

RISC-V OpenStack 与k8s开发实践分享

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E-solution to win

www.eswincomputing.com

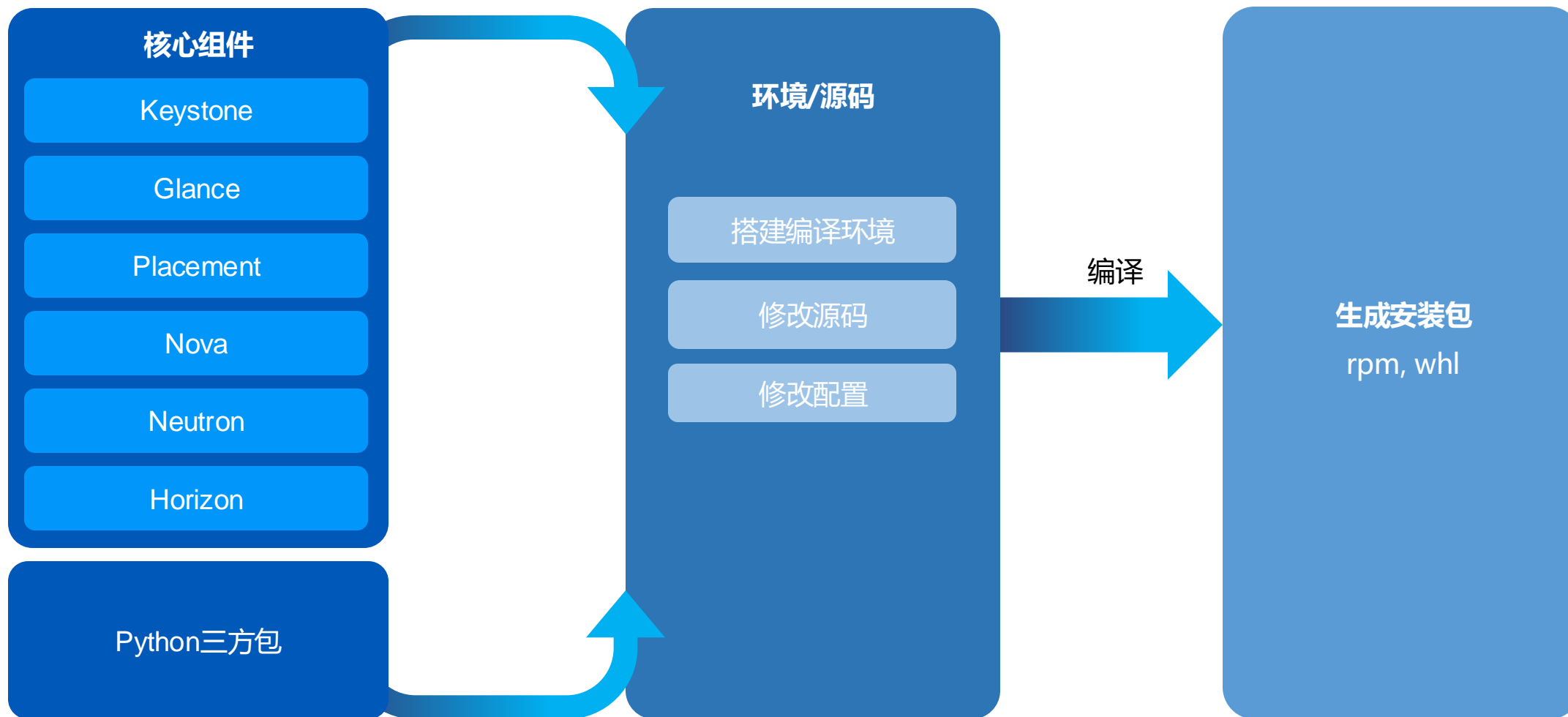


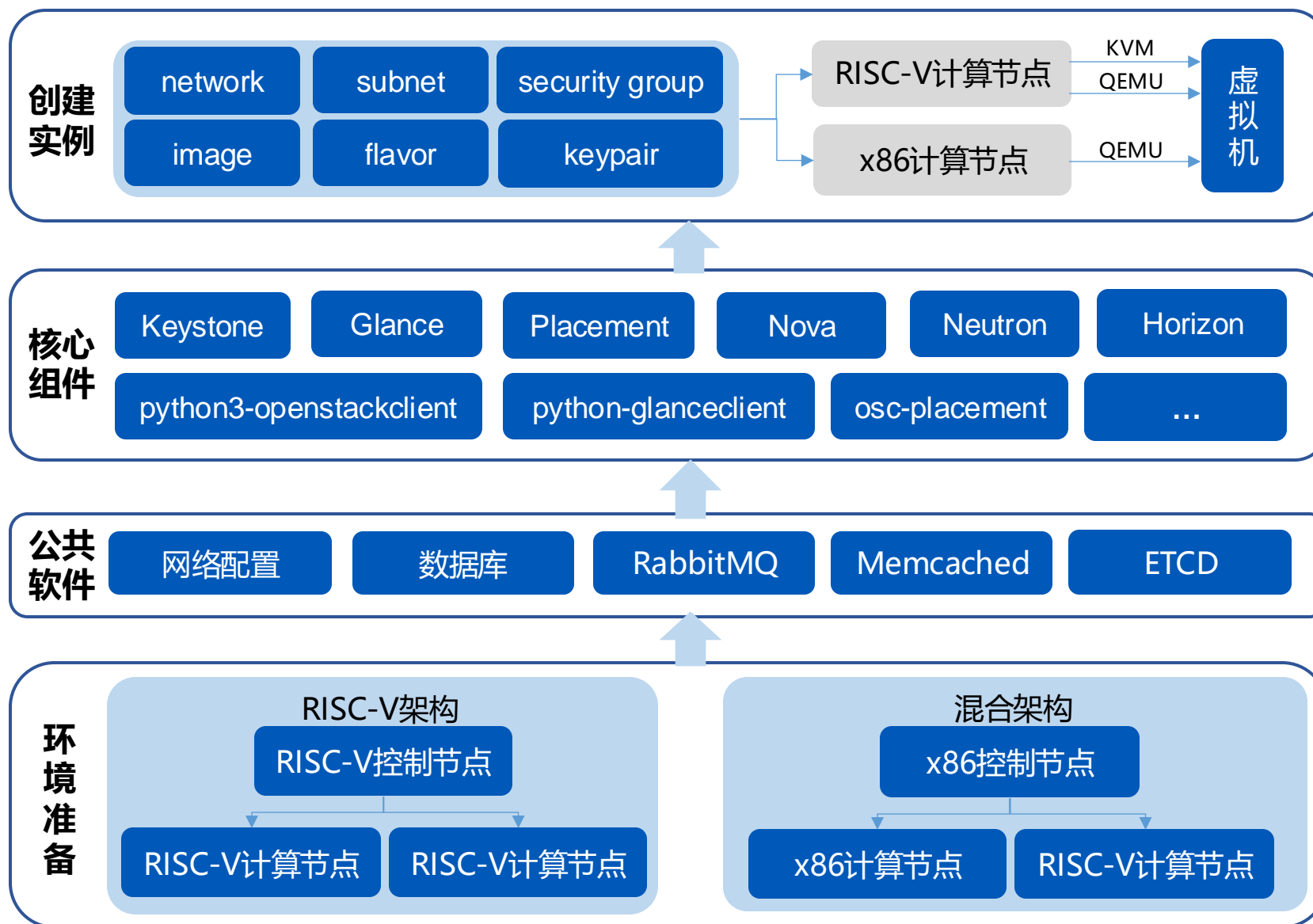
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