Apache ActiveMQ Artemis (a JMS Provider)

1. Downloading the file

➢ Search in the browser like "apache activemq artemis" and go to download section
Or, https://activemq.apache.org/components/artemis/download/.

➢ Download the latest version, tar.gz, (**2.12.0 released on 29 Apr,2020**).
➢ Unzip it (We can unzip it anywhere in the directory).
➢ It will have following folders and some files:
1. **bin, examples, lib, schema, web, notice etc.**
2. But now, for next step, **bin** is the important folder.
3. Because, this folder will be used for creating our **broker**.
4. A broker will be our **JMS Provider** or simply Server.

2. Creating the broker i.e JMS Provider

➢ Through terminal, go inside the **bin** folder.
Make sure , you are inside of that bin folder.

➢ Command to create the broker :

/apache-artemis-2.12.0/bin$ **./artemis create** /path/**broker_name**

eg. /bin$ **./artemis create** /Users/Rahul/Documents/myBroker

➢ If we omit the path, it will be created inside of that bin (and its ok).
/bin$ **./artemis create** myBroker

➢ It will create the ActiveMQ Artemis instance ie broker, and it will ask to provide default username and password for it. (keep remember these things)

➢ It will ask for 'allow anonymous access', you can choose among Y,N,True, False. (Choose Y, if there is no security issue)

➢ We can create multiple brokers and delete them.

➢ After all of the this, a **folder** will be created (at the specified location ie path or inside of that bin, if you have omitted the path) having the **name** of the broker i.e. **myBroker** (say).

• It will have folders **like bin, data, etc, lib, lock, log, tmp.**
• **Again bin is the important folder here.**

3. Starting or Running the broker

➢ Navigate to the bin folder of the created broker ie myBroker
➢ Make sure , you are inside of it.
➢ Run the command as :
myBroker/bin$ **./artemis run**

➢ Following thing should happen.

4. Confirming , broker is running or not

```
2019-02-13 12:01:38,656 INFO  [org.apache.activemq.artemis] AMQ241004: Artemis Console available at http://localhost:8161/console
```

Go to browser and type the url http://localhost:8161/console.
You will see the artemis console or window.