Guide

1. Enter the command: git clone <https://github.com/fattokh/ExaBGP_test.git>
2. cd ExaBGP\_test/ and run bash file using “bash run.bash”
   1. Enter the following command:

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| cd /home/user/ExaBGP\_test  curl -L "https://www.dropbox.com/scl/fi/86b0njiz79wz6f46505po/exa.tar.gz?dl=0&rlkey=33hvy6x7n1dci4op5qlvhoid6" > exa.tar.gz  curl -L "https://www.dropbox.com/scl/fi/r0j7b6ih7h1fheczp5a3n/frr.tar.gz?dl=0&rlkey=330ix39vt2ccbsovsgqzb70ix" > frr.tar.gz  sudo apt install net-tools  pip install exabgp  sudo apt-get install debootstrap  cd /home/user/ExaBGP\_test  python3 exa.py TB  lxc list |

* 1. Or simply run bash file using “bash run.bash”

1. Configure ExaBGP, enter “lxc exec TB-exa bash”, configure “ip address add 10.0.0.1/30 dev eth0”. vim exabgp.conf

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| neighbor 10.0.0.2 {  router-id 10.0.0.1;  local-address 10.0.0.1;  local-as 42000;  peer-as 42001  api services {  processes [ announce-routes ];  }  }  process announce-routes {  encoder text;  run python3 /home/user/ExaBGP\_test/exa/bgp.py;  } |

* 1. Replace bgp.py with

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| #!/usr/bin/env python3  import sys  import time  import struct  import socket  messages = []  messages.append('announce route 10.1.0.0/30 next-hop self')  messages.append('announce route 10.2.0.0/30 next-hop self')  messages.append('announce route 10.3.0.0/30 next-hop self')  for message in messages:  sys.stdout.write(message + '\n')  sys.stdout.flush()  while True:  time.sleep(1) |

1. Configure TB-frr-0
   1. Enter these configurations

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1. Configure TB-frr-1

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1. Create exabgp.in and exabgp.out by entering : mkdir run, mkfifo /root/run/exabgp.{in,out} .Run **exabgp exabgp.conf** on TB-exa
2. Check if renounce ment works. After that , add ip prefix list and route -map to permit esq1 1-