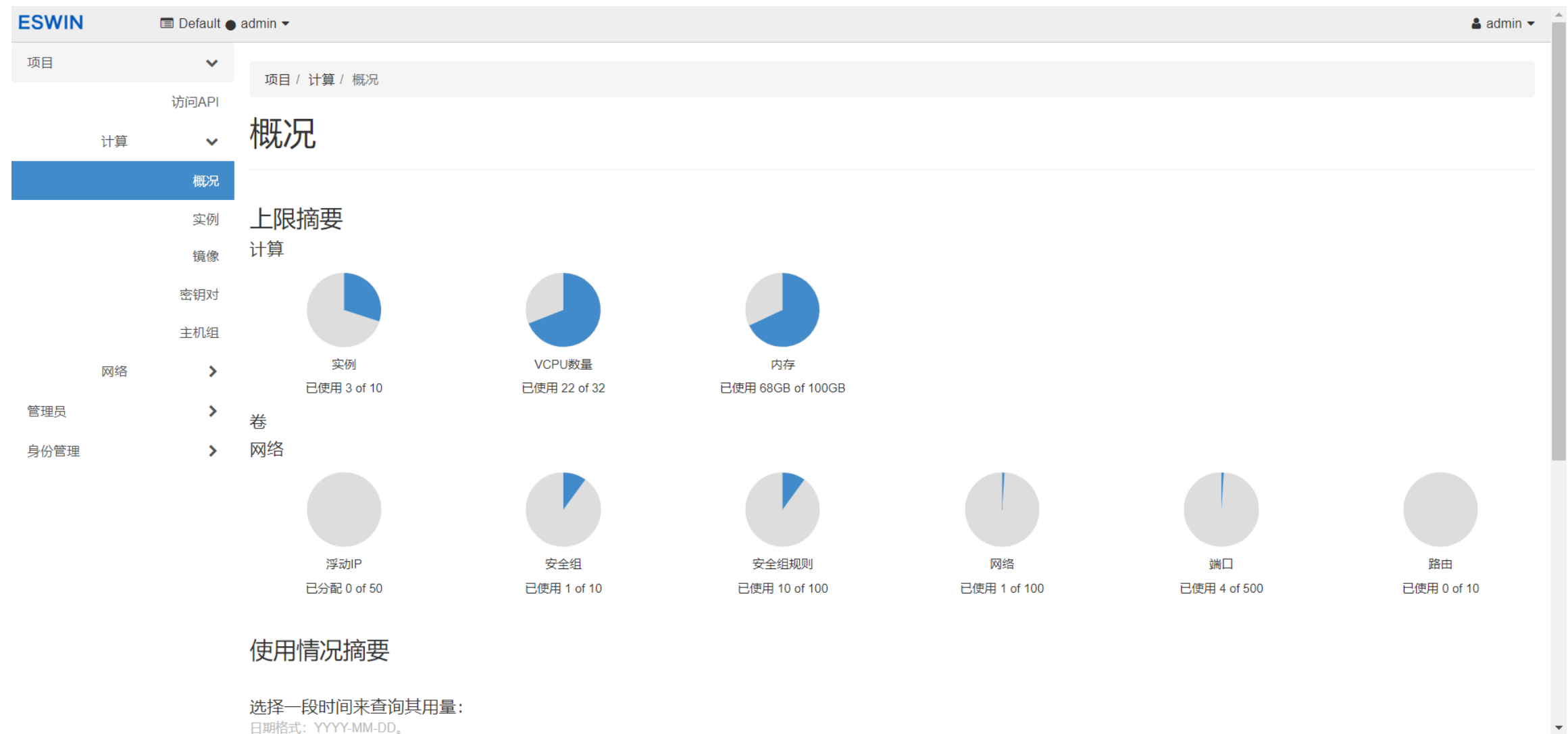
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II. RISC-V k8s开发实践

