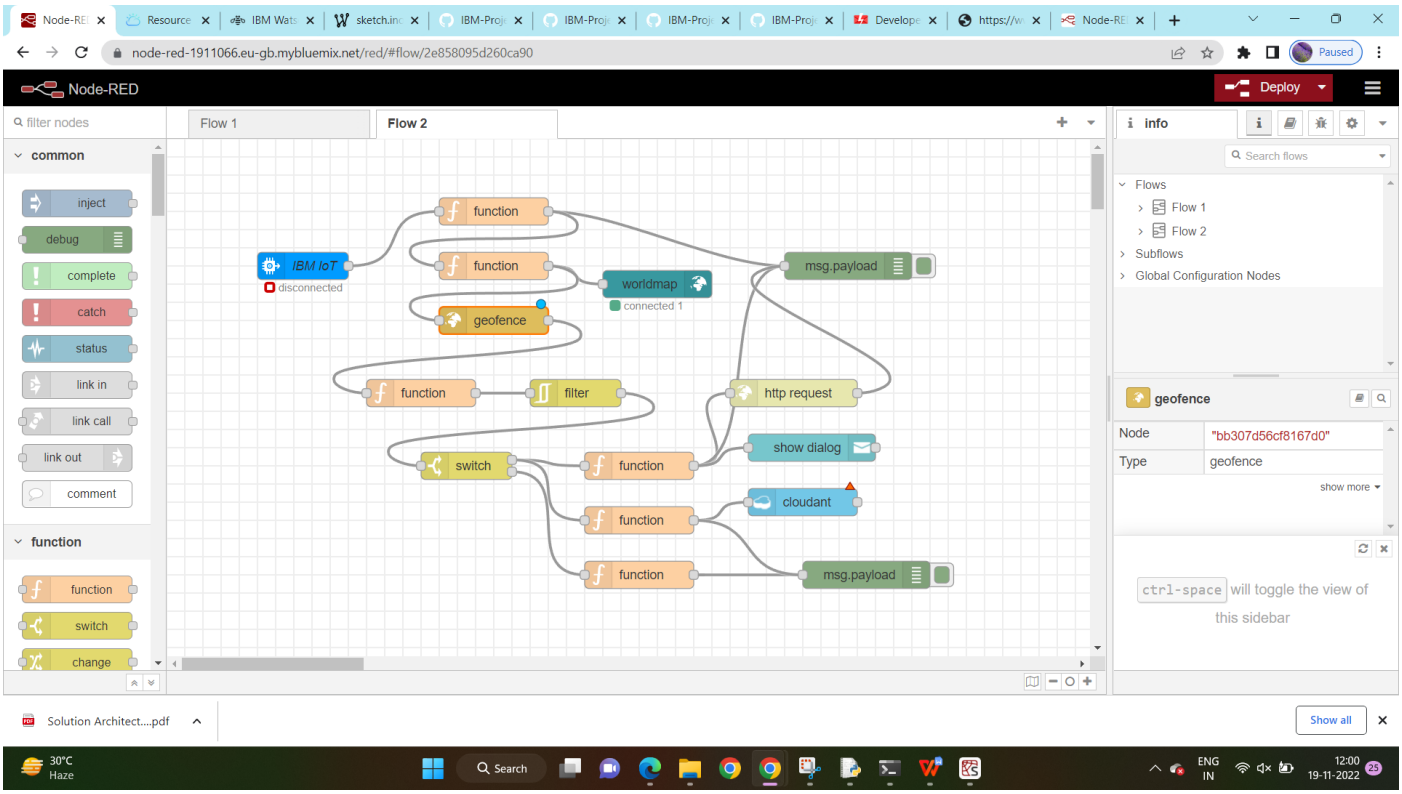
Project Development - Sprint 1

Iot Based Safety For Child Safety Monitoring & Notification

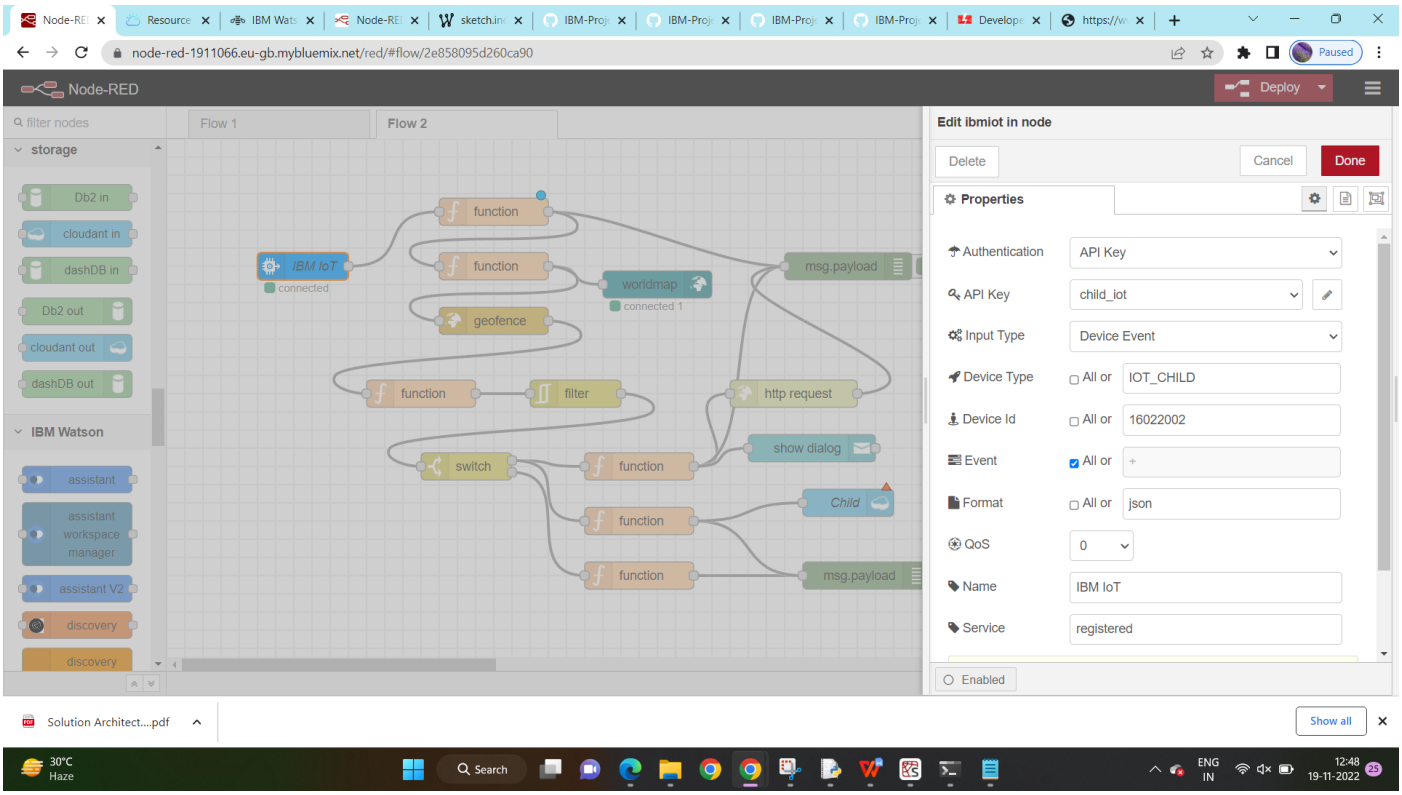
Team ID: PNT2022TMID20307

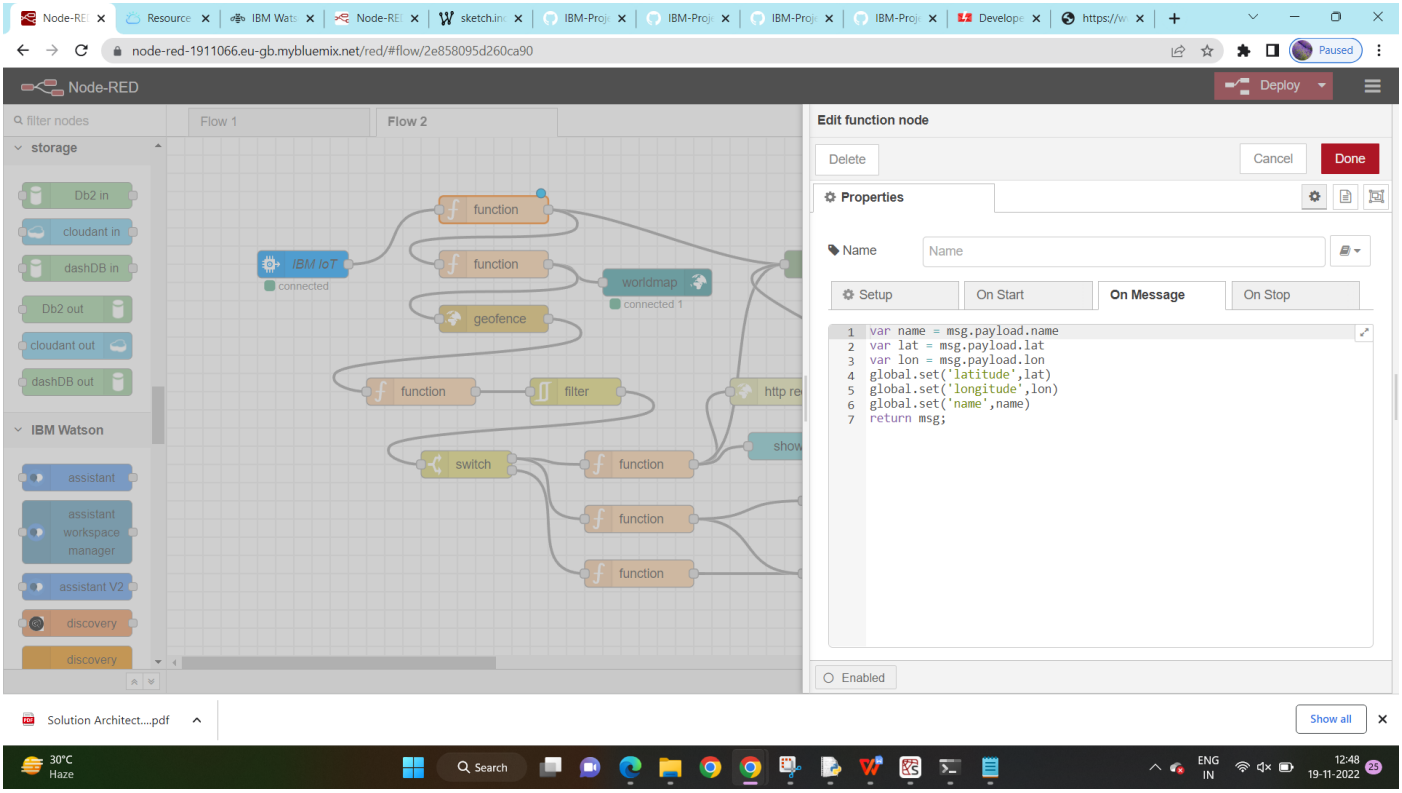
Creating Node - Red Service and Connecting with IBM cloud

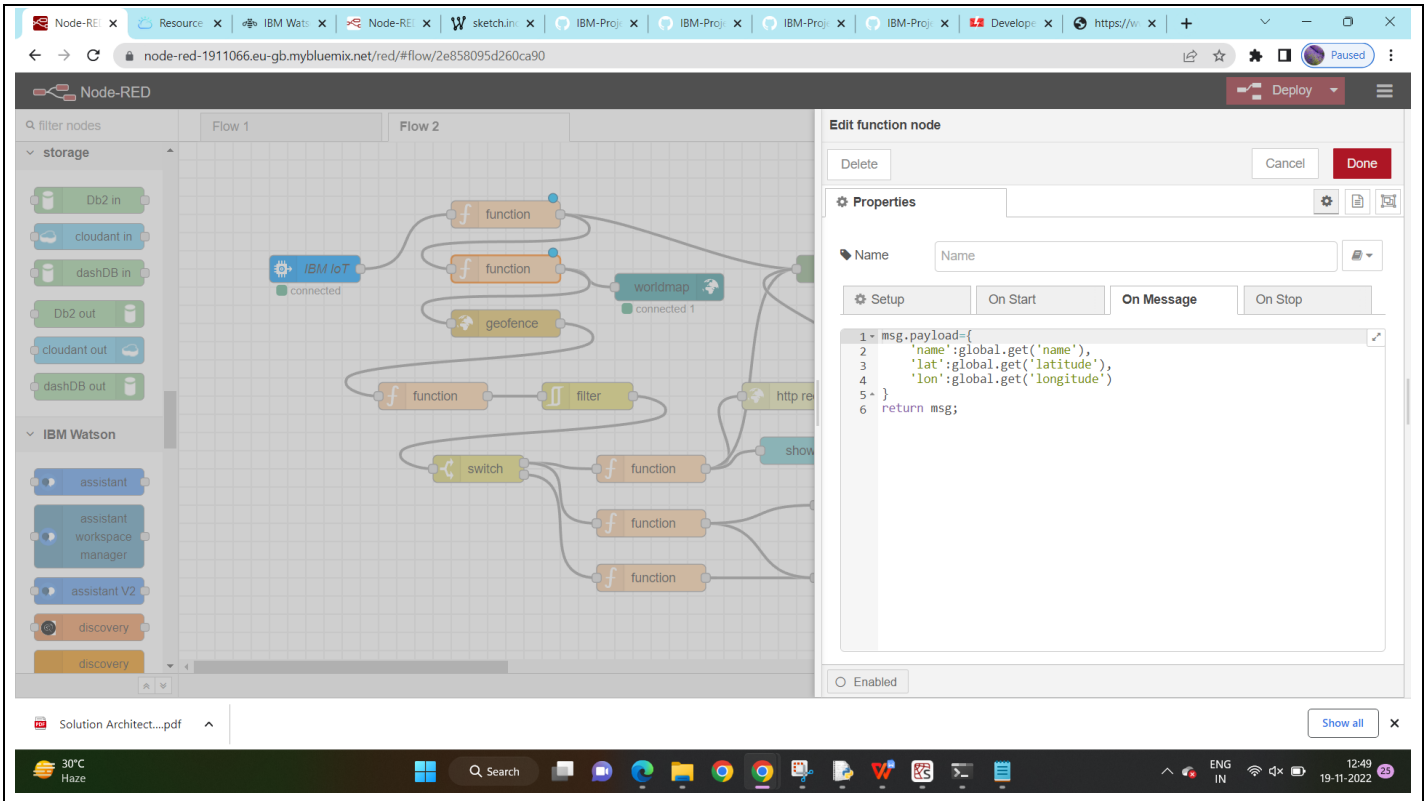
Creating Node-Red Service :

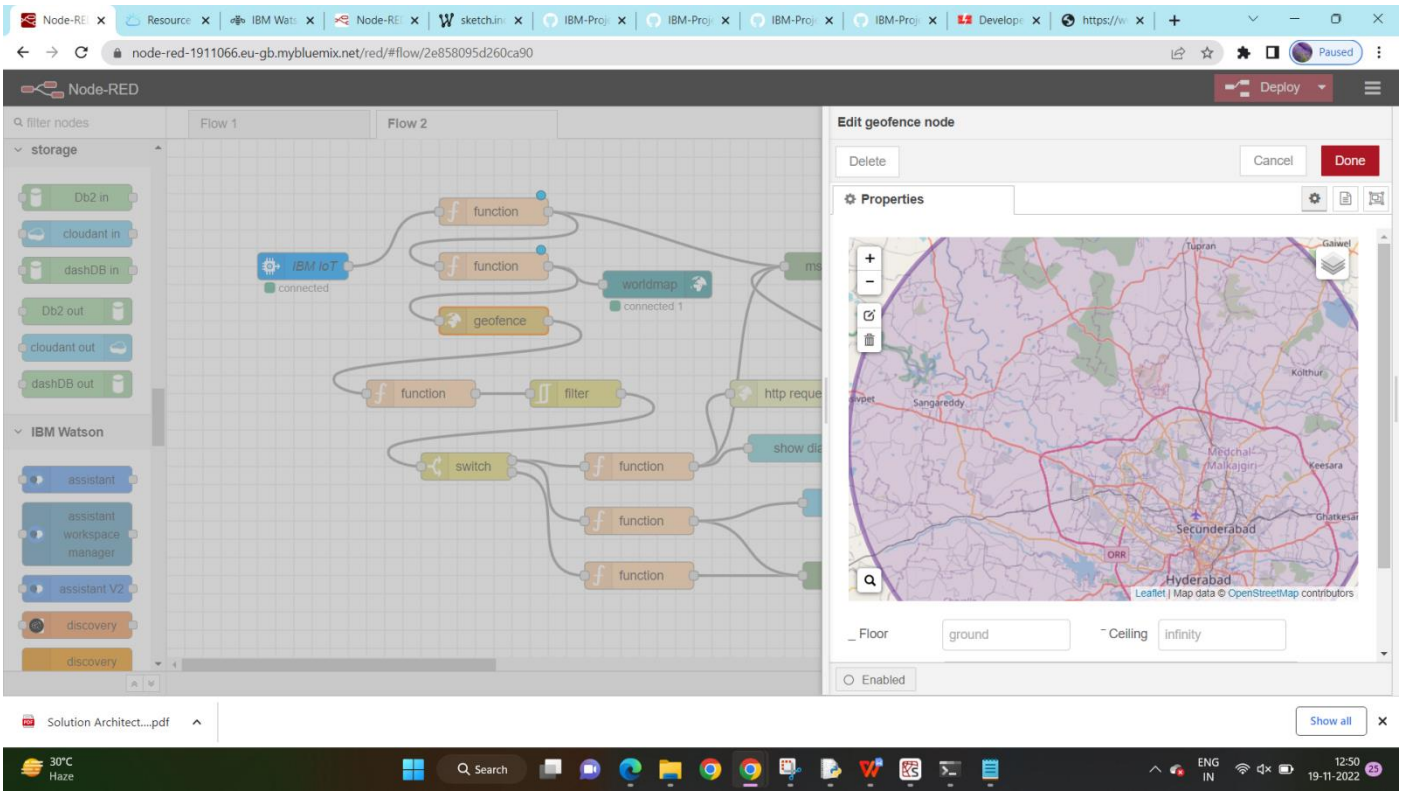


Codes in Each Node:






node-red-1911066.eu-gb.mybluemix.net/red/#flow/2e858095d260ca90
Node-RED
Deploy
Flow 1
Flow 2
storage
Db2 in
cloudant in
dashDB in
Db2 out
cloudant out
dashDB out
IBM Watson
