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Issue	
Environment	An EZUA node is in "Not Ready" state and an error in the containerd logs: "Failed to run CRI service" error="failed to recover state: failed to reserve container name"
Cause	1. From the EZUA UI, alerts are displayed for Node Not ready
Resolution	2. The following error from Not ready nodes from EZUA UI alert logs:
	2025-02-07T11:58:12.391643750-05:00 E0207 16:58:12.391537 1 metrics_handler.go:216] "Failed to write metrics" err=' 2025-02-07T11:58:12.391651404-05:00 E0207 16:58:12.391555 1 metrics_handler.go:216] "Failed to write metrics" err=' 2025-02-07T11:58:12.391679998-05:00 E0207 16:58:12.391566 1 metrics_handler.go:216] "Failed to write metrics" err='
	Environment
	EZUA 1X
	Cause
	1. Check the kubelet logs from the node where kubelet fails to start.
	Feb 20 04:51:08 euagpuwrk1 kubelet[3277599]: I0220 04:51:08.674000 3277599 flags.go:64] FLAG:version="false" Feb 20 04:51:08 euagpuwrk1 kubelet[3277599]: I0220 04:51:08.674006 3277599 flags.go:64] FLAG:vmodule="" Feb 20 04:51:08 euagpuwrk1 kubelet[3277599]: I0220 04:51:08.674010 3277599 flags.go:64] FLAG:volume-plugin-dir="/L Feb 20 04:51:08 euagpuwrk1 kubelet[3277599]: I0220 04:51:08.674014 3277599 flags.go:64] FLAG:volume-stats-agg-peri Feb 20 04:51:08 euagpuwrk1 kubelet[3277599]: I0220 04:51:08.674079 3277599 feature_gate.go:249] feature gates: &{map} Feb 20 04:51:08 euagpuwrk1 kubelet[3277599]: I0220 04:51:08.676069 3277599 server.go:469] "Golang settings" GOGC="" (Feb 20 04:51:08 euagpuwrk1 kubelet[3277599]: I0220 04:51:08.676779 3277599 feature_gate.go:249] feature gates: &{map} Feb 20 04:51:08 euagpuwrk1 kubelet[3277599]: W0220 04:51:08.67978 3277599 logging.go:59] [core] [Channel #1 SubChanr Feb 20 04:51:08 euagpuwrk1 systemd[1]: kubelet.service: Failed with result 'exit-code'. Feb 20 04:51:08 euagpuwrk1 systemd[1]: Failed to start Kubernetes Kubelet.
	2. Check the Kubelet Status
	# systemctl status kubelet • kubelet.service - Kubernetes Kubelet Loaded: loaded (/usr/lib/systemd/system/kubelet.service; enabled; vendor preset: disabled) Drop-In: /usr/lib/systemd/system/kubelet.service.d —01-webproxy.conf Active: activating (auto-restart) (Result: exit-code) since Thu 2025-02-20 04:51:29 EST; 799ms ago Docs: https://github.com/kubernetes/kubernetes Process: 3277859 ExecStart=/usr/bin/kubeletconfig=/var/lib/kubelet/kubelet-config.yamlcontainer-runtime-endpoir
	3. From the above kubelet logs, containerd failed to start.
	# systemctl status containerd ◆ containerd.service - containerd container runtime Loaded: loaded (/usr/lib/systemd/system/containerd.service; enabled; vendor preset: disabled) Drop-In: /etc/systemd/system/containerd.service.d
	4. Error reported in containerd logs:

Feb 20 05:07:40 euagpuwrk1 containerd[3290034]: time="2025-02-20T05:07:40.837590428-05:00" level=info msg="Start subsofted 20 05:07:40 euagpuwrk1 containerd[3290034]: time="2025-02-20T05:07:40.837654288-05:00" level=info msg="Start reconfeb 20 05:07:40 euagpuwrk1 containerd[3290034]: time="2025-02-20T05:07:40.837768326-05:00" level=info msg=serving...; Feb 20 05:07:40 euagpuwrk1 containerd[3290034]: time="2025-02-20T05:07:40.837818125-05:00" level=info msg=serving...; Feb 20 05:07:40 euagpuwrk1 containerd[3290034]: time="2025-02-20T05:07:40.837818125-05:00" level=info msg=serving...; Feb 20 05:07:40 euagpuwrk1 systemd[1]: containerd.service: Main process exited, code=exited, status=1/FAILURE Feb 20 05:07:40 euagpuwrk1 systemd[1]: containerd.service: Failed with result 'exit-code'. Feb 20 05:07:40 euagpuwrk1 systemd[1]: Failed to start containerd container runtime.

Resolution

The customer resolved the containerd issue by following the below steps, which involve cleaning up the stale containerd state and restarting the containerd service.

```
# cd /var/lib/containerd/
# ls
io.containerd.content.v1.content
io.containerd.grpc.v1.introspection
io.containerd.runtime.v1.linux
io.containerd.snapshotter.v1.blockfile io.containerd.snapshotter.v1.native
kubelet
io.containerd.grpc.v1.cri
io.containerd.metadata.v1.bolt
io.containerd.runtime.v2.task
io.containerd.snapshotter.v1.btrfs
io.containerd.snapshotter.v1.overlayfs
# cd io.containerd.metadata.v1.bolt/
# ls
meta.db
# mv meta.db meta.db_bkp
-rw-r--r- 1 root root 16777216 Feb 16 00:00 meta.db_bkp
# mv meta.db_bkp /tmp
# systemctl start containerd
# systemctl status containerd
• containerd.service - containerd container runtime
Loaded: loaded (/usr/lib/systemd/system/containerd.service; enabled; vendor preset: disabled)
Drop-In: /etc/system/containerd.service.d

Lhttp-proxy.conf
Active: active (running) since Thu 2025-02-20 05:13:22 EST; 11s ago
Docs: https://containerd.io/
Process: 3293329 ExecStartPre=/sbin/modprobe overlay (code=exited, status=0/SUCCESS)
Main PID: 3293332 (containerd)
```

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