



r/RedditEng • 10 mo. ago
grumpimusprime **ADMIN**



You Broke Reddit: The Pi-Day Outage

YOU BROKE REDDIT.

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ShiningScion • 10mo ago

Thanks for making these post mortems public. It's always an interesting read.



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rilakkumatt **ADMIN** • 10mo ago

It was a big downtime event, and we want to [Default Open](#) with the Reddit community.

It's also the kind of failure mode that keeps a lot of us up at night, so hopefully there are useful things in here that other folks will find valuable as well.



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Kofeb • 10mo ago

roles or other companies. Only our largest and most legacy clusters still use them. So there was nobody with the knowledge to interact with the route reflector configuration to even realize there could be something wrong with it or to be able to speak up and investigate the issue.

This is the ultimate battle for every company now days. Documentation can only go so far as well...

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sir_dancealot • 10mo ago

I mean this is literally what happens when you don't document something obtuse and custom.

Documentation only went so far... because they didn't have it

I'll take good docs over relying on the long-tenured wizard in a tower any day

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goalie_fight • 10mo ago

Upgrades are dangerous. That's why I'm posting this from Windows 95.

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Kaelani_ • 10mo ago

You're awesome! Thank for all your hard work, you glorious nerd!

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funkypenguin • 10mo ago

Aah, ye olde deprecated labels issue! This got me last week while planning the 1.23 to 1.24 upgrade too (*fortunately caught in CI*)

Also, TIL (*since we're talking about subtle breakages*) that kubelet 1.23 seems to ignore missing `tlsCertFile` / `tlsPrivateKeyFile` during `kubeadm join` (*the certs get created as a result of the bootstrap*), whereas kubelet 1.24 will just exit with error.

Oh, and the issue *only* presents on a new cluster, but not when upgrading.

Ask me how I know.. ;) *facepalm*

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low level changes. We ended up stopping trying to do delta compares of all the change logs and just stand up new clusters to run through the gauntlet. Throw everything we run on them to test functionality. Then we redeploy workloads to them, essentially cordon/drain the old cluster moving everything to the new one. In place upgrades have burned us too many times and this post certainly brought back some nightmarish escalation memories.

Thanks again for the read. Good luck!

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sir_dancealot • 10mo ago

it's funny how we've invented so many things to make all this infrastructure repeatable, automatable, and reliable, and it still all comes down to PITA networking management tools and some network config some guy did by hand 4 years ago that no one knew about... exactly like it did before we had all this

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calicodev • 10mo ago

Calico dev here - coincidentally we are right in the middle of removing the last traces of calicoctl and allowing everything to be done via kubectl / k8s APIs - here's the particular PR adding validation for route reflector annotations: <https://github.com/projectcalico/calico/pull/7453>

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