III. 奕斯伟计算开源贡献及软件发布







ESWIN

Default admin

admin

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实例

正在显示 3 项

实例 ID =

筛选

创建实例

删除实例

更多操作

Instance Name	Image Name	IP Address	Flavor	Key Pair	Status	Availability Zone	Task	Power State	Age	Actions
<input type="checkbox"/> riscv-vm3	openeuler-2309-riscv64	10.100.6.168	ram24-disk80-vcpus8	zzk_key	运行	nova	无	运行中	2 月, 3 周	创建快照
<input type="checkbox"/> riscv-vm1	openeuler-2309-riscv64	10.100.6.169	ram12-disk80-vcpus6	zzk_key	关机	nova	无	关闭	5 月	启动实例
<input type="checkbox"/> riscv-vm2	openeuler-2309-riscv64	10.100.6.167	ram32-disk120-vcpus8	zzk_key	运行	nova	无	运行中	5 月	创建快照

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riscv-vm2

创建快照

概况接口日志控制台操作日志

实例控制台

如果控制台无响应,请点击下面灰色状态栏. [点击此处只显示控制台](#)
要退出全屏模式, 请点击浏览器的后退按键

Connected (unencrypted) to QEMU (instance-0000000f)Send CtrlAltDel

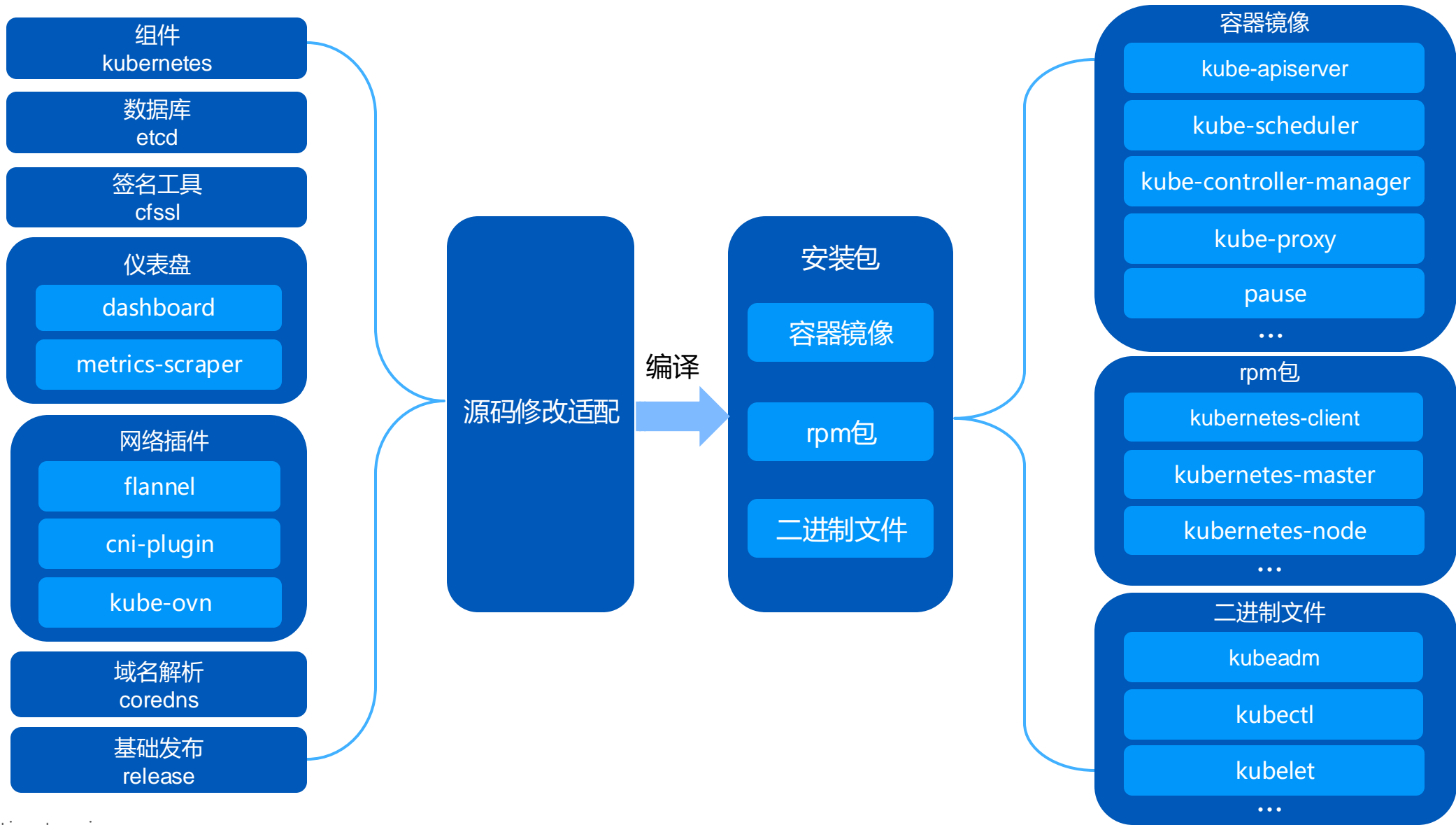
```
[root@openeuler-riscv64 ~]#  
[root@openeuler-riscv64 ~]# uname -a  
Linux openeuler-riscv64 6.4.0-10.1.0.20.oe2309.riscv64 #1 SMP Sat Oct 7 06:19:28 UTC 2023 riscv64 riscv64 riscv64 GNU/Linux  
[root@openeuler-riscv64 ~]# docker ps  
CONTAINER ID        IMAGE               COMMAND                  CREATED        STATUS        PORTS  
NAMES  
404681b087eb       pms-backend:v1.0   "sh -c 'cd /app/pts-█"   2 months ago   Up 2 months   0.0.0.0:9092->9091/tcp  
keen_antonelli  
[root@openeuler-riscv64 ~]# _
```

