



 <https://github.com/spiffe/tornjak>

 [#tornjak](https://spiffe.slack.com)

Contact information:

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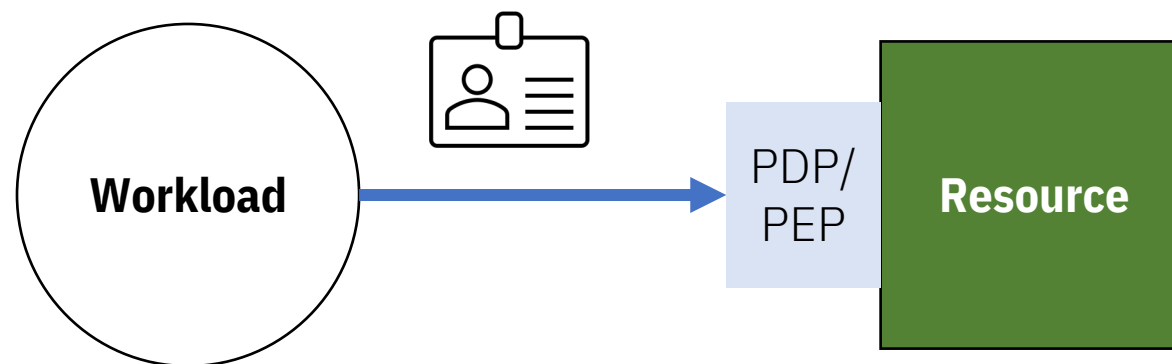
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Tornjak –

Towards manageable workload identity

- Cloud architecture poses increased security challenges
- **Zero Trust** aims to restrict resource access
- **Workload identity** is a key subproblem





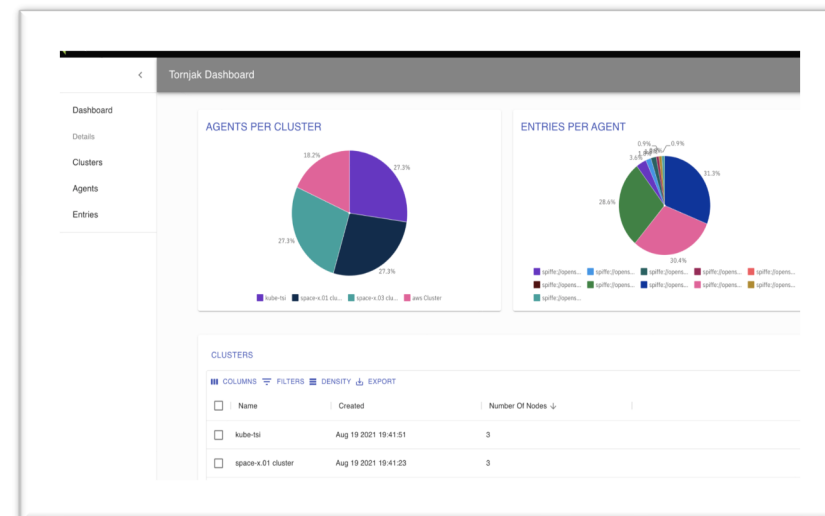
“Secure Production Identity Framework For Everyone”



“SPIFFE Runtime Environment”



“Control Plane for SPIRE”





Tornjak –

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- **SPIRE:** an industry-grade tool to provide workload identity
- Tornjak: **to improve the SPIRE user experience**
- Tornjak was born in IBM and donated to CNCF in 2021
- IBM-managed project involving full-stack development
- Relatively smaller project in well-established larger community
– **opportunity for BIG IMPACT!**



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Potential contributions (and estimated difficulties out of 5):

- **Testing** of frontend and backend deployment (1-2)
- **Documentation** improvement (1)
- **Deployment** file development (3)
- New **backend or frontend** functionality (2-4)
 - API documentation auto-generation (2)
 - Improved log visibility (4)
 - Frontend/Backend Unit/Scale test development (3)
 - Bug patching (2)
 - Write demo tutorials (3)

Potential Skills Used:

- **Git and Markdown**
- **Golang** for backend development
- **Javascript/React** for frontend development
- **Makefiles + Docker** for image building
- **Kubernetes + YAML + Helm** for deployment file development