assistant
assistant workspace manager
assistant V2
discovery
IBM IoT
connected
function
worldmap
connected 1
geofence
filter
switch
Edit function node
Delete
Cancel
Done
Properties
Name
Setup
On Start
On Message
On Stop
msg.payload={
'name':global.get('name'),
'lat':global.get('latitude'),
'lon':global.get('longitude')
}
return msg;
Enabled
Solution Architect....pdf
Show all
30°C
Haze
Search
ENG
IN
12:49
19-11-2022


node-red-1911066.eu-gb.mybluemix.net/red/#flow/2e858095d260ca90
Node-RED
Deploy
Flow 1
Flow 2
storage
Db2 in
cloudant in
dashDB in
Db2 out
cloudant out
dashDB out
IBM Watson
assistant
assistant workspace manager
assistant V2
discovery
IBM IoT
connected
function
worldmap
connected 1
geofence
filter
switch
Edit geofence node
Delete
Cancel
Done
Properties
Tupran
Gaiwel
Kolthur
Sangareddy
Medchal Malkajgiri
Keesara
Secunderabad
Ghatkesar
ORR
Hyderabad
Leaflet | Map data © OpenStreetMap contributors
Floor
ground
Ceiling
infinity
Enabled
Solution Architect....pdf
Show all
30°C
Haze
Search
ENG
IN
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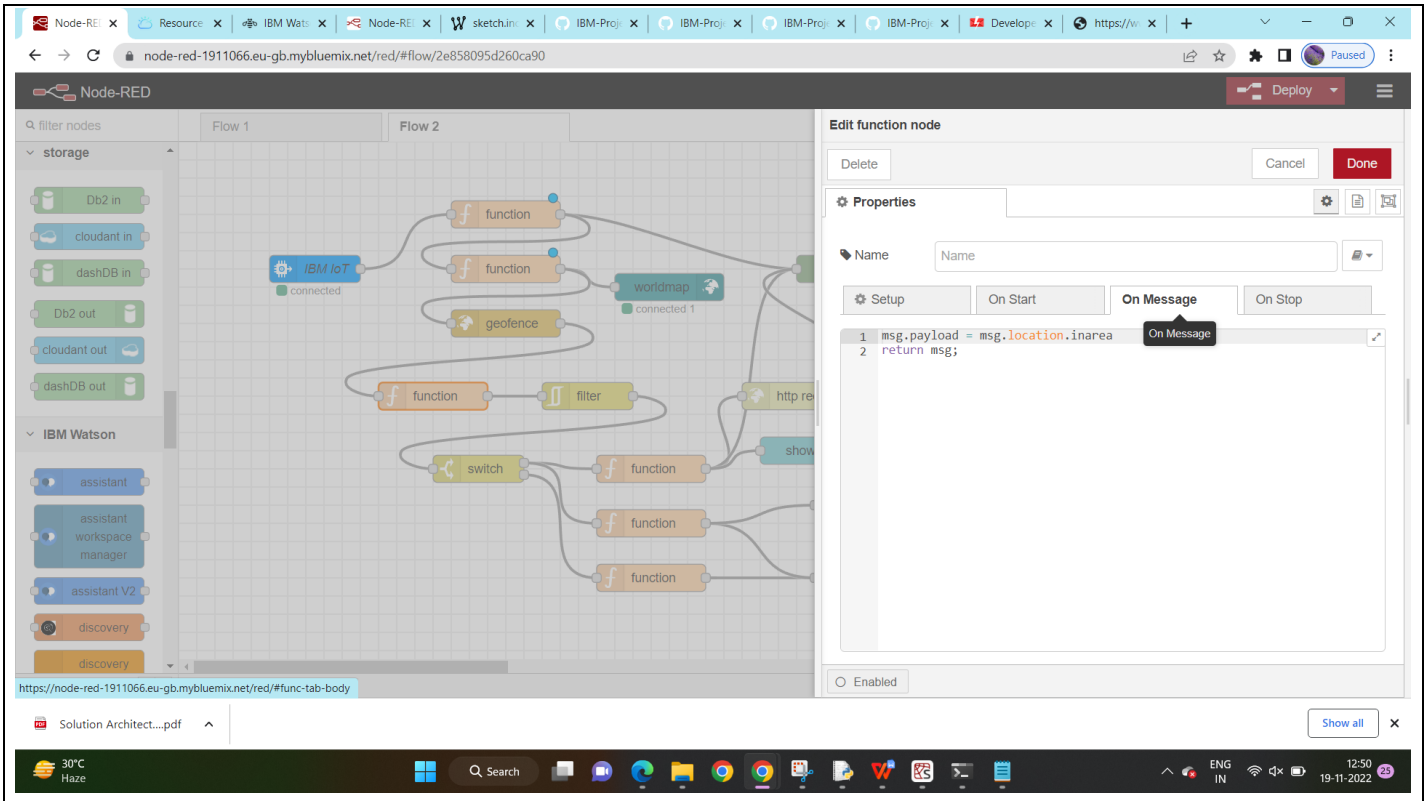
19-11-2022


node-red-1911066.eu-gb.mybluemix.net/red/#flow/2e858095d260ca90
Node-RED
Deploy
filter nodes
Flow 1
Flow 2
storage