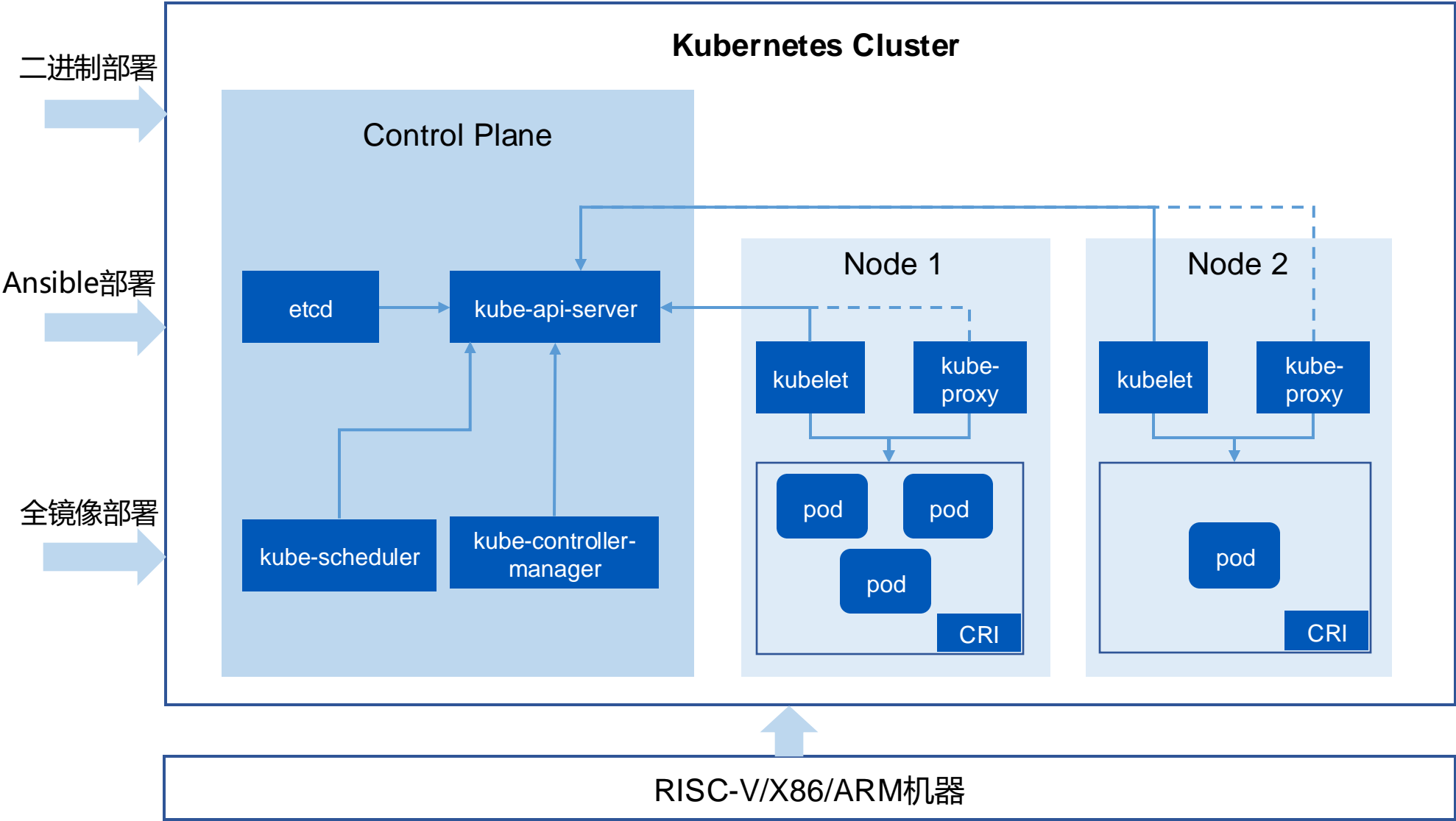
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kubernetes

