

ZOD EDGE TESTING

What is this testing?

Running the docker on the linux platform and so that identify the errors when deploying the vm ware on the system.

LOGS:

```
This message is shown once a day. To disable it please create the
/home/beyond7/.hushlogin file.
beyond7@BLAPTOP-PSCH0802:~$
beyond7@BLAPTOP-PSCH0802:~$ ls
beyond7@BLAPTOP-PSCH0802:~$ ls
beyond7@BLAPTOP-PSCH0802:~$ cd
beyond7@BLAPTOP-PSCH0802:~$ mkdir hello
beyond7@BLAPTOP-PSCH0802:~$ ls
hello
beyond7@BLAPTOP-PSCH0802:~$ rm hello/
rm: cannot remove 'hello/': Is a directory
beyond7@BLAPTOP-PSCH0802:~$ rmdir hello/
beyond7@BLAPTOP-PSCH0802:~$ ls
beyond7@BLAPTOP-PSCH0802:~$
beyond7@BLAPTOP-PSCH0802:~$ curl -H "Content-Type: application/json" \
  -H "Authorization: Zod58 2LFzdfZekvD2qc5S8dF689CV1srp5vXlFcaM20K1RjT5LmWuYznfSK9QdxCUu3sAnNzuZL7R9brdxSGCB1H811ZPPQ8hiireHfStARUJPCc6sJZLmmZnnffAwKysTQkc66SRtdyfQ81P67MrZDMzNEdJkP66S8ac5mp973PygWfdy3panjqao7TM69eemKVxoX9k1epuCXlswCQhYoeZhkf6wBLuPpa24gHAP4ab5ZV6LDdTxQDa7XS4TPGHFvzyP616nfSjwziUeqRit2kaZBRRV1LEBfh" \
  -X POST https://offchain.zod.tv/job_new -d @- << EOF
{
  "type": "docker",
  "path": "hello-world",
  "cpu": 2,
  "ram": 4,
  "disk": 30
}
EOF
beyond7@BLAPTOP-PSCH0802:~$ curl -H "Content-Type: application/json" -H "Authorization: Zod58 2LFzdfZekvD2qc5S8dF689CV1srp5vXlFcaM20K1RjT5LmWuYznfSK9QdxCUu3sAnNzuZL7R9brdxSGCB1H811ZPPQ8hiireHfStARUJPCc6sJZLmmZnnffAwKysTQkc66SRtdyfQ81P67MrZDMzNEdJkP66S8ac5mp973PygWfdy3panjqao7TM69eemKVxoX9k1epuCXlswCQhYoeZhkf6wBLuPpa24gHAP4ab5ZV6LDdTxQDa7XS4TPGHFvzyP616nfSjwziUeqRit2kaZBRRV1LEBfh" -X POST https://offchain.zod.tv/job_new -d @- << EOF
{
  "type": "docker",
  "path": "hello-world",
  "cpu": 2,
  "ram": 4,
  "disk": 30
}
EOF
{"error": "ok", "uuid": "05v7p8mt249mg36qpg87t0qppc"}beyond7@BLAPTOP-PSCH0802:~$
beyond7@BLAPTOP-PSCH0802:~$
```

Docker is successfully deployed within few seconds. No latency.

Verified with zodtv/compute site,

The screenshot shows the ZodTV web interface. The top navigation bar includes links for Network, Market, Live, Transcode, Transcode Creator, URL Debugger, Compute (which is highlighted), Compute Creator, and Farm. Below the navigation bar, there's a section for 'API Docs'. The main content area is divided into two panels. The left panel, titled 'CONFIG JSON', displays a JSON configuration for a Docker container:

```
{
  "type": "docker",
  "path": "hello-world",
  "cpu": 2,
  "ram": 4,
  "disk": 30
}
```

. The right panel, titled 'LOG', shows the output of the Docker deployment:

```
Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
   (amd64)
3. The Docker daemon created a new container from that image which runs the
   executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
   to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/
```