Db2 in
cloudant in
dashDB in
Db2 out
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dashDB out
IBM Watson
assistant
assistant workspace manager
assistant V2
discovery
IBM IoT
connected
function
worldmap
connected 1
geofence
filter
switch
Edit function node
Delete
Cancel
Done
Properties
Name
Setup
On Start
On Message
On Stop
msg.payload = msg.location.inarea
return msg;
Enabled
https://node-red-1911066.eu-gb.mybluemix.net/red/#func-tab-body
Solution Architect....pdf
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Search
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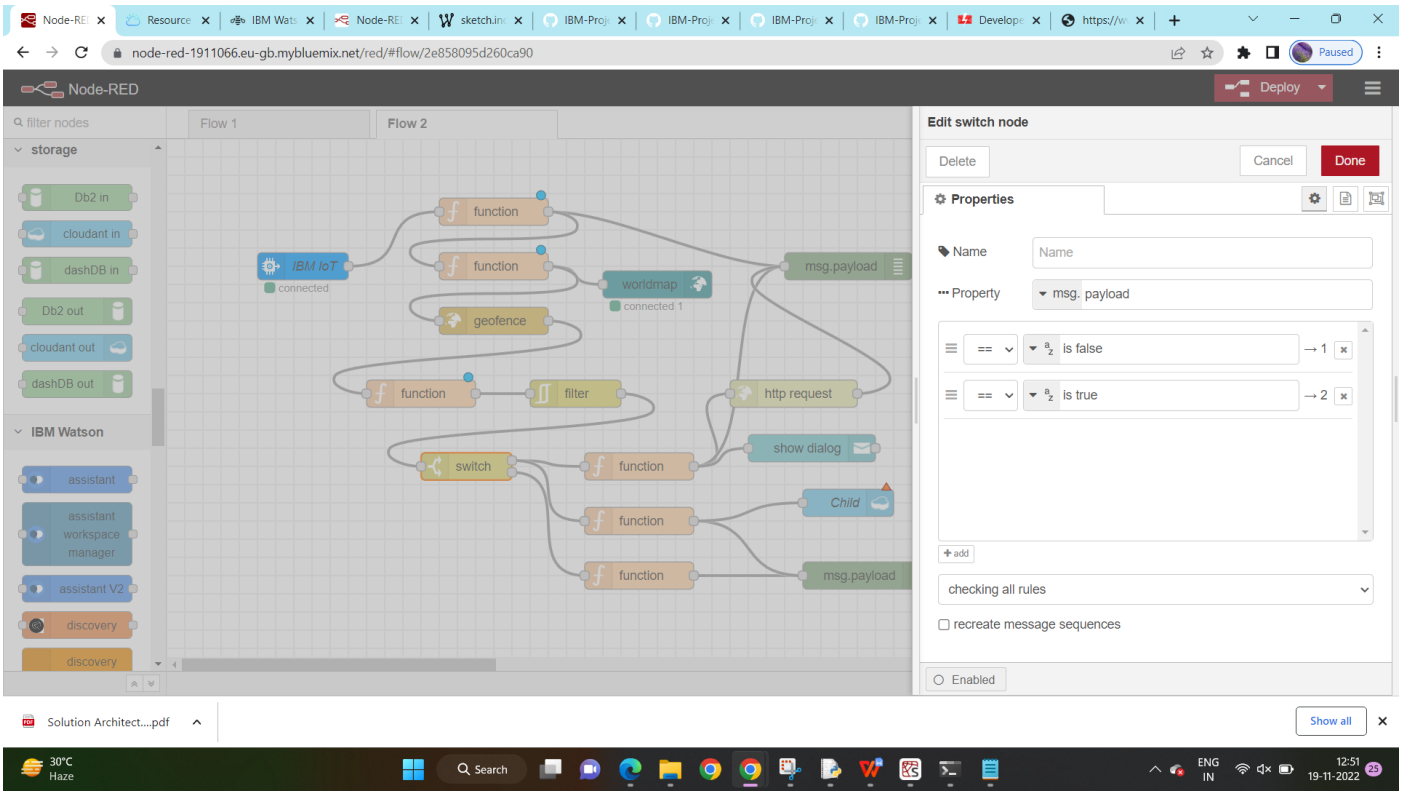
