```
Json document
[{"id":"614e8255c1f336bb", "type":"tab", "label":"Flow
2", "disabled":false, "info":"", "env":[]}, {"id":"197856d2
3ae9cbff","type":"ui dropdown","z":"614e8255c1f336bb","
name":"", "label":"", "tooltip":"", "place": "Select
option", "group": "08fc5d3be9b8dd36", "order": 0, "width": "6
", "height": "1", "passthru": true, "multiple": false, "option
s":[{"label":"9788b960d51242f56c9ff931b9241e3a","value"
:"9788b960d51242f56c9ff931b9241e3a","type":"str"},{"lab
el": "a153a86e8ad6052c635b4c3aad93d849", "value": "a153a86
e8ad6052c635b4c3aad93d849", "type": "str"}, { "label": "60a2
36887232a93a10479dbdc1eb3640", "value": "60a236887232a93a
10479dbdc1eb3640", "type": "str"}, { "label": "b347f585a6d4e
3a6efdeeb4d44c14bd1","value":"b347f585a6d4e3a6efdeeb4d4
4c14bd1", "type": "str" }], "payload": "", "topic": "topic", "t
opicType": "msg", "x":150, "y":140, "wires": [["ce40af05b223
7cfa", "caf2be97e04016f9"]]}, {"id": "ce40af05b2237cfa", "t
ype": "cloudant
in", "z": "614e8255c1f336bb", "name": "", "cloudant": "", "dat
abase": "employee", "service": "node-red-vjpmx-2021--
cloudant-1636102416092-
30990", "search": "id ", "design": "", "index": "", "x": 280, "
y":80, "wires": [["46f163e7450a8e33", "5f5ac05f008bcbb4"]]
}, {"id":"caf2be97e04016f9", "type":"debug", "z":"614e8255
c1f336bb", "name": "", "active": true, "tosidebar": true, "con
sole":false, "tostatus":false, "complete": "false", "status
Val":"", "statusType":"auto", "x":250, "y":340, "wires":[]}
, {"id": "46f163e7450a8e33", "type": "debug", "z": "614e8255c
1f336bb", "name": "", "active": true, "tosidebar": true, "cons
ole":false, "tostatus":false, "complete": "false", "statusV
al":"", "statusType": "auto", "x":570, "y":80, "wires":[]}, {
"id": "5f5ac05f008bcbb4", "type": "function", "z": "614e8255
c1f336bb", "name": "", "func": "msg.payload=msg.payload.con
v\nreturn
msg; \n", "outputs":1, "noerr":0, "initialize":"", "finalize"
":"","libs":[],"x":370,"y":260,"wires":[["0cc6c56c6c58e
7bb", "4beb8eab01289c7a"]]}, {"id": "0cc6c56c6c58e7bb", "ty
pe":"debug", "z": "614e8255c1f336bb", "name": "", "active": t
```

```
rue, "tosidebar": true, "console": false, "tostatus": false, "
complete":"false", "statusVal":"", "statusType":"auto", "x
":640, "y":240, "wires":[]}, { "id": "4beb8eab01289c7a", "typ
e": "watson-tone-analyzer-
v3", "z": "614e8255c1f336bb", "name": "", "tones": "all", "sen
tences":"true", "contentType":"false", "tone-
method": "customerEngagementTone", "interface-
version": "2017-09-21", "inputlang": "en", "service-
endpoint": "https://api.us-south.tone-
analyzer.watson.cloud.ibm.com/instances/306ed5b8-96be-
4ef8-a718-
310f824b65b6", "x":460, "y":180, "wires":[["f69a392c521417
3c","4f6b8c1d4c4769df"]]},{"id":"f69a392c5214173c","typ
e":"debug", "z":"614e8255c1f336bb", "name":"", "active":tr
ue, "tosidebar": true, "console": false, "tostatus": false, "c
omplete":"true", "targetType":"full", "statusVal":"", "sta
tusType": "auto", "x":720, "y":160, "wires": []}, { "id": "4f6b
8c1d4c4769df", "type": "function", "z": "614e8255c1f336bb",
"name":"", "func":"var p=0\nvar ex=0\nvar fr =0;\nvar
ip=0;\nvar s =0;\nvar sa=0;\nvar sy=0\nvar n=\"\"\nvar
ut=msq.response.utterances tone; \n//msq.payload=tone.le
ngth\nfor (i=0;i<ut.length;i++){\n</pre>
tone=msg.response.utterances tone[i].tones.length\n
for (j=0; j < tone; j++) { n}
n=msq.response.utterances tone[i].tones[j].tone name; \n
if (msg.response.utterances tone[i].tones[j].tone name==
