

# **The Linux Foundation Announces the Election of Renesas' Hisao Munakata and GitLab's Eric Johnson to the Board of Directors**

Today, the Linux Foundation announced that Renesas' Hisao Munakata has been re-elected to its board, representing the Gold Member community. GitLab's Eric Johnson has been elected to represent the Silver Member community. Linux Foundation elected board directors serve 2-year terms.

Directors elected to the Linux Foundation's board are committed to building sustainable ecosystems around open collaboration to accelerate technology development and industry adoption. The Linux Foundation expands the open collaboration communities it supports with community efforts focused on building open standards, open hardware, and open data. It is dedicated to improving diversity in open source communities and working on processes, tools, and best security practices in open development communities.

## **Hisao Munakata, Renesas (Gold Member)**

Renesas is a global semiconductor manufacturer that provides cutting-edge SoC (system-on-chip) devices for the automotive, industry, and infrastructure. As open source support became

essential for the company, Munakata-san encouraged Renesas developers to follow an “upstream-first” scheme to minimize gaps from the mainline community codebase. The industry has now accepted this as standard practice, following Renesas’ direction and pioneering work.



Hisao Munakata

Munakata-san has served as an LF board director since 2019 and has reflected the voice from the embedded industry.

Renesas, which joined the Linux Foundation in 2011, has ranked in the top twelve kernel development contributor firms in the past 14 years. Munakata-san serves pivotal roles in various LF projects such as the AGL (Automotive Grade Linux) Advisory Board, Yocto Project Advisory Board, Core Embedded Linux Project, and OpenSSF. In these roles, Munakata-san has supported many industry participants in these projects to achieve harmony.

As cloud-native trends break barriers between enterprise and embedded systems, Munakata-san seeks to improve close collaboration across the industry and increase contribution from participants in the embedded systems space, focusing on

safety in a post-COVID world.

## **Eric Johnson, GitLab (Silver Member)**

Eric Johnson is the Chief Technology Officer at GitLab, Inc. – the first single application for the DevSecOps lifecycle. GitLab is a free, open core software used by more than 30 million registered users to collaborate, author, test, secure, and release software quickly and efficiently.



Eric Johnson

At GitLab, Eric is responsible for the organization that integrates the work of over a hundred external open source contributors into GitLab's codebase every month. During his tenure Eric has contributed to a 10x+ increase in annual recurring revenue and has scaled Engineering from 100 to more than 550 people while dramatically increasing team diversity in gender, ethnicity, and country-of-residence. He's also helped turn GitLab, Inc. into one of the most productive engineering organizations in the world, as evidenced by their

substantial monthly on-premise releases.

Eric is also a veteran of 4 previous enterprise technology startups in fields as varied as marketing technology, localization software, streaming video, and commercial drone hardware/software. He currently advises two startups in the medical trial software and recycling robotics industries.

Eric brings his open source and Linux background to the Foundation. In his professional work, he has spent 17 years hands-on or managing teams that develop software that runs on Linux systems, administering server clusters, orchestrating containers, open-sourcing privately built software, and contributing back to open source projects. Personally, he's also administered a Linux home server for the past ten years.

As a Linux Foundation board member, Eric looks forward to using his execution-focused executive experience to turn ideas into results. Collaboration with the Linux Foundation has already begun with Distributed Developer ID and Digital Bill of Materials (DBoM). As a remote work expert with years of experience developing best practices, Eric will use his expertise to help the board, the Foundation, and its partners become more efficient in a remote, asynchronous, and geographically distributed way.