default

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Cluster > Nodes

Deployments

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Cluster Role Bindings

Cluster Roles

事件 N

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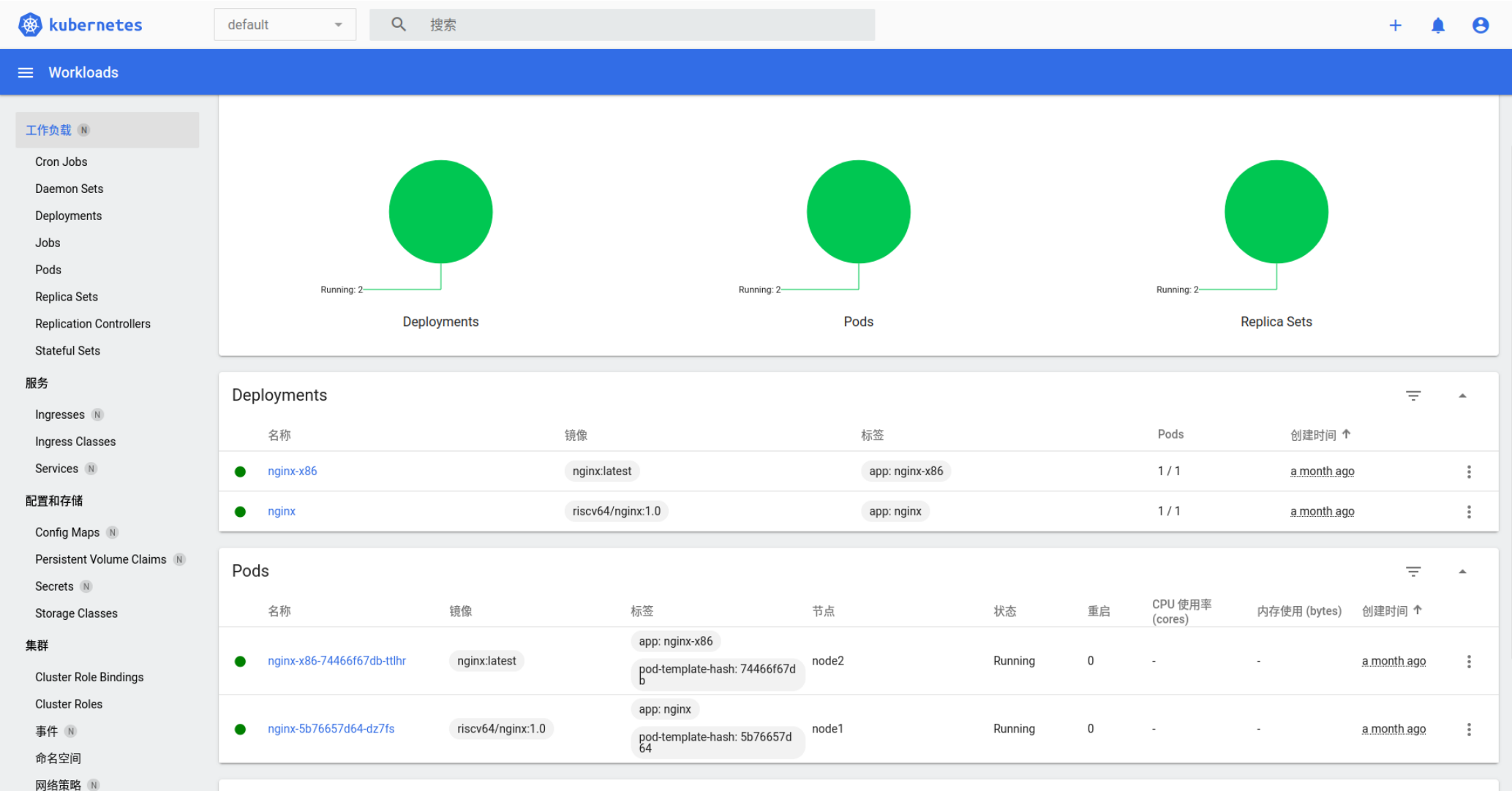
Nodes

