

Establish Secure Gateway between Bluemix & On-Prem using DOCKER

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Purpose:

In order to access your systems of records located in on-Prem secured zone from Bluemix it is recommended to establish a gateway using secure gateway service provisioned in Bluemix.

A secure gateway between Bluemix and On-Prem systems can be established using a *Secure Gateway Installation* file or by using *IBM DataPower Gateways* and also by using *Docker*.

In this document it is described how to establish a secure connection using ***Docker***.

Step1 :

Install docker on your local windows/Linux machine

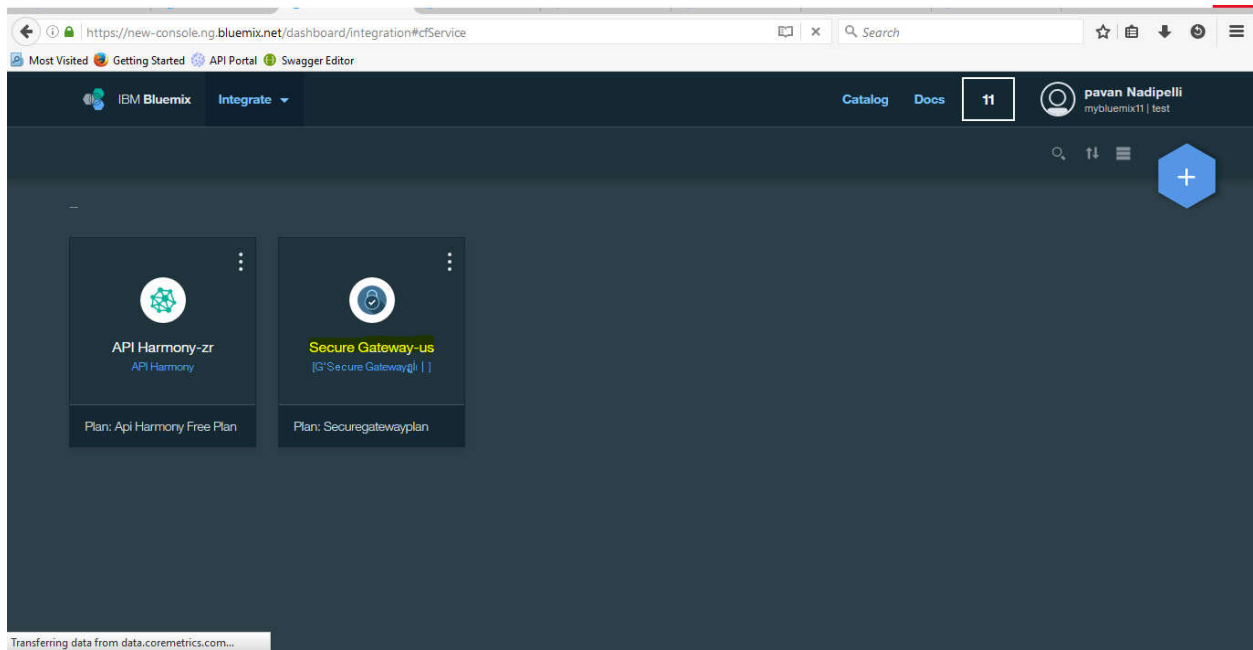
Useful links: <https://docs.docker.com/engine/installation/>

Step 2:

