Walkthrough for SRv6 delay monitoring with EveryWAN

Deploy EveryWAN following the instructions reported here: https://github.com/everywan-io/everywan-deployment

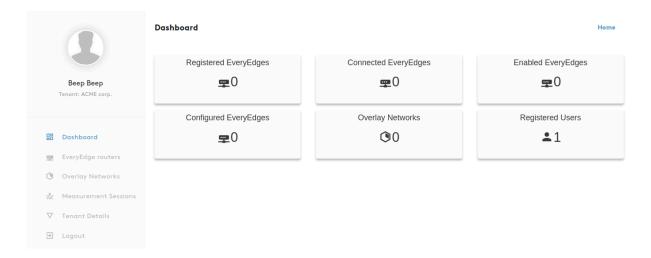
Then, log in to the EveryWAN GUI:

EVERYWA	N
Domain	
Insert your domain	
Username	
Insert your username	
Password	
Choose a password	
Register	
Password forgotten?	

Click on Register and follow the instructions to create a new account.

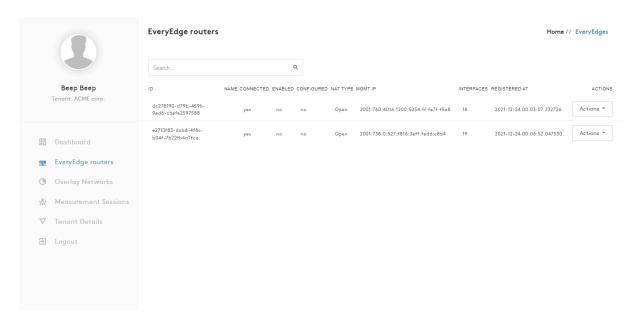
Then, log in using wer credentials.

After completing the login, we will be redirected to the dashboard of EveryWAN:

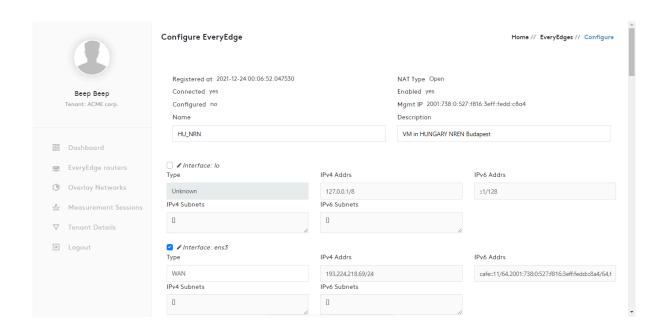


As we can see from the dashboard, initially there are no EveryEdge Devices registered to the system.

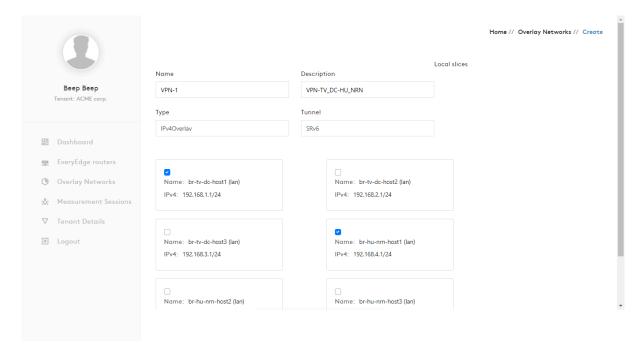
Start the EveryEdge software. After the initialization phase, the EveryEdge devices automatically register and authenticate to the EveryWAN system. From the *EveryEdge routers* section of the GUI, it is possible to see the new routers:



Both the devices are connected but they are not yet configured and enabled. From the GUI we can configure the two devices. You can set the device name and description and we can set the network interfaces to be controlled using EveryWAN. For each interface, we can set the type (i.e. whether it is a WAN interface or a LAN interface) and we can set the IP address.

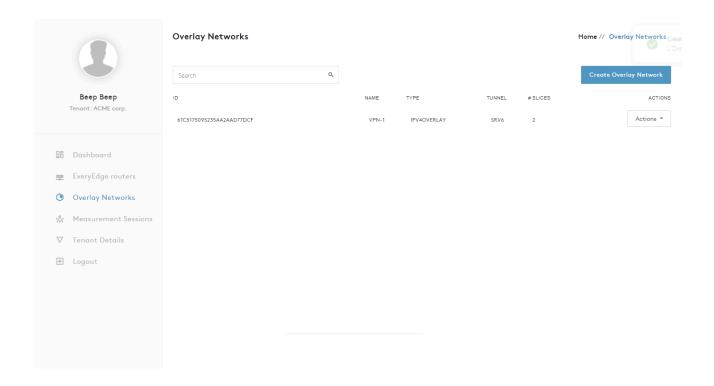


After configuring and enabling the devices, we can create an overlay VPN between two routers (e.g., TV_DC and HU_NRN):



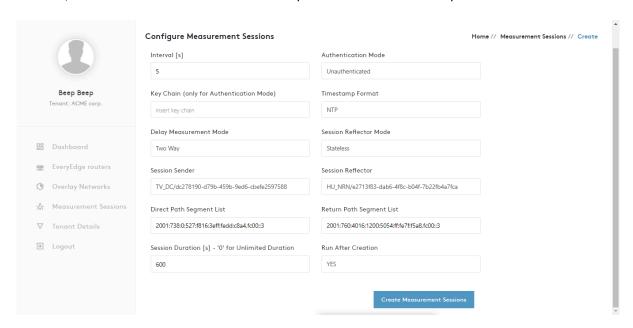
Through the GUI we can also specify the local slices that we want to connect using the overlay VPN. In the scenario shown above we are connecting the slice associated to the interface br-tv-dc-host1 on TV_DC to the slice mapped to the interface br-hu-nrn-host1 on HU_NRN.

The new overlay appears in the Overlay Networks section of the GUI:

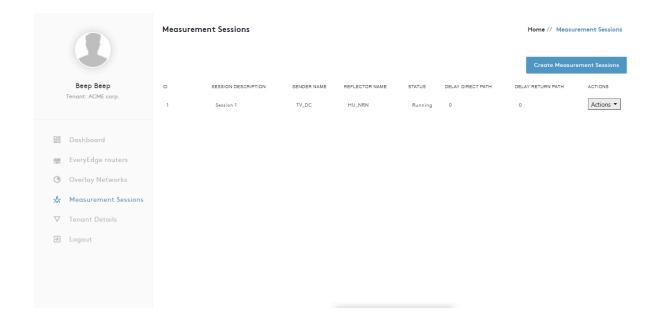


Finally, we can run a STAMP Session to monitor the delay of the overlay network in real-time.

To do this, we access the Measurement Session page of the GUI and we create a STAMP Session between TV_DC and HU_NRN. The GUI allows to set several parameters of the experiment to be run, such as the duration, the interval between two STAMP test packets and the timestamp format to be used:



The Measurement Sessions page shows the newly created STAMP Session.



Finally, we can see the results the measured delays for both the direct and return paths:

