



Liqo Community Meeting

A new beginning

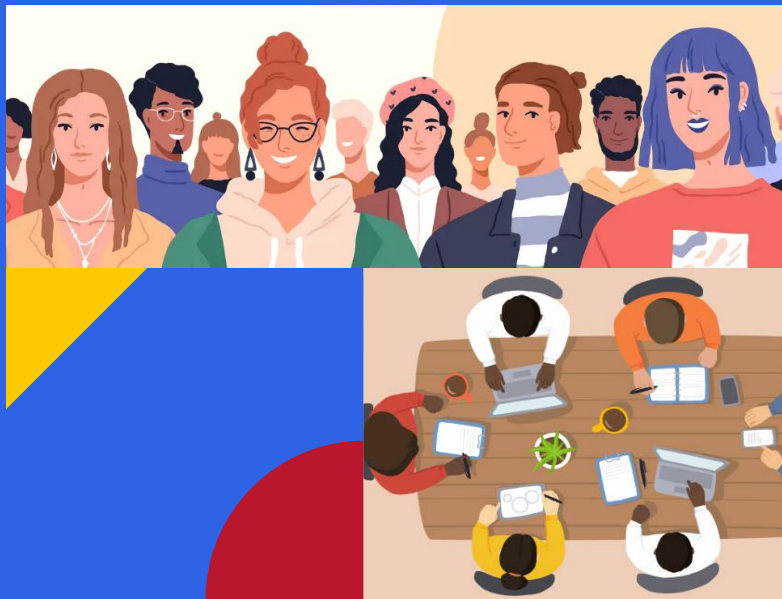
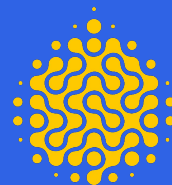
31/03/2025





Agenda

- 01** Understanding the Liqo community
- 02** Liqo v1.0.0 overview + live demo
- 03** Community feature proposal:
"Network optimizations for
hub-and-spoke topologies"
- 04** Open floor for ideas



Understanding the Ligo community

Community guidelines

Community Meetings Guidelines

Documentation

Find all relevant information in the new *liqo-community* repository on GitHub

Meetings Frequency

Set up either periodically (e.g., once every 4-6 weeks) or when the discussion on a specific topic is needed

How to propose your idea

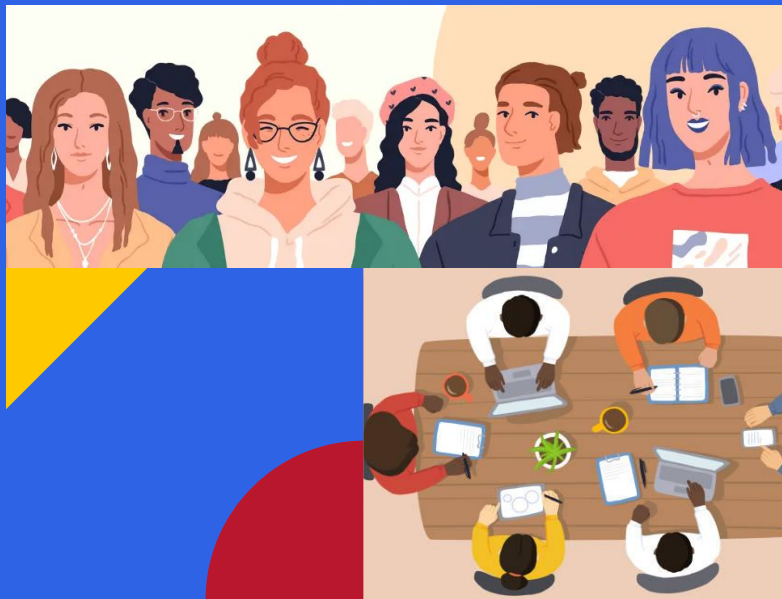
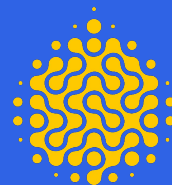
Describe your idea/request by opening a feature request on the Ligo GitHub or using the **#community-meeting** channel on Slack

Stay updated

Stay tuned on the *liqo-community* repository or **#community-meeting** Slack to not miss the date and the agenda of the next community meeting



Ligo community rules: <https://github.com/liqotech/liqo/blob/master/COMMUNITY.md>



Liqo v1.0.0

Overview and vision

Liqo v1.0.0

Maturity

The project is now considered **mature** and **robust**, suitable for production environments.

Versioning Change

Upgraded from 0.x to 1.0.0, reflecting **readiness** and **stability**.

Modular Design

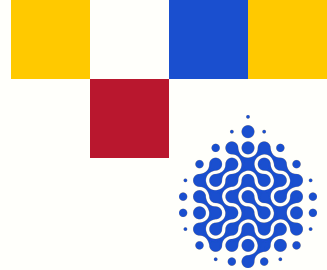
Introduces three **core modules** (Network, Authentication, Offloading) for **independent** configuration and use.

Declarative API

Introduction of **fully declarative APIs** allowing users to manage Liqo through CRs enabling seamless integration with **DevOps workflows**.



Modules



Network

Creates a **CNI agnostic** Network fabric that allows **pod-to-pod** communication across clusters

Now support **multiple technologies**, a better **throughput**, and more **scalability**

Authentication

Manages the lifecycle of Kubernetes **'Users'** that Liko uses to interact with the provider cluster

Simplified, **declarative** peering with **minimized permissions** and enhanced **robustness**.

Offloading

Manages the **Virtual Node** lifecycle and enable the resource reflection to the provider cluster

Support for **multiple virtual nodes**, enabling **granular resource control** and **specialized nodes** (e.g., GPUs, specific architectures).

