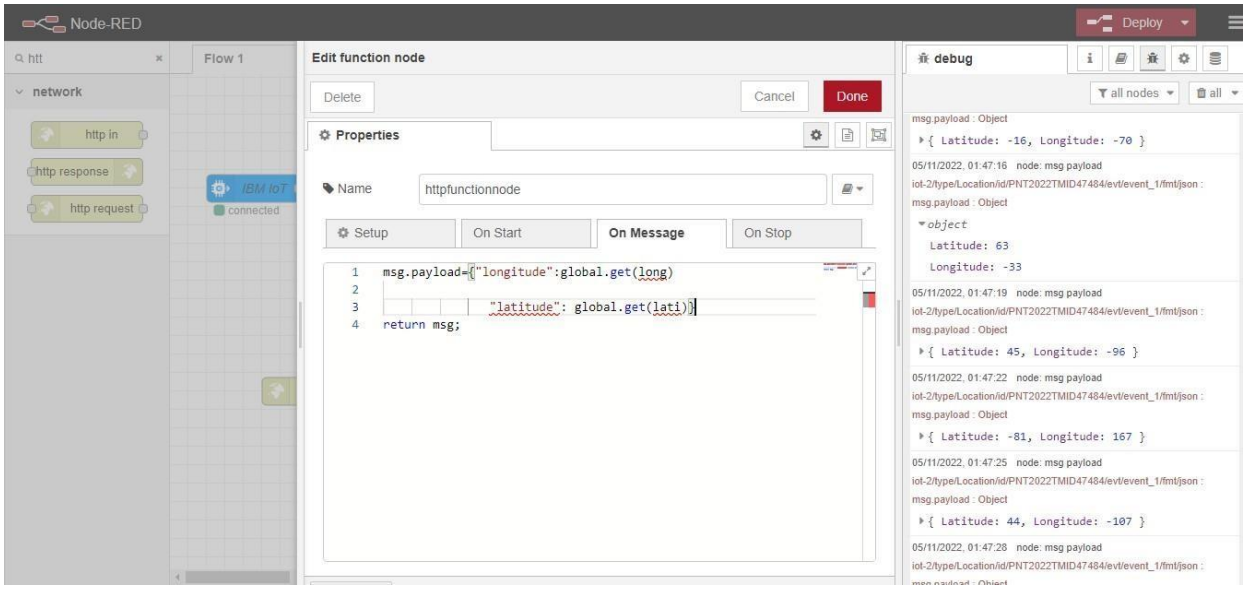
05/11/2022, 01:47:25 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :
msg.payload : Object
{ Latitude: 44, Longitude: -107 }
05/11/2022, 01:47:28 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :


Node-RED
Deploy
htt
network
http in
http response
http request
Flow 1
IBM IoT
connected
Edit function node
Delete
Cancel
Done
Properties
Name
httpfunctionnode
Setup
On Start
On Message
On Stop
1 msg.payload={"longitude":global.get(long)
2
3 "latitude": global.get(lati)}
4 return msg;
debug
all nodes
all
msg.payload : Object
{ Latitude: -16, Longitude: -70 }
05/11/2022, 01:47:16 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :
msg.payload : Object
object
Latitude: 63
Longitude: -33
05/11/2022, 01:47:19 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :
msg.payload : Object
{ Latitude: 45, Longitude: -96 }
05/11/2022, 01:47:22 node: msg payload
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msg.payload : Object
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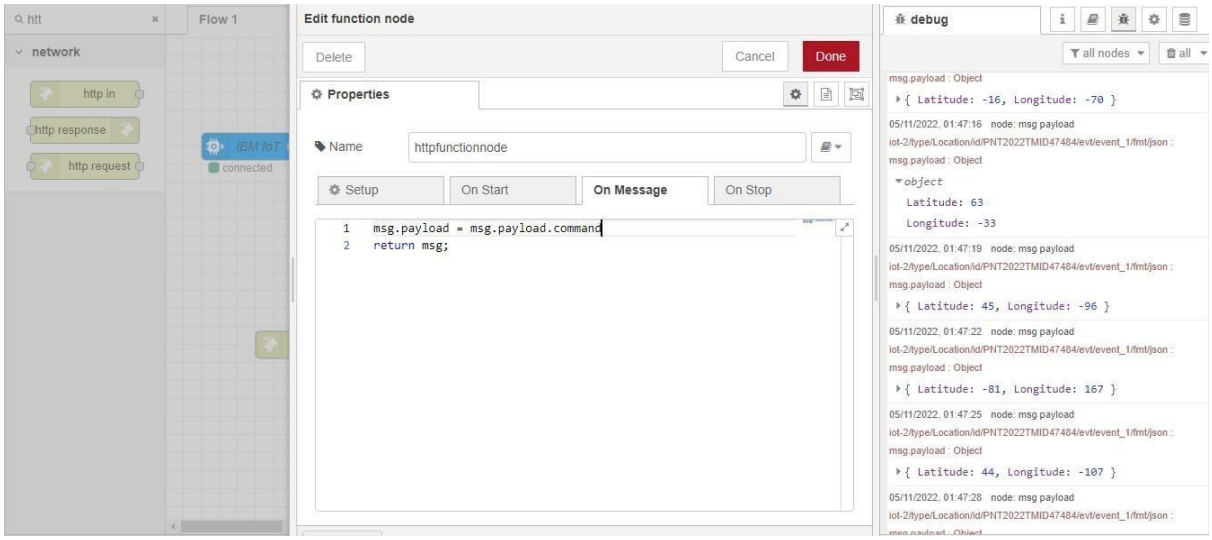
05/11/2022, 01:47:25 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :
msg.payload : Object
{ Latitude: 44, Longitude: -107 }
05/11/2022, 01:47:28 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :


htt
network
http in
http response
http request
Flow 1
IBM IoT
connected
Edit function node
Delete
Cancel
Done
Properties
Name
httpfunctionnode
Setup
On Start
On Message
On Stop
