一、注入插件支持

在x86服务器上注入qemu

docker run --rm --privileged multiarch/qemu-user-static:register --reset

```
1 [root@ops ~]# docker run --rm --privileged multiarch/qemu-user-static:reg
ister --reset
2 Unable to find image 'multiarch/qemu-user-static:register' locally
3 register: Pulling from multiarch/gemu-user-static
4 ee153a04d683: Pull complete
5 84cc22363d00: Pull complete
6 96aa3d7b9b30: Pull complete
7 8d669bf48302: Pull complete
8 Digest: sha256:c77eb2da3597aa370f07ef970e2e0adf155172eb9d3c40e43d97aa43ee
f6b0c9
9 Status: Downloaded newer image for multiarch/qemu-user-static:register
10 Setting /usr/bin/qemu-alpha-static as binfmt interpreter for alpha
11 Setting /usr/bin/qemu-arm-static as binfmt interpreter for arm
12 Setting /usr/bin/qemu-armeb-static as binfmt interpreter for armeb
13 Setting /usr/bin/qemu-sparc32plus-static as binfmt interpreter for sparc
32plus
14 Setting /usr/bin/qemu-ppc-static as binfmt interpreter for ppc
15 Setting /usr/bin/qemu-ppc64-static as binfmt interpreter for ppc64
16 Setting /usr/bin/qemu-ppc64le-static as binfmt interpreter for ppc64le
17 Setting /usr/bin/qemu-m68k-static as binfmt interpreter for m68k
18 Setting /usr/bin/qemu-mips-static as binfmt interpreter for mips
19 Setting /usr/bin/qemu-mipsel-static as binfmt interpreter for mipsel
20 Setting /usr/bin/qemu-mipsn32-static as binfmt interpreter for mipsn32
  Setting /usr/bin/qemu-mipsn32el-static as binfmt interpreter for mipsn32
21
el
22 Setting /usr/bin/qemu-mips64-static as binfmt interpreter for mips64
23 Setting /usr/bin/qemu-mips64el-static as binfmt interpreter for mips64el
24 Setting /usr/bin/qemu-sh4-static as binfmt interpreter for sh4
25 Setting /usr/bin/qemu-sh4eb-static as binfmt interpreter for sh4eb
26 Setting /usr/bin/qemu-s390x-static as binfmt interpreter for s390x
27 Setting /usr/bin/qemu-aarch64-static as binfmt interpreter for aarch64
28 Setting /usr/bin/qemu-aarch64_be-static as binfmt interpreter for aarch6
4_be
29 Setting /usr/bin/qemu-hppa-static as binfmt interpreter for hppa
30 Setting /usr/bin/qemu-riscv32-static as binfmt interpreter for riscv32
```

```
31 Setting /usr/bin/qemu-riscv64-static as binfmt interpreter for riscv64
32 Setting /usr/bin/qemu-xtensa-static as binfmt interpreter for xtensa
33 Setting /usr/bin/qemu-xtensaeb-static as binfmt interpreter for xtensaeb
34 Setting /usr/bin/qemu-microblaze-static as binfmt interpreter for microblaze
35 Setting /usr/bin/qemu-microblazeel-static as binfmt interpreter for microblazeel
36 Setting /usr/bin/qemu-or1k-static as binfmt interpreter for or1k
```

二、运行,有两种方法

方法1

下载gemu的二进制文件

https://github.com/multiarch/gemu-user-static/releases

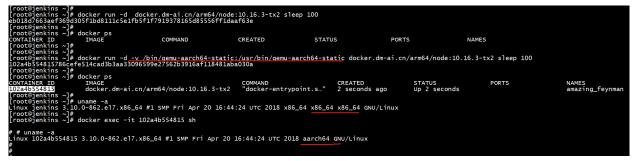


放到x86的服务器上,比如/bin/gemu-aarch64-static

运行程序

docker run -d -v /bin/qemu-aarch64-static:/usr/bin/qemu-aarch64static docker.dm-ai.cn/arm64/node:10.16.3-tx2 sleep 100

一定要加-v挂载到容器。



方法2

可以将gemu-aarch64-static注入镜像中:

Dockerfile可以这样如下形式:

FROM multiarch/qemu-user-static:x86_64-aarch64 as qemu

FROM arm64v8/ubuntu

COPY --from=qemu /usr/bin/qemu-aarch64-static /usr/bin

docker build . -t arm64v8/ubuntu:qemu

docker run -it arm64v8/ubuntu:gemu sh

参考文档: https://github.com/multiarch/qemu-user-static

未来可以使用docker的新功能,直接打包支持arm架构的镜像, 参考:

https://yq.aliyun.com/articles/712584 https://github.com/docker/buildx