\"Polite\") {\n
                          p=p+1 n
                                          } \ n
                                                    else
if (msg.response.utterances tone[i].tones[j].tone name==
\"Sad\") {\n
                       s=s+1 n
                                      } \ n
if (msq.response.utterances tone[i].tones[j].tone name==
\"Frustrated\") {\n
                               fr=fr+1\n
                                                } \n
else
if (msg.response.utterances tone[i].tones[j].tone name==
\"Impolite\"){\n
                             ip=ip+1\n
                                              } \ n
else
if (msq.response.utterances tone[i].tones[j].tone name==
\"Satisfied\"){\n
                              sa=sa+1\n
                                               } \ n
else
if (msq.response.utterances tone[i].tones[j].tone name==
\"Sympathetic\"){\n
                                sy=sy+1\n
                                                 } \n
```

```
}\n}//\n// \"data\": [ [p], [s],
[fr],[ip],[sa],[sy]],\n//msg.payload=n\nmsg.payload=[{\
"series\":[\"Data\"],\n \"data\": [ p, s,
                  \"labels\": [ \"polite\", \"sad\",
fr, ip, sa, syl, \n
\"frustrated\",\"impolite\",\"satisfied\",\"sympathetic
\"]}]\n//msg.payload={\"polite\":p,\"sad\":s,\"frustrat
ed\":fr,\"impolite\":ip,\"satisfied\":sa,\"sympathetic\
":sy}\nreturn
msg;","outputs":1,"noerr":0,"initialize":"","finalize":
"", "libs":[], "x":450, "y":400, "wires":[["17b13c55ba36f06
6","169732820da83dcd","ed9646452c728b14"]]},{"id":"17b1
3c55ba36f066", "type": "debug", "z": "614e8255c1f336bb", "na
me":"", "active":true, "tosidebar":true, "console":false, "
tostatus":false, "complete": "false", "statusVal": "", "stat
usType": "auto", "x":680, "y":420, "wires":[]}, { "id": "16973
2820da83dcd", "type": "ui chart", "z": "614e8255c1f336bb", "
name":"", "group": "4982c70359ae6941", "order": 0, "width": 0
,"height":0,"label":"Sentiment
Analysis", "chartType": "bar", "legend": "false", "xformat":
"HH:mm:ss", "interpolate": "linear", "nodata": "", "dot":fal
se, "ymin": "0", "ymax": "10", "removeOlder": 1, "removeOlderP
oints":"", "removeOlderUnit": "3600", "cutout": 0, "useOneCo
lor":false, "useUTC":false, "colors":["#1f77b4", "#aec7e8"
"#ff7f0e","#2ca02c","#98df8a","#d62728","#ff9896","#94
67bd", "#c5b0d5"], "outputs":1, "useDifferentColor": false,
"x":580, "y":500, "wires":[[]]}, {"id": "ed9646452c728b14",
"type":"function", "z":"614e8255c1f336bb", "name":"", "fun
c": "msq.payload=msq.response.utterances tone\nreturn
msg; \n", "outputs":1, "noerr":0, "initialize":"", "finalize
":"","libs":[],"x":570,"y":600,"wires":[["4290ab15222c9
0d6"]]}, {"id":"4290ab15222c90d6", "type":"cloudant
out", "z": "614e8255c1f336bb", "name": "", "cloudant": "", "da
tabase": "Sentiment", "service": "node-red-vjpmx-2021--
cloudant-1636102416092-
30990", "payonly": false, "operation": "insert", "x": 750, "y"
:680, "wires":[]}, {"id":"08fc5d3be9b8dd36", "type":"ui gr
oup", "name":"
employee", "tab": "2a8dce641cbeeb9e", "order": 1, "disp": tru
e, "width": "6", "collapse": false}, { "id": "4982c70359ae6941
","type":"ui group", "name": "Sentiment of
```

Conservation", "tab": "2a8dce641cbeeb9e", "order": 2, "disp" :true, "width": "6", "collapse": false}, { "id": "2a8dce641cbe eb9e", "type": "ui\_tab", "name": "Sentiment Analysis", "icon": "dashboard", "disabled": false, "hidden": false}]