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Node-RED
Deploy
Flow 1
Flow 2
storage
IBM Watson
IBM IoT
connected
function
worldmap
connected 1
geofence
filter
switch
http request
show dialog
Child
msg.payload
Edit switch node
Delete
Cancel
Done
Properties
Name
Property
msg. payload
== is false → 1
== is true → 2
add
checking all rules
recreate message sequences
Enabled
Solution Architect....pdf
Show all
30°C
Haze
Search
ENG
IN
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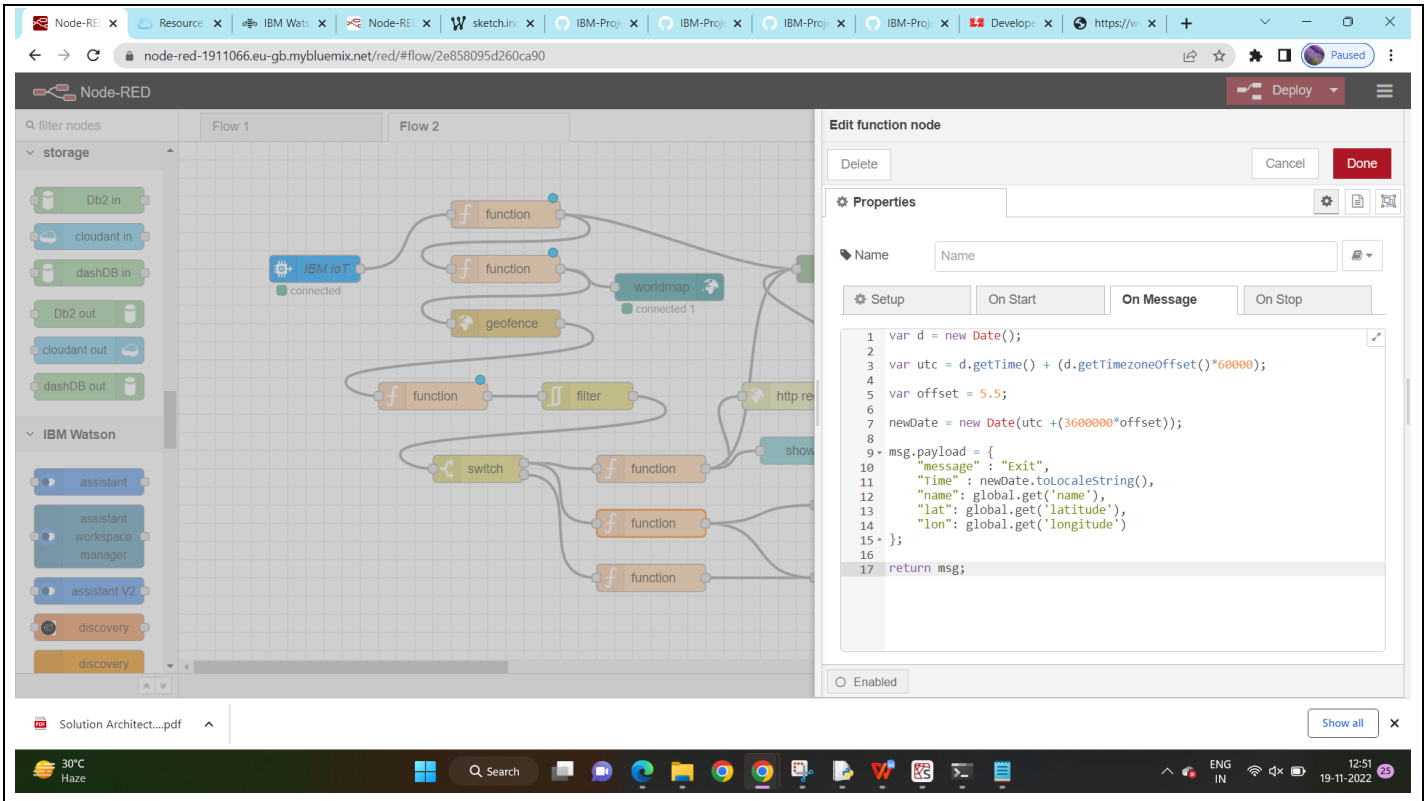
19-11-2022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worldmap
