Enabling eBPF Super Powers on ARM64 with Cilium



Jianlin Lv

Trevor Tao

Preface







(-) Alibaba Cloud











Trip.com

Arm ecosystem of CNI













Support Arm64

- Cilium enable on aarch64
 - https://github.com/cilium/cilium/issues/9898
 - Fix compiling and runtime issue on Arm64;
 - Multi-arch support for cilium-related images
 - CI/CD
 - Travis
 - Unit test

Travis CI

- Arm64 Full VM
 - arm64-graviton2

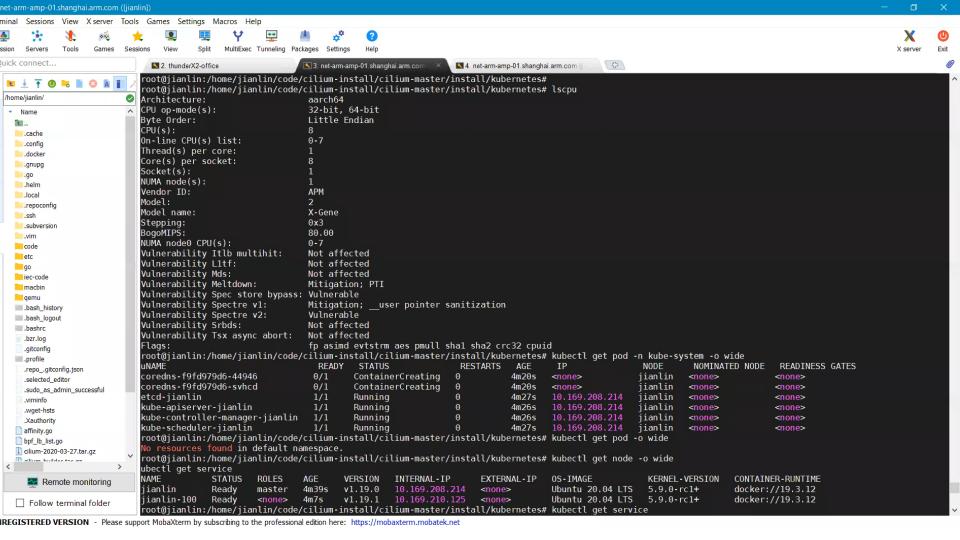


- Refer to:
 - https://docs.travis-ci.com/user/multi-cpu-architectures
 - https://github.com/cilium/cilium/pull/13033

Docker Images

Github Action + Docker Buildx

- Issue
 - https://github.com/cilium/proxy/runs/1250471418



Future Work

Cilium benchmark on Arm64

Enable End-To-End Testing

Cilium Channel for Arm64

https://cilium.slack.com/archives/C0125S9TQD8





Thank You Danke Merci 谢谢 ありがとう Gracias Kiitos 감사합니다 धन्यवाद תודה