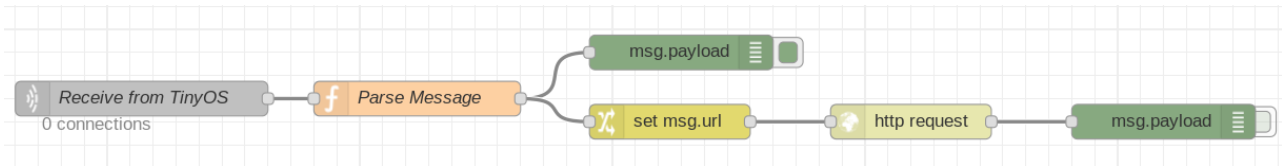


## Node-RED flow



```
[
  {
    "id": "4a2e3c3f.0d3094",
    "type": "tab",
    "label": "Flow 1",
    "disabled": false,
    "info": ""
  },
  {
    "id": "3ec1800a.c3c2f8",
    "type": "tcp in",
    "z": "4a2e3c3f.0d3094",
    "name": "Receive from TinyOS",
    "server": "server",
    "host": "",
    "port": "1234",
    "datamode": "stream",
    "newline": "",
    "topic": "",
    "base64": false,
    "x": 130,
    "y": 260,
    "wires": [
      [
        "51bcf877.7747c8"
      ]
    ]
  },
  {
    "id": "51bcf877.7747c8",
    "type": "function",
    "z": "4a2e3c3f.0d3094",
    "name": "Parse Message",
    "func": "var bufferArray = msg.payload; // Assuming msg.payload
contains the buffer array\n\n// Convert the array into a buffer
object\nvar buffer = Buffer.from(bufferArray);\nvar topic =
\"field\"+(buffer[4]+1);\n\nvar value = buffer[3];\n// node.warn(topic+\"
value: \" + value);\nvar urlArray = [];\n\nnewUrl =
\"https://api.thingspeak.com/update?api_key=7GD113CORBW4HZ56&\"+topic+\"=
\"+value;\nmsg.newUrl = newUrl;\nnode.warn(msg.newUrl);\nreturn
msg;\n\n\n\n\n\n\n",
    "outputs": 1,
  }
]
```

```

    "noerr": 0,
    "x": 410,
    "y": 260,
    "wires": [
      [
        "c4d9a621.5495a8",
        "ed31ebd3.72c75"
      ]
    ]
  },
  {
    "id": "c4d9a621.5495a8",
    "type": "debug",
    "z": "4a2e3c3f.0d3094",
    "name": "",
    "active": false,
    "tosidebar": true,
    "console": false,
    "tostatus": false,
    "complete": "payload",
    "x": 620,
    "y": 220,
    "wires": []
  },
  {
    "id": "ed31ebd3.72c75",
    "type": "change",
    "z": "4a2e3c3f.0d3094",
    "name": "",
    "rules": [
      {
        "t": "set",
        "p": "url",
        "pt": "msg",
        "to": "newUrl",
        "tot": "msg"
      }
    ],
    "action": "",
    "property": "",
    "from": "",
    "to": "",
    "reg": false,
    "x": 610,
    "y": 300,
    "wires": [
      [
        "ba70edf6.2ec73"
      ]
    ]
  }

```

```
]
},
{
  "id": "ba70edf6.2ec73",
  "type": "http request",
  "z": "4a2e3c3f.0d3094",
  "name": "",
  "method": "GET",
  "ret": "txt",
  "url": "",
  "tls": "",
  "x": 810,
  "y": 300,
  "wires": [
    [
      "151534f9.b8c003"
    ]
  ]
},
{
  "id": "151534f9.b8c003",
  "type": "debug",
  "z": "4a2e3c3f.0d3094",
  "name": "",
  "active": false,
  "tosidebar": true,
  "console": false,
  "tostatus": false,
  "complete": "payload",
  "x": 1000,
  "y": 300,
  "wires": []
}
]
```