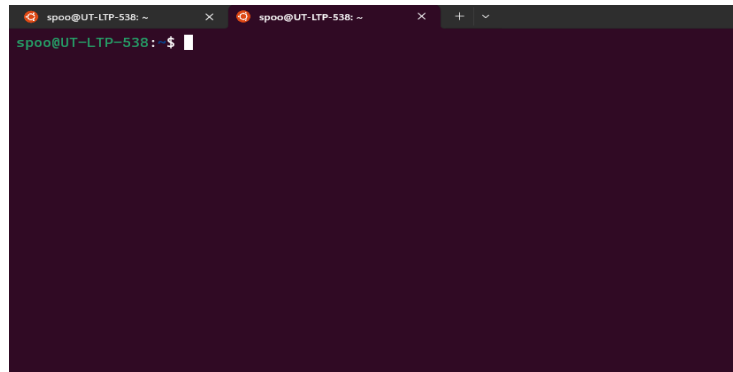


1. Install the wsl2 on windows machine.
2. Open the Terminal



3. Create a directory

mkdir sample

Here, “**sample**” is the directory name



4. Navigate to the “**sample**” directory

cd sample



5. Download Nats by running the below command

wget <https://github.com/nats-io/natscli/releases/download/v0.1.1/nats-0.1.1-amd64.deb>

6. Install Nats

- Install the nats using the below command

sudo dpkg -i nats-0.1.1-amd64.deb

7. Add context

- To Add context, run the below command.

nats context add <context name>--description "<description>"

Ex: nats context add samapp --description "samapp"

- You will see the NATS Configuration Context “Samapp”, with URL and path details

```
spoo@UT-LTP-538:~/sample$ nats context add samapp --description "samapp"
NATS Configuration Context "samapp"

Description: samapp
Server URLs: nats://127.0.0.1:4222
Path: /home/spoo/.config/nats/context/samapp.json
```

8. Copy path

copy path from the above description.

Copy the path: /home/spoo/.config/nats/context/samapp.json

9. Update context

- To update the context, run the below command

nano /home/spoo/.config/nats/context/samapp.json

```
spoo@UT-LTP-538:~/sample$ nano /home/spoo/.config/nats/context/samapp.json
```

```
GNU nano 6.2 /home/spoo/.config/nats/context/samapp.json
{
  "description": "samapp",
  "url": "nats://127.0.0.1:4222",
  "token": "",
  "user": "",
  "password": "",
  "creds": "",
  "user": "",
  "cert": "",
  "key": "",
  "cert": "",
  "key": "",
  "cert": "",
  "key": "",
  "cert": "",
  "key": "",
  "cert": "",
  "key": ""
}

[ Read 20 lines ]
Help      Write Out  Where Is   Cut        Read 20 lines
Exit      Read File  Replace    Paste      Undo
          Read File  Replace    Paste      Undo
          Read File  Replace    Paste      Undo
```

- Here, we must set **URL, cert, key, ca. Paths**

"url": Application url with open port

"cert": "certification file of cert",

"key": "certification file of key",

"ca": "certification file of ca",

Example:

"url": [tls://utthunga:secure_password@app.sesuite.io:4222](https://utthunga:secure_password@app.sesuite.io:4222),

"cert": "/home/spoo/.config/nats/lite-crt 1.pem",

"key": "/home/spoo/.config/nats/lite-key 1.pem",

"ca": "/home/spoo/.config/nats/fullchain 1.pem",

Save the configuration. [ctrl + x]

```
GNU nano 6.2 /home/spoo/.config/nats/context/samapp.json
{
  "description": "samapp",
  "url": "tls://utthunga:secure_password@app.sesuite.io:4222",
  "socks_proxy": "",
  "token": "",
  "user": "",
  "password": "",
  "creds": "",
  "nkey": "",
  "cert": "/home/spoo/.config/nats/lite-crt 1.pem",
  "key": "/home/spoo/.config/nats/lite-key 1.pem",
  "ca": "/home/spoo/.config/nats/fullchain 1.pem",
  "nsc": "",
  "jetstream_domain": "",
  "jetstream_api_prefix": "",
  "jetstream_event_prefix": "",
  "inbox_prefix": "",
  "user_jwt": "",
  "color_scheme": ""
}
```