Declarative APIs: DevOps ready

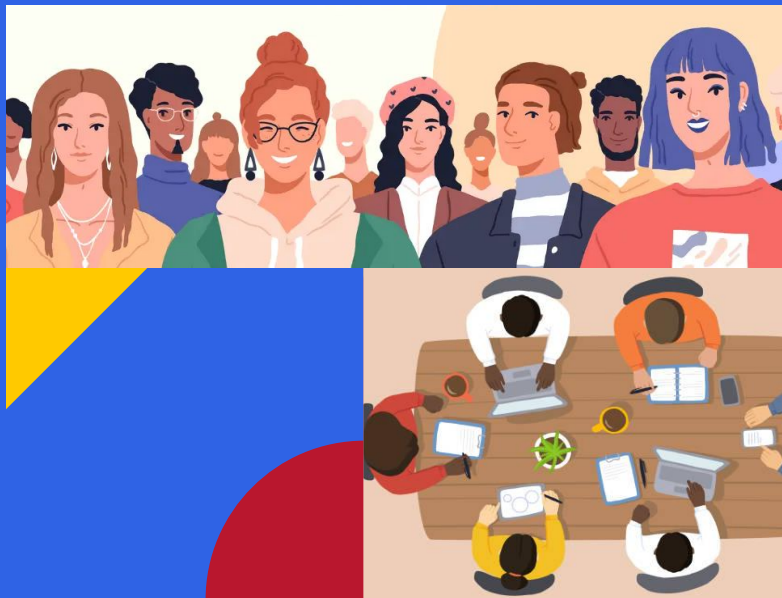
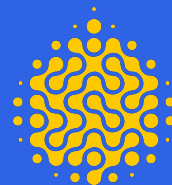
Fully declarative API

Liqo has been redesigned to be **fully declarative**.
Install Liqo and peer clusters by applying our CRs in the cluster(s), **without necessarily relying on *liqctl***

DevOps ready

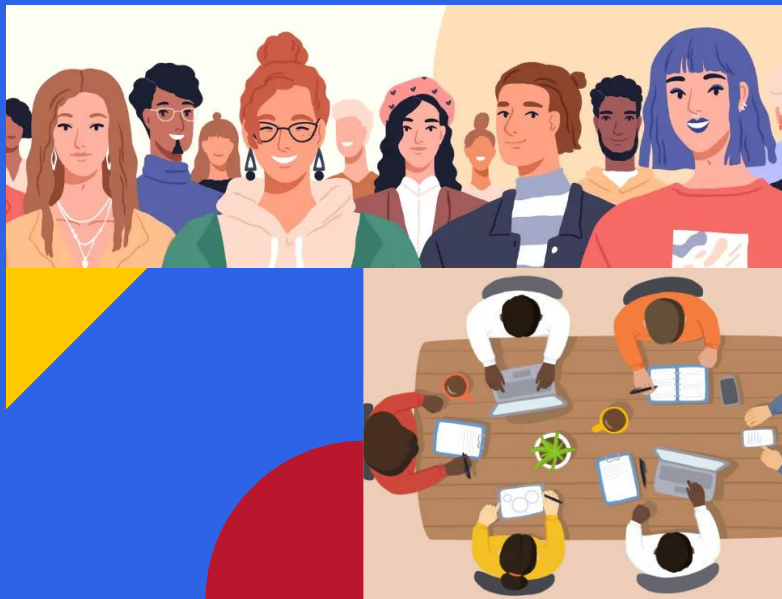
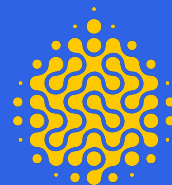
Now Liqo seamlessly supports **DevOps** workflows enabling **automation** use-cases: **GitOps** (*ArgoCD, Flux, etc.*), **continuous delivery**, or **integration** of Liqo with other services





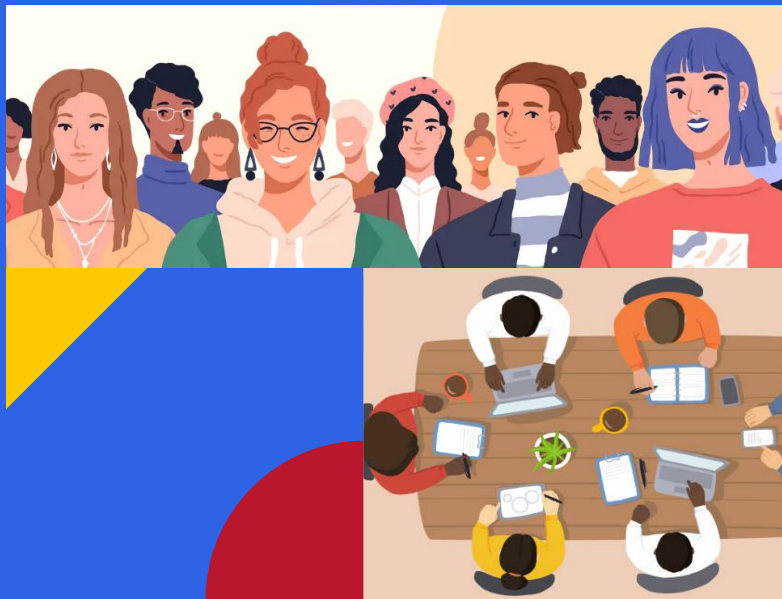
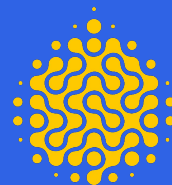
Liqo v1.0.0

Live Demo!



Community feature proposal

Network optimizations for
hub-and-spoke topologies
by Santo Calderone



Open floor for ideas

Questions? Ideas? Feature proposals?

Thank You