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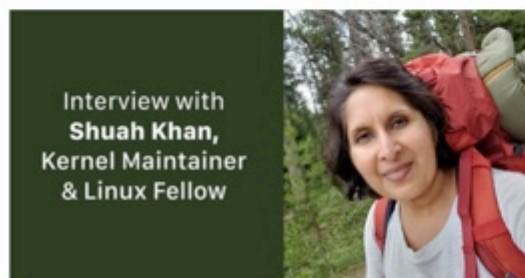
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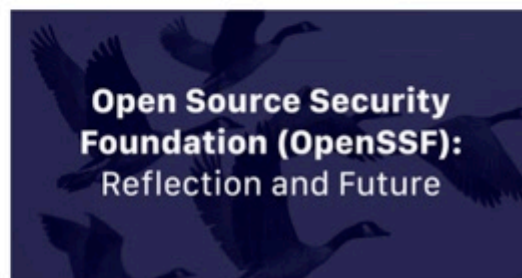
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# Understanding Open Governance Networks

Throughout the modern business era, industries and commercial operations have shifted substantially to digital processes. Whether you look at EDI as a means to exchange invoices or cloud-based billing and payment solutions today, businesses have steadily been moving towards increasing digital operations. In the last few years, we've seen the promises of digital transformation come alive, particularly in industries that have shifted to software-defined models. The next step of this journey will involve enabling digital transactions through decentralized networks.

A fundamental adoption issue will be figuring out who controls and decides how a decentralized network is governed. It may seem oxymoronic at first, but decentralized networks still need governance. A future may hold autonomously self-governing decentralized networks, but this model is not accepted in industries today. The governance challenge with a decentralized network technology lies in who and how participants in a network will establish and maintain policies, network operations, on/offboarding of participants, setting fees, configurations, and software changes and are among the issues that will have to be decided to achieve a successful network. No company wants to participate or take a dependency on a network that is controlled or run by a competitor, potential competitor, or any single stakeholder at all for that matter.

Earlier this year, we presented a solution for Open Governance Networks that enable an industry or ecosystem to govern itself in an open, inclusive, neutral, and participatory model. You may be surprised to learn that it's based on best practices in open governance we've developed over decades of facilitating the world's most successful and competitive open source projects.

## The Challenge

For the last few years, a running technology joke has been "describe your problem, and someone will tell you blockchain is the solution." There have been many other concerns raised and confusion created, as overnight headlines hyped cryptocurrency schemes. Despite all this, behind the scenes, and all along, sophisticated companies understood a distributed ledger technology would be a powerful enabler for tackling complex challenges in an industry, or even a section of an industry.

At the Linux Foundation, we focused on enabling those organizations to collaborate on open source enterprise blockchain technologies within our Hyperledger community. That community has driven collaboration on every aspect of enterprise blockchain technology, including identity, security, and transparency. Like other Linux Foundation projects, these enterprise blockchain communities are open, collaborative efforts. We have had many vertical industry participants engage, from retail, automotive, aerospace, banking, and others participate with real industry challenges they needed to solve. And in this subset of cases, enterprise blockchain is the answer.

The technology is ready. Enterprise blockchain has been through many proof-of-concept implementations, and we've already seen that many organizations have shifted to production deployments. A few notable examples are:

- Trust Your Supplier Network 25 major corporate members from Anheuser-Busch InBev to UPS In production since September 2019.
- Foodtrust Launched Aug 2017 with ten members, now being used by all major retailers.
- Honeywell 50 vendors with storefronts in the new marketplace. In its first year, GoDirect Trade processed more than \$5 million in online transactions.

However, just because we have the technology doesn't mean we have the appropriate conditions to solve adoption challenges. A certain set of challenges about networks' governance have become a "last mile" problem for industry adoption. While there are many examples of successful production deployments and multi-stakeholder engagements for commercial enterprise blockchains already, specific adoption scenarios have been halted over uncertainty, or mistrust, over who and how a blockchain network will be governed.

To precisely state the issue, in many situations, company A does not want to be dependent on, or trust, company B to control a network. For specific solutions that require broad industry participation to succeed, you can name any industry, and there will be company A and company B.

We think the solution to this challenge will be Open Governance Networks.

## **The Linux Foundation vision of the Open Governance Network**

An Open Governance Network is a distributed ledger service, composed of nodes, operated under the policies and directions of an inclusive set of industry stakeholders.

