**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.
5. **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

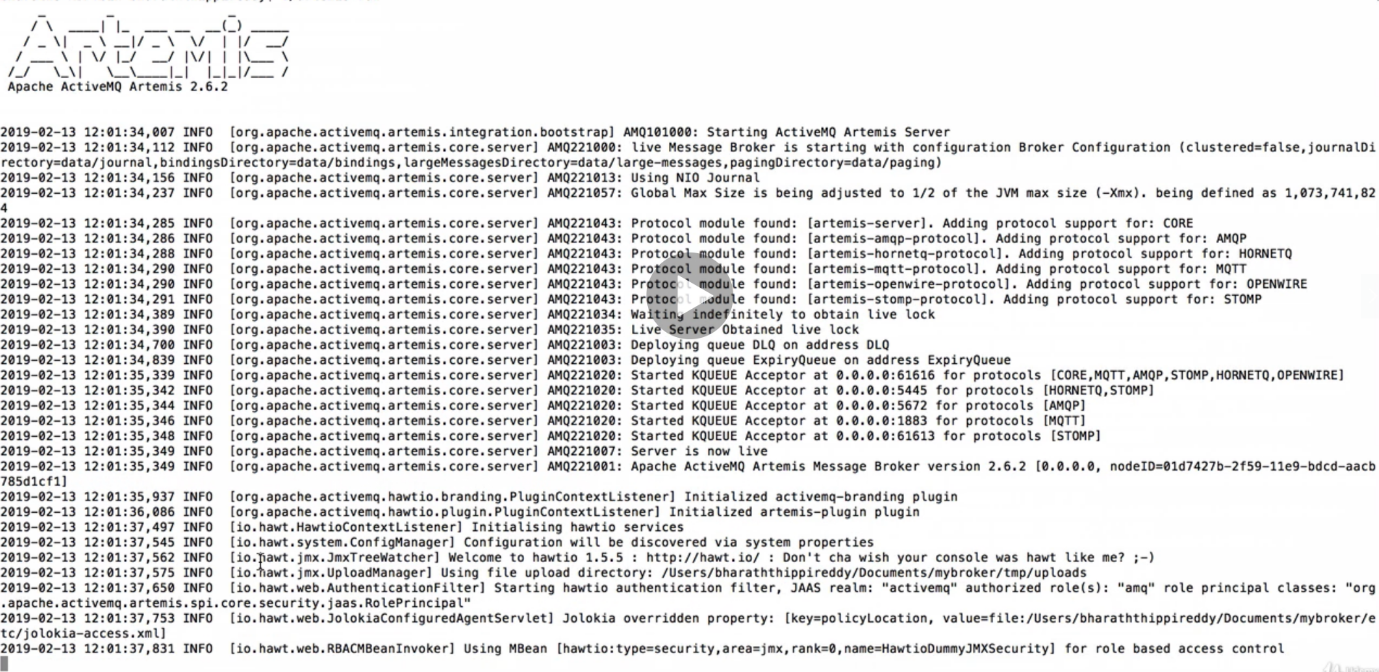
* It will create the ActiveMQ Artemis instance ie broker, and it will ask to provide default username and password for it. (keep remember these things)
* It will ask for ‘allow anonymous access’, you can choose among Y,N,True, False. (Choose Y, if there is no security issue)
* We can create multiple 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.**

1. **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.



1. **Confirming , broker is running or not**



Go to browser and type the url <http://localhost:8161/console>.

You will see the artemis console or window.