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switch
Edit function node
Delete
Cancel
Done
Properties
Name
Setup
On Start
On Message
On Stop
var d = new Date();
var utc = d.getTime() + (d.getTimezoneOffset()*60000);
var offset = 5.5;
newDate = new Date(utc +(3600000*offset));
msg.payload = {
"message" : "Exit",
"Time" : newDate.toLocaleString(),
"name": global.get('name'),
"lat": global.get('latitude'),
"lon": global.get('longitude')
};
return msg;
Enabled
Solution Architect....pdf
Show all
30°C
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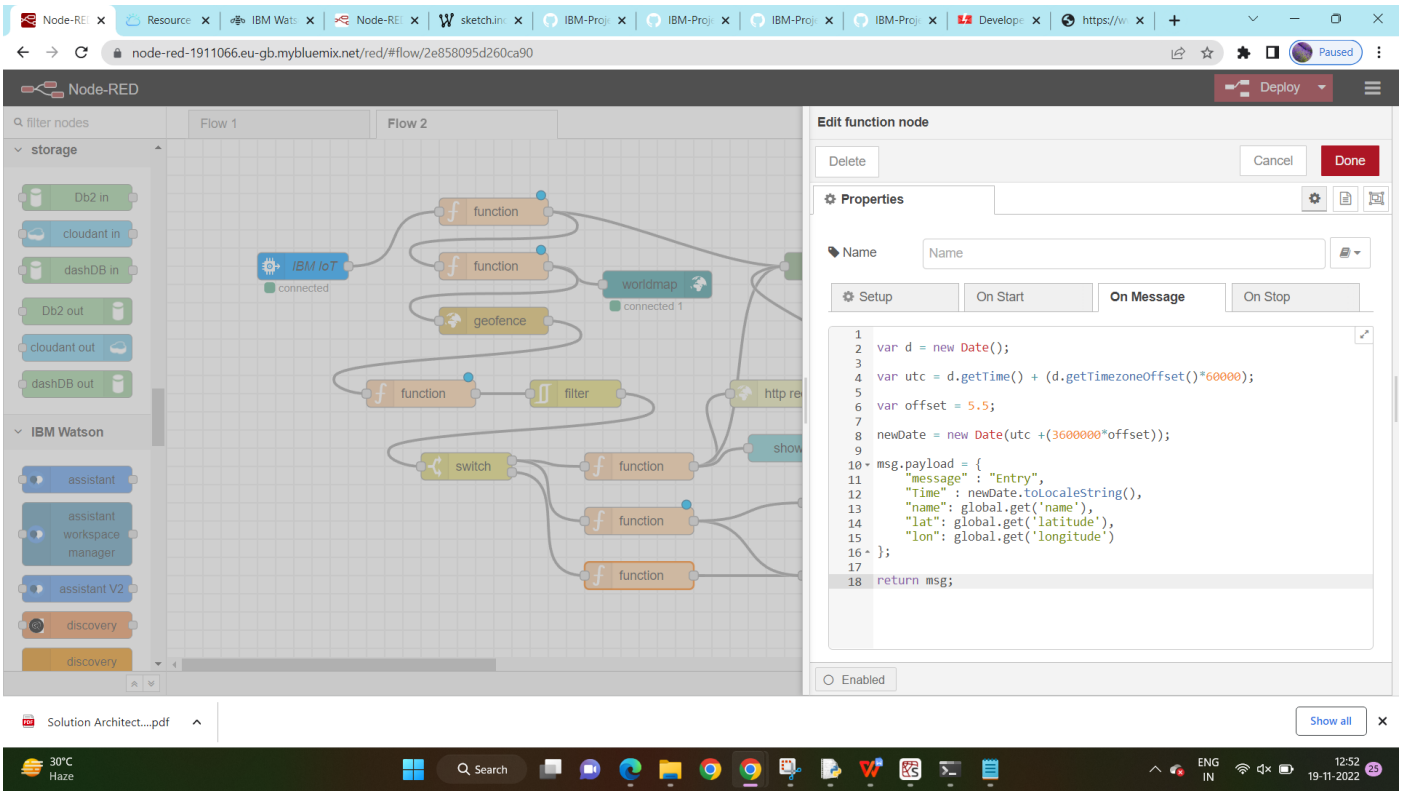