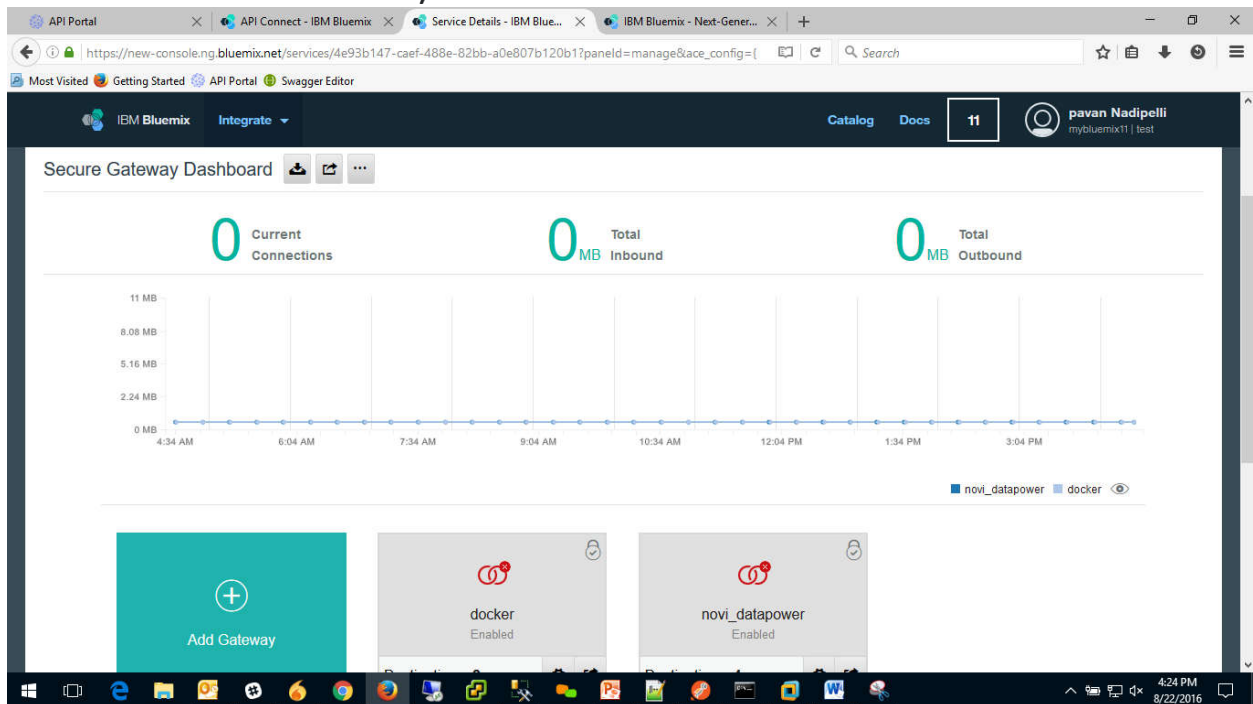
- Create a Bluemix account using below link

https://console.ng.bluemix.net/registration/?cm_sp=HeaderNavigation--HomePage--SignUp

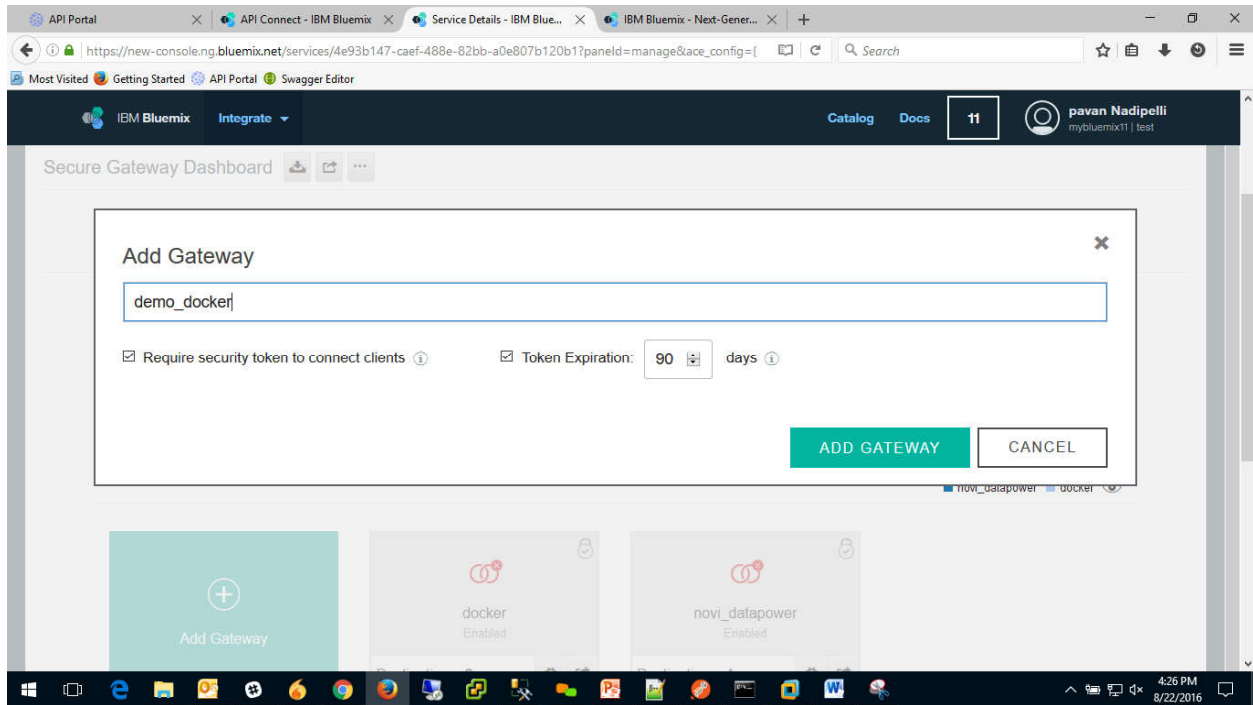
- If you already have an account please login into Bluemix. And select and create secure gateway service under Integration tab.
- Open secure gateway service.



