

NetBox Operator

Joel Studler, 07.11.2024, Sylva WG06 Workloads LCM with GitOps Monthly Call









Foster Collaboration

Tap into global developer contributions

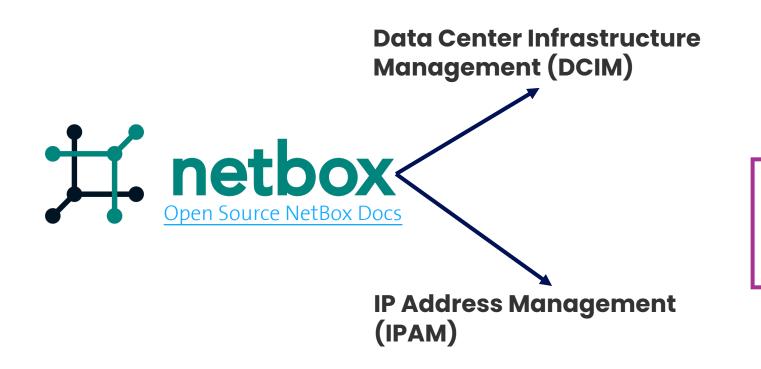
Internal and External Growth

Improve processes and code modularity

Technology Leadership

Lead innovation in the tech/telco community



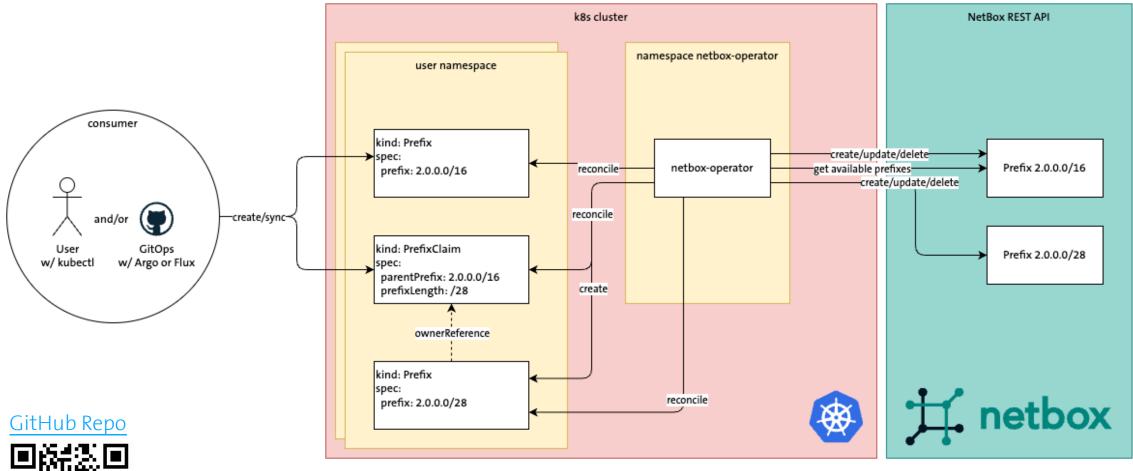


• Sites (physical location of a resource)

Managed by NetBox Operator

- Prefixes
- IP Addresses
- Tenancy (ownership of a resource)
- Custom fields (additional information about a resource)







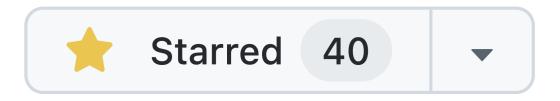


Swisscom

Lea Brühwiler, Ashan Senevirathne, Joel Studler, Alexander North, Henry Chun-Hung Tseng, Fabian Schulz, Hoang Mai, Pablo Garcia Miranda, Andreas Forsten, Chema De La Sen, Jitendra Sapariya, Miltiadis Alexis and many more!