Persistent Volumes

Role Bindings N

Roles N

名称	标签	准备就绪	CPU 下限 (cores)	CPU 上限 (cores)	CPU capacity (cores)	内存下限 (bytes)	内存上限 (bytes)	Memory capacity (bytes)	Pods	创建时 间	
● node2	<div>beta.kubernetes.io/arch: amd64</div> <div>beta.kubernetes.io/os: linux</div> <div>kubernetes.io/arch: amd64</div> <div>kubernetes.io/hostname: node2</div> <div>kubernetes.io/os: linux</div> <div>node-type: node-x86 收起</div>	True	100.00m (0.63%)	0.00m (0.00%)	16.00	50.00Mi (0.16%)	0.00 (0.00%)	31.08Gi	3 (2.73%)	2 months ago	⋮
● node1	<div>beta.kubernetes.io/arch: riscv64</div> <div>beta.kubernetes.io/os: linux</div> <div>kubernetes.io/arch: riscv64</div> <div>kubernetes.io/hostname: node1</div> <div>kubernetes.io/os: linux 收起</div>	True	100.00m (0.16%)	0.00m (0.00%)	64.00	50.00Mi (0.04%)	0.00 (0.00%)	124.77Gi	3 (2.73%)	2 months ago	⋮
● master	<div>beta.kubernetes.io/arch: riscv64</div> <div>beta.kubernetes.io/os: linux</div> <div>kubernetes.io/arch: riscv64</div> <div>kubernetes.io/hostname: master</div> <div>kubernetes.io/os: linux</div> <div>node-role.kubernetes.io/control-plane</div> <div>node.kubernetes.io/exclude-from-external-load-balancers 收起</div>	True	950.00m (1.48%)	0.00m (0.00%)	64.00	290.00Mi (0.23%)	340.00Mi (0.27%)	124.77Gi	10 (9.09%)	2 months ago	⋮



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- 开源社区贡献 - Patch合入

Fix "failed to open netns" error in RISCV64. #1128

 Merged svinota merged 1 commit into `svinota:master` from `zhouliang-eswin:master` on Oct 28, 2023




 Conversation 2  Commits 1  Checks 0  Files changed 1


flannel-io / `cni-plugin`

 Issues  Pull requests 2  Actions  Projects  Security  Insights

Add support for riscv64 #52

 Merged thomasferrandiz merged 1 commit into `flannel-io:main` from `zhouliang-eswin:main` on Nov 24, 2023

 Conversation 0  Commits 1  Checks 1  Files changed 5


 Commits on Nov 8, 2023

Add support for riscv64 ...
 zhouliang-eswin committed on Nov 8, 2023

flannel-io / `flannel`


 Issues 31  Pull requests 7  Actions  Projects  Security  Insights

add riscv64 support #1824

 Merged thomasferrandiz merged 1 commit into `flannel-io:master` from `zhouliang-eswin:master` on Nov 30, 2023

 Conversation 2  Commits 1  Checks 8  Files changed 2

 Commits on Nov 9, 2023

add riscv64 support ...
 zhouliang-eswin committed on Nov 9, 2023

- 容器镜像发布

<https://hub.docker.com/repositories/eswincomputing>



eswincomputing/pause

By [eswincomputing](#) · Updated 3 months ago

125 · 7



eswincomputing/etcd

By [eswincomputing](#) · Updated 3 months ago

104 · 7



eswincomputing/kube-controller-manager

By [eswincomputing](#) · Updated 3 months ago

K8s image for riscv64

112 · 7



eswincomputing/kube-scheduler

By [eswincomputing](#) · Updated 3 months ago

K8s image for riscv64

114 · 7



eswincomputing/kube-proxy

By [eswincomputing](#) · Updated 3 months ago

K8s image for riscv64

112 · 7



eswincomputing/kube-apiserver

By [eswincomputing](#) · Updated 3 months ago

K8s image for riscv64

125 · 10

- 持续更新

1) 二进制文件/RPM包发布

2) 代码开源 <https://github.com/eswincomputing>

Thanks

北京奕斯伟计算技术股份有限公司

BEIJING ESWIN COMPUTING TECHNOLOGY CO., LTD.

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奕斯伟计算官方公众号