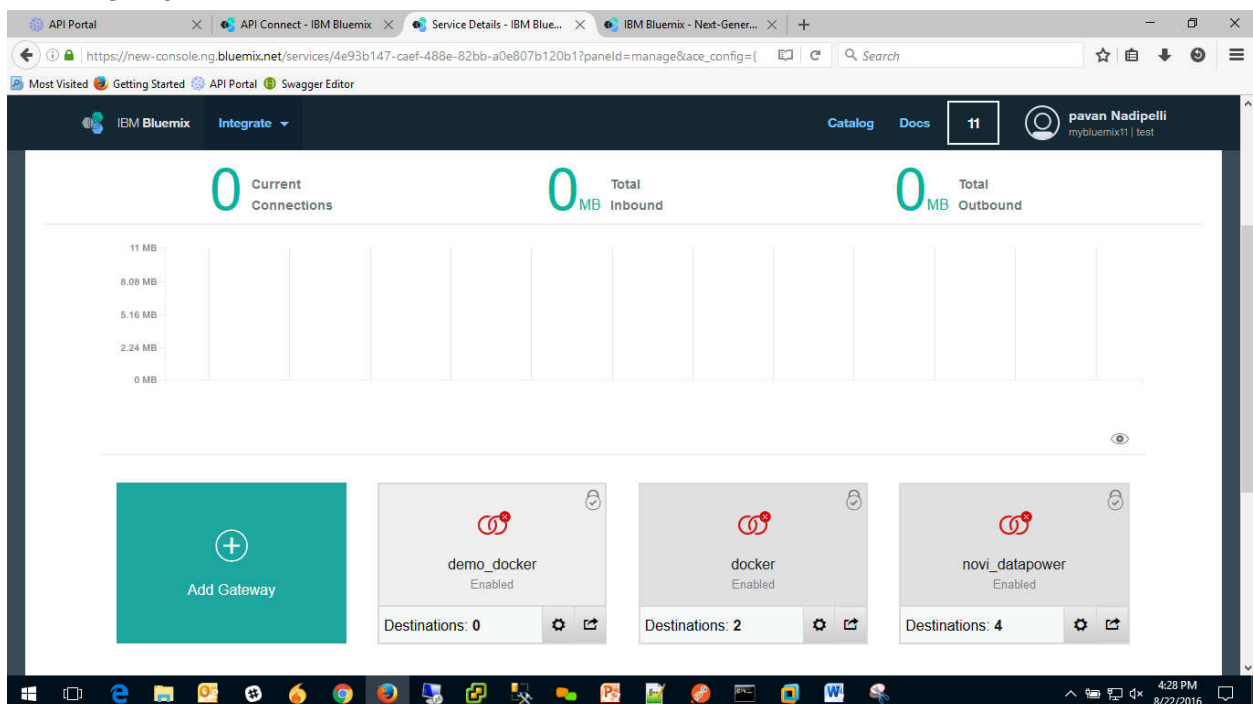
- Click on Add Gateway



- Give it a name and click ADD GATEWAY



- Now you can see a new gateway is added with 'demo_docker' name. click on it.




```
ylsInJlZ2lvbil6InVzLXNvdXRoliwiaWF0ljoXNDcxODg3NjA0LCJleHAiOjE0Nzk2NjM2MDR9.g-  
FLTzbU8vRCKiqLLObp5jpTJ3jfO6FcGhekTS3yE9M
```

```
Unable to find image 'ibmcom/secure-gateway-client:latest' locally  
Trying to pull repository docker.io/ibmcom/secure-gateway-client ...  
latest: Pulling from docker.io/ibmcom/secure-gateway-client
```

```
6fd1c5075c0a: Pull complete  
5ab429cc7c71: Pull complete  
be3a4724bdf: Pull complete  
998426d0362f: Pull complete  
a3ed95caeb02: Pull complete  
Digest: sha256:2d2f097ec89c35e41f37739572c0b61ff7186bde6c80993320733ab2e62eb044  
Status: Downloaded newer image for docker.io/ibmcom/secure-gateway-client:latest  
IBM Bluemix Secure Gateway Client Version 1.5.1
```

```
*****  
*****
```

You are running the IBM Secure Gateway Client for Bluemix. When you enter the provided docker command the IBM Secure Gateway Client for Bluemix automatically downloads as a Docker image and is executed on your system/device. This is released under an IBM license. The license agreement for IBM Secure Gateway Client for Bluemix is available at the following location:

<http://www.ibm.com/software/sla/sladb.nsf/lilookup/986C7686F22D4D3585257E13004EA6CB?OpenDocument>

Your use of the components of the package and dependencies constitutes your acceptance of this license agreement. If you do not want to accept the license, immediately quit the container by closing the terminal window or by entering 'quit' followed by the ENTER key. Then, delete any pulled Docker image from your device.