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```
EOF
{"error": "ok", "uid": "05v7p8mt249mg36qpg87t9qpc"}beyond7@LAPTOP-PSCH0B02:~$
beyond7@LAPTOP-PSCH0B02:~$ curl -H "Content-Type: application/json" -H "Authorization: Zod58 2LFzdfZekv02qC5S8dF689CV1srpSvXLIcM2DK1RjT5LmWuYznfSKMqdxUu3sAnNzuZL7R9brdixSGCB1HB13ZfQ8hiereMfSTARUJPCG6sJZLmZnffAwKysTQkc66SRtdyfQ81P67WzDMzNEdJkP6658ac5mp973PygMfydy3panjqao7TWG9eemVmxXbX1epwCxlSQCQhYoeZhkf6wBLwPpa24gHAP4ab52V6LDdtXQDa7X541PGHFmvzyP616nfSjwziUeqRit2kaZBRRV1LEBfh" -X POST https://offchain.zod.tv/job_new -d @- << EOF
{
  "type": "docker",
  "path": "hello-world",
  "cpu": 4,
  "ram": 4,
  "disk": 30
}
EOF
{"error": "invalid_cpu_ram"}beyond7@LAPTOP-PSCH0B02:~$ curl -H "Content-Type: application/json" -H "Authorization: Zod58 2LFzdfZekv02qC5S8dF689CV1srpSvXLIcM2DK1RjT5LmWuYznfSKMqdxUu3sAnNzuZL7R9brdixSGCB1HB13ZfQ8hiereMfSTARUJPCG6sJZLmZnffAwKysTQkc66SRtdyfQ81P67WzDMzNEdJkP6658ac5mp973PygMfydy3panjqao7TWG9eemVmxXbX1epwCxlSQCQhYoeZhkf6wBLwPpa24gHAP4ab52V6LDdtXQDa7X541PGHFmvzyP616nfSjwziUeqRit2kaZBRRV1LEBfh" -X POST https://offchain.zod.tv/job_new -d @- << EOF
{
  "type": "docker",
  "path": "hello-world",
  "cpu": 4,
  "ram": 4,
  "disk": 30
}
EOF
{"error": "invalid_cpu_ram"}beyond7@LAPTOP-PSCH0B02:~$ curl -H "Content-Type: application/json" -H "Authorization: Zod58 2LFzdfZekv02qC5S8dF689CV1srpSvXLIcM2DK1RjT5LmWuYznfSKMqdxUu3sAnNzuZL7R9brdixSGCB1HB13ZfQ8hiereMfSTARUJPCG6sJZLmZnffAwKysTQkc66SRtdyfQ81P67WzDMzNEdJkP6658ac5mp973PygMfydy3panjqao7TWG9eemVmxXbX1epwCxlSQCQhYoeZhkf6wBLwPpa24gHAP4ab52V6LDdtXQDa7X541PGHFmvzyP616nfSjwziUeqRit2kaZBRRV1LEBfh" -X POST https://offchain.zod.tv/job_new -d @- << EOF
{
  "type": "docker",
  "path": "hello-world",
  "cpu": 1,
  "ram": 4,
  "disk": 30
}
EOF
{"error": "invalid_cpu_ram"}beyond7@LAPTOP-PSCH0B02:~$ curl -H "Content-Type: application/json" -H "Authorization: Zod58 2LFzdfZekv02qC5S8dF689CV1srpSvXLIcM2DK1RjT5LmWuYznfSKMqdxUu3sAnNzuZL7R9brdixSGCB1HB13ZfQ8hiereMfSTARUJPCG6sJZLmZnffAwKysTQkc66SRtdyfQ81P67WzDMzNEdJkP6658ac5mp973PygMfydy3panjqao7TWG9eemVmxXbX1epwCxlSQCQhYoeZhkf6wBLwPpa24gHAP4ab52V6LDdtXQDa7X541PGHFmvzyP616nfSjwziUeqRit2kaZBRRV1LEBfh" -X POST https://offchain.zod.tv/job_new -d @- << EOF
{
  "type": "docker",
  "path": "hello-world",
  "cpu": 3,
  "ram": 4,
  "disk": 30
}
EOF
{"error": "invalid_cpu_ram"}beyond7@LAPTOP-PSCH0B02:~$
```

Available cpu core only support Dual core. We could not customize it