1 msg.payload = msg.payload.command
2 return msg;
debug
all nodes
all
msg.payload : Object
{ Latitude: -16, Longitude: -70 }
05/11/2022, 01:47:16 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :
msg.payload : Object
object
Latitude: 63
Longitude: -33
05/11/2022, 01:47:19 node: msg payload
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{ Latitude: -81, Longitude: 167 }
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msg.payload : Object
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05/11/2022, 01:47:28 node: msg payload
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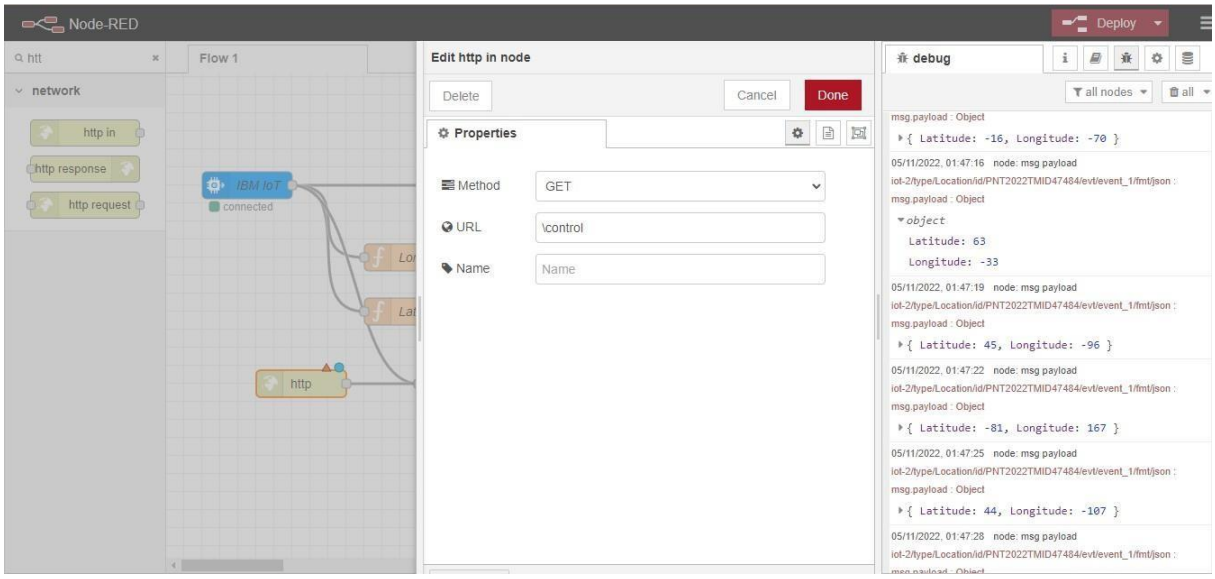
Node-RED
Deploy
htt
network
http in
http response
http request
Flow 1
IBM IoT
connected
http
Edit http in node
Delete
Cancel
Done
Properties
Method
GET
URL
\control
Name
Name
debug
all nodes
all
msg.payload : Object
{ Latitude: -16, Longitude: -70 }
05/11/2022, 01:47:16 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :
msg.payload : Object
object
Latitude: 63
Longitude: -33
05/11/2022, 01:47:19 node: msg payload
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msg.payload : Object
{ Latitude: 45, Longitude: -96 }
05/11/2022, 01:47:22 node: msg payload
iot-2/type/Location/id/PNT2022TMID47484/evt/event_1/fmt/json :
msg.payload : Object
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msg.payload : Object
{ Latitude: 44, Longitude: -107 }
05/11/2022, 01:47:28 node: msg payload
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