For client documentation, please view the ReadMe located at:

.rpm and .deb installers: /opt/ibm/securegateway/docs/

.dmg installer: <installation location>/ibm/securegateway/docs/

.exe installer: <installation location>\Secure Gateway Client\ibm\securegateway\docs\

```
*****  
*****
```

<press enter for the command line>

```
[2016-08-22 15:27:38.657] [INFO] (Client ID 1) No password provided. The UI will not require a password  
for access
```

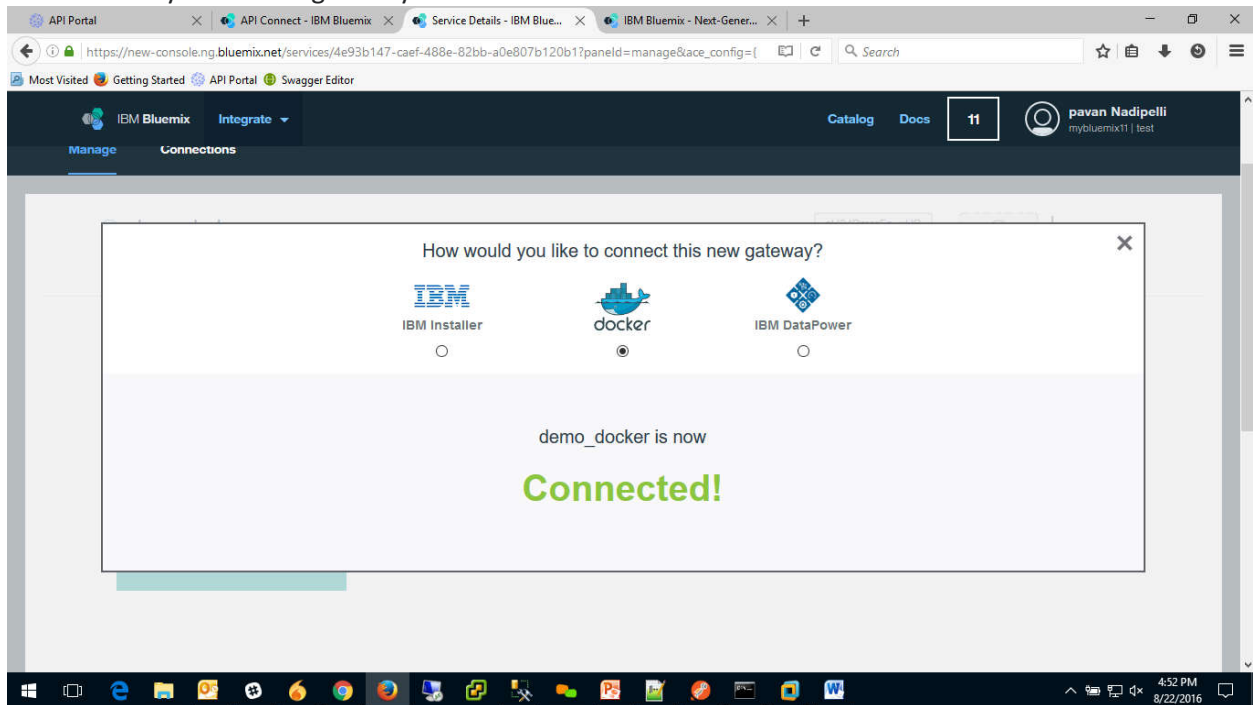
```
[2016-08-22 15:27:38.688] [WARN] (Client ID 1) UI Server started. The UI is not currently password  
protected
```

```
[2016-08-22 15:27:38.689] [INFO] (Client ID 1) Visit localhost:9003/dashboard to view the UI.
```

```
[2016-08-22 15:27:39.007] [INFO] (Client ID 13) Setting log level to INFO
```

[2016-08-22 15:27:40.284] [INFO] (Client ID 13) The Secure Gateway tunnel is connected
[2016-08-22 15:27:40.490] [INFO] (Client ID AilgfqU0LCD_yh6) Your Client ID is AilgfqU0LCD_yh6
AilgfqU0LCD_yh6>
----->

- Now your secure gateway should be connected



Now you can add destinations as normal. And use them in your Bluemix applications.

Thanks.