```
ram": 4,
"disk": 30
}
EOF
{"error": "invalid_cpu_ram"}beyond7@LAPTOP-PSCH0B02:~$ curl -H "Content-Type: application/json" -H "Authorization: Zod58 2LFzdfZekv02qC5S8dF689CV1srpSvXLIcM2DK1RjT5LmWuYznfSKMqdxUu3sAnNzuZL7R9brdixSGCB1HB13ZfQ8hiereMfSTARUJPCG6sJZLmZnffAwKysTQkc66SRtdyfQ81P67WzDMzNEdJkP6658ac5mp973PygMfydy3panjqao7TWG9eemVmxXbX1epwCxlSQCQhYoeZhkf6wBLwPpa24gHAP4ab52V6LDdtXQDa7X541PGHFmvzyP616nfSjwziUeqRit2kaZBRRV1LEBfh" -X POST https://offchain.zod.tv/job_new -d @- << EOF
{
  "type": "docker",
  "path": "hello-world",
  "cpu": 3,
  "ram": 4,
  "disk": 30
}
EOF
{"error": "invalid_cpu_ram"}beyond7@LAPTOP-PSCH0B02:~$ curl -H "Content-Type: application/json" -H "Authorization: Zod58 2LFzdfZekv02qC5S8dF689CV1srpSvXLIcM2DK1RjT5LmWuYznfSKMqdxUu3sAnNzuZL7R9brdixSGCB1HB13ZfQ8hiereMfSTARUJPCG6sJZLmZnffAwKysTQkc66SRtdyfQ81P67WzDMzNEdJkP6658ac5mp973PygMfydy3panjqao7TWG9eemVmxXbX1epwCxlSQCQhYoeZhkf6wBLwPpa24gHAP4ab52V6LDdtXQDa7X541PGHFmvzyP616nfSjwziUeqRit2kaZBRRV1LEBfh" -X POST https://offchain.zod.tv/job_new -d @- << EOF
{
  "type": "docker",
  "path": "hello-world",
  "cpu": 2,
  "ram": 4,
  "disk": 30
}
EOF
{"error": "ok", "uid": "05v7pke997pft2afqn922tf2s"}beyond7@LAPTOP-PSCH0B02:~$ curl -H "Content-Type: application/json" -H "Authorization: Zod58 2LFzdfZekv02qC5S8dF689CV1srpSvXLIcM2DK1RjT5LmWuYznfSKMqdxUu3sAnNzuZL7R9brdixSGCB1HB13ZfQ8hiereMfSTARUJPCG6sJZLmZnffAwKysTQkc66SRtdyfQ81P67WzDMzNEdJkP6658ac5mp973PygMfydy3panjqao7TWG9eemVmxXbX1epwCxlSQCQhYoeZhkf6wBLwPpa24gHAP4ab52V6LDdtXQDa7X541PGHFmvzyP616nfSjwziUeqRit2kaZBRRV1LEBfh" -X POST https://offchain.zod.tv/job_new -d @- << EOF
{
  "type": "docker",
  "path": "hello-world",
  "cpu": 2,
  "ram": 1,
  "disk": 30
}
EOF
{"error": "invalid_cpu_ram"}beyond7@LAPTOP-PSCH0B02:~$ curl -H "Content-Type: application/json" -H "Authorization: Zod58 2LFzdfZekv02qC5S8dF689CV1srpSvXLIcM2DK1RjT5LmWuYznfSKMqdxUu3sAnNzuZL7R9brdixSGCB1HB13ZfQ8hiereMfSTARUJPCG6sJZLmZnffAwKysTQkc66SRtdyfQ81P67WzDMzNEdJkP6658ac5mp973PygMfydy3panjqao7TWG9eemVmxXbX1epwCxlSQCQhYoeZhkf6wBLwPpa24gHAP4ab52V6LDdtXQDa7X541PGHFmvzyP616nfSjwziUeqRit2kaZBRRV1LEBfh" -X POST https://offchain.zod.tv/job_new -d @- << EOF
{
  "type": "docker",
  "path": "hello-world",
  "cpu": 2,
  "ram": 2,
  "disk": 30
}
EOF
{"error": "invalid_cpu_ram"}beyond7@LAPTOP-PSCH0B02:~$
```

We could not change the ram allocation too

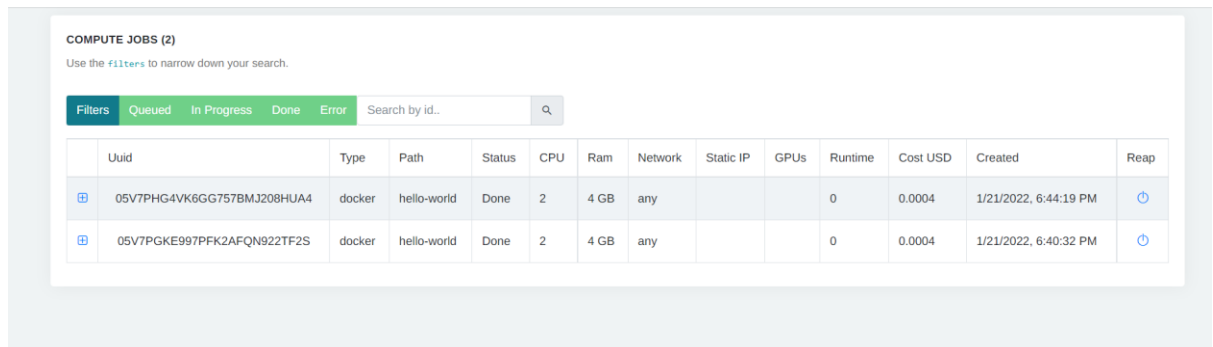
But We can run the Docker more than one in a system with the same configuration.. Which means, We could not customize it as

1. Cpu=1, ram=2
2. Cpu=1, ram=2



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BUT, we can run 1. Cpu=2, ram=4 2.cpu=2, ram=4 twice

This is reference image,



The screenshot shows a web interface for managing compute jobs. At the top, it says 'COMPUTE JOBS (2)' and provides a search tip: 'Use the #11ters to narrow down your search.' Below this is a filter bar with tabs for 'Filters', 'Queued', 'In Progress', 'Done', and 'Error'. A search input field is also present. The main content is a table with the following columns: Uuid, Type, Path, Status, CPU, Ram, Network, Static IP, GPUs, Runtime, Cost USD, Created, and Reap. Two jobs are listed, both with a status of 'Done'.

Uuid	Type	Path	Status	CPU	Ram	Network	Static IP	GPUs	Runtime	Cost USD	Created	Reap
05V7PHG4VK6GG757BMJ208HUA4	docker	hello-world	Done	2	4 GB	any			0	0.0004	1/21/2022, 6:44:19 PM	
05V7PGKE997PFK2AFQN922TF2S	docker	hello-world	Done	2	4 GB	any			0	0.0004	1/21/2022, 6:40:32 PM	

WE CAN RUN SAME CONFIGURATION MULTIPLE TIMES But We could not run with customized resources by splitting either cpu or ram resource.

1. Resource Allocation should be customizable