- Run the below command, to select the created context

nats context select samapp

```
spoo@UT-LTP-538:~$ nats context select samapp
NATS Configuration Context "samapp"

Description: samapp
Server URLs: tls://utthunga:secure_password@app.sesuite.io:4222
Certificate: /home/spoo/.config/nats/lite-crt 1.pem (OK)
Key: /home/spoo/.config/nats/lite-key 1.pem (OK)
CA: /home/spoo/.config/nats/fullchain 1.pem (OK)
Path: /home/spoo/.config/nats/context/samapp.json

spoo@UT-LTP-538:~$
```

10. Publish Message

- Before publishing the data, configure the Asset Type, Property and Instance on sesuite app “*Refer the Sesuit user manual to create the asset configurations*”.
- **message format:**
- nats pub EDGES.data '{"transactionID":"1706006947046","publishDT":"2024-01-24T16:20:37.419117500Z","deviceId":6,"assets":[{"assetID":"*Instance_ID*","propertyID":"*Property_ID*","tenantID":"*Tenant_ID*","readDT":"1706006947046","value":26.7138}]}'
- In the above message format, replace the *<Instance_ID>* with the Asset instance ID,

<Property_ID> with the Property ID, present in Asset Type

<Tenant_ID> with the Tenant ID. present in user

Add the data values

Example:

```
nats pub EDGES.data '{"transactionID":"1706006947046","publishDT":"2024-01-24T16:20:37.419117500Z","deviceId":6,"assets":[{"assetID":"046a0ef1-a61f-45ca-b9bf-3f53edc4fe9a","propertyID":"91e6d627-aa96-4a34-b484-e67dbf8d9a0b","tenantID":"4f8bcbb7-3dda-41ba-b4d3-a1139bcea288","readDT":"1706006947046","value":26.7138}]}'
```

11. run the below command to publish the data

nats pub EDGES. data '{<data message>}'

Ex : nats pub EDGES.data

```
'{"transactionID":"1706006947046","publishDT":"2024-01-24T16:20:37.419117500Z","deviceId":6,"assets":[{"assetID":"046a0ef1-a61f-45ca-b9bf-3f53edc4fe9a","propertyID":"91e6d627-aa96-4a34-b484-e67dbf8d9a0b","tenantID":"4f8bcbb7-3dda-41ba-b4d3-a1139bcea288","readDT":"1706006947046","value":26.7138}]}'
```



```
spoo@UT-LTP-538: $ nats pub EDGES.data '{"transactionID":"1706006947046","publishDT":"2024-01-24T16:20:37.419117500Z","deviceId":6,"assets":[{"assetID":"b5ecbe10-223b-4971-8453-57f205d73c46","propertyID":"73b7033b-77f3-4bf4-b7e0-82bae87c4f29","tenantID":"4f8bcbb7-3dda-41ba-b4d3-a1139bcea288","readDT":"1706006947046","value":38.7138}]}'
```

12. open the duplicate tab and run the below command

nats sub EDGES.data

You will see the **published data** here.

```
spoo@UT-LTP-538:~$ nats sub EDGES.data
14:54:43 Subscribing on EDGES.data
[#1] Received on "EDGES.data" with reply "_INBOX.rTzAig7p6y5y1yNySgpEPI.rTzAig7p6y5y1yNyShASUG"
Nats-Msg-Id: d040e572b5f7f904cd3344ebe8a709539a66a5c4b50180a91a1abd91c745c8b5
Nats-Expected-Stream: EDGES
```

13. Login to Sesuit

14. Create the Dashboard and Widgets to see the data

To create the dashboard and widgets *“refer the sesiute user manual”*

You will see the ingestion data on the dashboard

