# 测试总结

- 从开始创建pod到启动wasm instance(不含拉取镜像)的总时长(包含创建、启动pod,创建、启动wasm instance)
  - 原containerd+runwasi: 320.06ms
  - 改造后containerd+runwasi: 286.98ms

# 改造后containerd+runwasi

### 性能测试结果

• 平均286.98ms

```
root@VM-0-11-ubuntu:~# awk '{ sum += $1 } END { printf("%.2f\n", sum/NR) }' /root/data/raw/boot-serial-wasm-time.dat
286.98
```

```
root@VM-0-11-ubuntu:~# cat /root/data/raw/boot-serial-wasm-time.dat
614
252
251
238
230
243
233
237
252
244
```

## 改造后containerd+runwasi

#### 性能测试脚本内容

wasmtests/benchmark/boot-serial-wasm-time.sh

```
cat > $workdir/json/container/container_$i.json << EOF

{
    "metadata": {
        "name": "testwasm",
        "namespace": "k8s.io"
},
    "image": {
        "image": "wasi-demo-app",
        "annotations": {
            "wasm.module.url": "https://raw.githubusercontent.com/Youtirsin/wasi-demo-apps/main/wasi-demo-app.wasm",
            "wasm.module.filename": "wasi-demo-app.wasm"
            }
        },
        "command": [
            "wasi-demo-app.wasm", "daemon"
],
        "log_path":"wasm.log",
        "linux": {
        }
}
EOF</pre>
```

```
cat > $workdir/json/pod/pod_$i.json <<EOF

{
    "metadata": {
        "name": "test-sandbox$i",
        "namespace": "k8s.io",
        "attempt": 1,
        "uid": "hdishd83djaidwnduwk28bcsb"
    },
    "log_directory": "/tmp",
    "linux": {
    }
}</pre>
```

## 改造后containerd+runwasi

#### 性能测试脚本内容

wasmtests/benchmark/boot-serial-wasm-time.sh

## 原containerd+runwasi

### 性能测试结果

• 320.06ms

```
root@VM-0-11-ubuntu:~# awk '{ sum += $1 } END { printf("%.2f\n", sum/NR) }' /root/data/raw/boot-serial-runwasi-wasm-time.dat
320.06
```

```
root@VM-0-11-ubuntu:~# cat /root/data/raw/boot-serial-runwasi-wasm-time.dat
827
294
304
317
260
313
268
307
314
```

# 问题

- runwasi编译的wasmedge shim可能会出现问题,目前只有之前编译好的一个 shim能正常使用,后续编译的都不能正常使用;
  - /proc/exec/fdxx closed,不能正常输出结果