Open Governance Networks will set the policies and rules for participation in a decentralized ledger network that acts as



an industry utility for transactions and data sharing among participants that have permissions on the network. The Open Governance Network model allows any organization to participate. Those organizations that want to be active in sharing the operational costs will benefit from having a representative say in the policies and rules for the network itself. The software underlying the Open Governance Network will be open source software, including the configurations and build tools so that anyone can validate whether a network node complies with the appropriate policies.

Many who have worked with the Linux Foundation will realize an open, neutral, and participatory governance model under a nonprofit structure that has already been thriving for decades in successful open source software communities. All we're doing here is taking the same core principles of what makes open governance work for open source software, open standards, and open collaboration and applying those principles to managing a distributed ledger. This is a model that the Linux Foundation has used successfully in other communities, such as the Let's Encrypt certificate authority.

Our ecosystem members trust the Linux Foundation to help solve this last mile problem using open governance under a neutral nonprofit entity. This is one solution to the concerns about neutrality and distributed control. In pan-industry use cases, it is generally not acceptable for one participant in the network to have power in any way that could be used as an advantage over someone else in the industry. The control of a ledger is a valuable asset, and competitive organizations generally have concerns in allowing one entity to control this asset. If not hosted in a neutral environment for the community's benefit, network control can become a leverage point over network users.

We see this neutrality of control challenge as the primary reason why some privately held networks have struggled to gain widespread adoption. In order to encourage participation,

industry leaders are looking for a neutral governance structure, and the Linux Foundation has proven the open governance models accomplish that exceptionally well.

This neutrality of control issue is very similar to the rationale for public utilities. Because the economic model mirrors a public utility, we debated calling these “industry utility networks.” In our conversations, we have learned industry participants are open to sharing the cost burden to stand up and maintain a utility. Still, they want a low-cost, not profit-maximizing model. That is why our nonprofit model makes the most sense.

It’s also not a public utility in that each network we foresee today would be restricted in participation to those who have a stake in the network, not any random person in the world. There’s a layer of human trust that our communities have been enabling on top of distributed networks, which started with the Trust over IP Foundation.

Unlike public cryptocurrency networks where anyone can view the ledger or submit proposed transactions, industries have a natural need to limit access to legitimate parties in their industry. With minor adjustments to address the need for policies for transactions on the network, we believe a similar governance model applied to distributed ledger ecosystems can resolve concerns about the neutrality of control.

## **Understanding LF Open Governance Networks**

Open Governance Networks can be reduced to the following building block components:

- **Business Governance:** Networks need a decision-making body to establish core policies (e.g., network policies), make funding and budget decisions,

contracting with a network manager, and other business matters necessary for the network's success. The Linux Foundation establishes a governing board to manage the business governance.

- Technical Governance: Networks will require software. A technical open source community will openly maintain the software, specifications, or configuration decisions implemented by the network nodes. The Linux Foundation establishes a technical steering committee to oversee technical projects, configurations, working groups, etc.
- Transaction Entity: Networks will require a transaction entity that will a) act as counterparty to agreements with parties transacting on the network, b) collect fees from participants, and c) execute contracts for operational support (e.g., hiring a network manager).

Of these building blocks, the Linux Foundation already offers its communities the Business and Technical Governance needed for Open Governance Networks. The final component is the new, LF Open Governance Networks.

LF Open Governance Networks will enable our communities to establish their own Open Governance Network and have an entity to process agreements and collect transaction fees. This new entity is a Delaware nonprofit, a nonstock corporation that will maximize utility and not profit. Through agreements with the Linux Foundation, LF Governance Networks will be available to Open Governance Networks hosted at the Linux Foundation.

If you're interested in learning more about hosting an Open Governance Network at the Linux Foundation, please contact us at **[governancenetworks@linuxfoundation.org](mailto:governancenetworks@linuxfoundation.org)**

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