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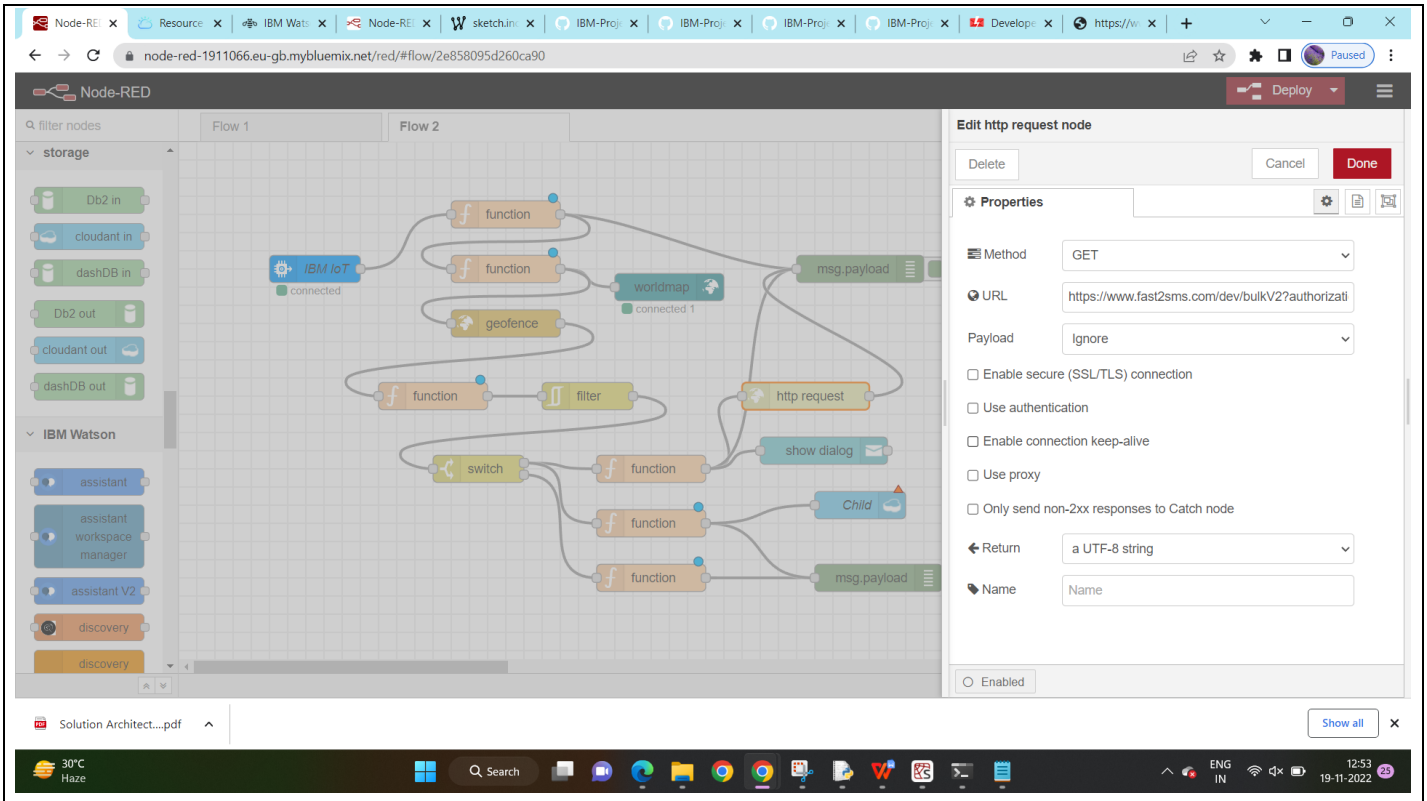
Done
Properties
Name
Setup
On Start
On Message
On Stop
var d = new Date();
var utc = d.getTime() + (d.getTimezoneOffset()*60000);
var offset = 5.5;
newDate = new Date(utc +(3600000*offset));
msg.payload = {
"message" : "Entry",
"Time" : newDate.toLocaleString(),
"name": global.get('name'),
"lat": global.get('latitude'),
"lon": global.get('longitude')
};
return msg;
Enabled
Solution Architect....pdf
Show all
30°C
Haze
Search
ENG
IN
12:52
19-11-2022


Node-RED
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Deploy
filter nodes
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assistant V2
discovery
IBM IoT
connected
function
function
geofence
worldmap
connected 1
msg.payload
function
filter
http request
switch
function
show dialog
Child
function
function
msg.payload
Edit http request node
Delete
Cancel
Done
Properties
Method
GET
URL
https://www.fast2sms.com/dev/bulkV2?authorizati
Payload
Ignore
Enable secure (SSL/TLS) connection
Use authentication
Enable connection keep-alive
Use proxy
Only send non-2xx responses to Catch node
Return
a UTF-8 string
Name
Name
Enabled
Solution Architect....pdf
Show all
30°C
Haze
Search
ENG
IN
12:53
19-11-2022