NetBox Labs

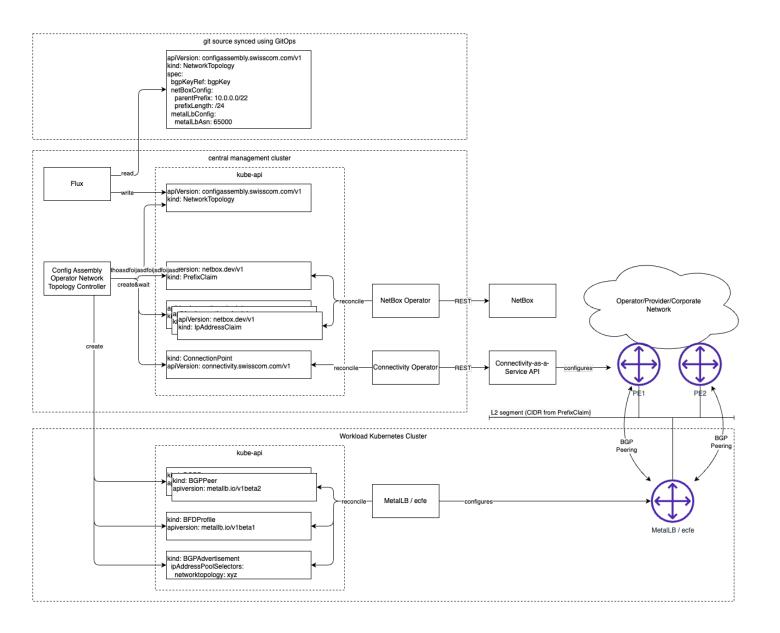
Mark Coleman, Richard Boucher, Kristopher Beevers, Jeff Gehlbach, Nat Morris







Integration Example 1: Kubernetes Cluster MetalLB Topology

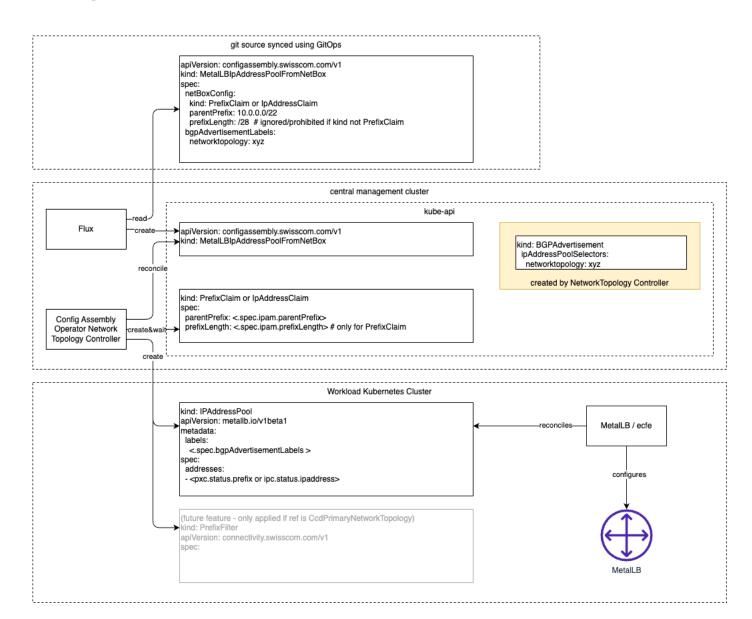


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Integration Example 2: MetalLB IPAddressPool



Demo of a similar but not identical Setup: <u>https://youtu.be/35-fE</u> gHDjw?t=1034





NetBox Operator https://github.com/netbox-community/netbox-operator

A deep dive into NetBox Operator

by Lea Brühwiler, Ashan Senevirathne, Joel Studler, Alexander North, Henry Chun-Hung Tseng, Fabian Schulz <u>https://www.cncf.io/blog/2024/09/16/a-deep-dive-into-netbox-operator</u>

Evolving GitOps: Harnessing Kubernetes Resource Model for 5G Core

by Ashan Senevirathne and Joel Studler at Open Source Summit Europe 2024 <u>https://osseu2024.sched.com/event/1ej41</u>



NetBox Operator Demo

