



EDGE X FOUNDRY™

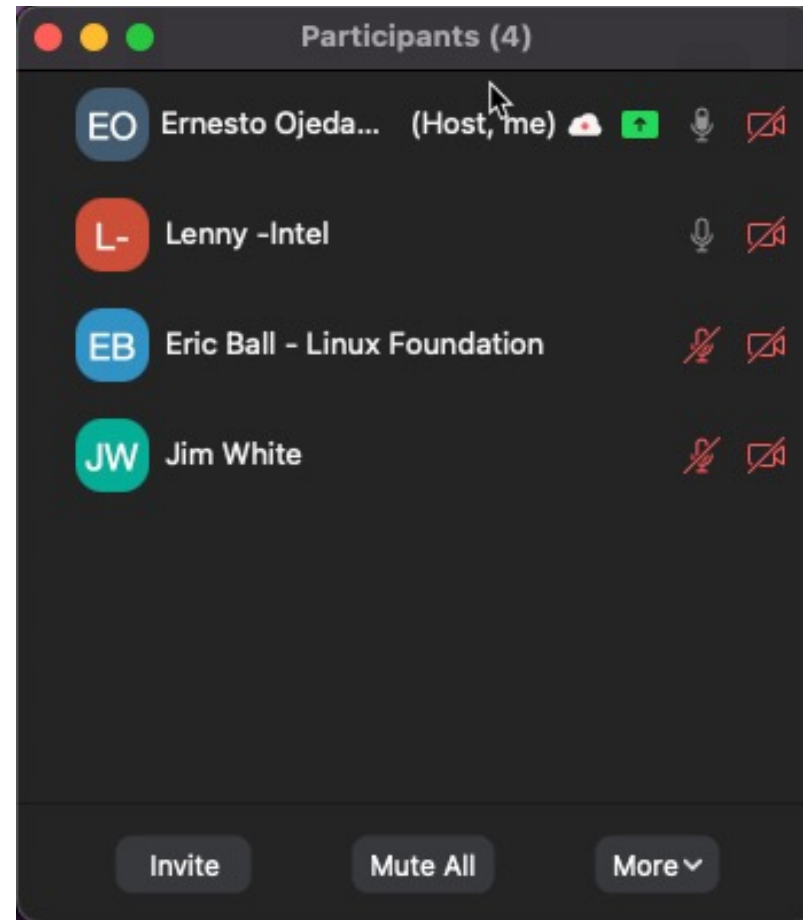
# DevOps Working Group

Thursday July 21, 2022

# Agenda

Time	Topic	Ow1ner
5 Min	DevOps Updates	Ernesto
15 Min	Local “make docker” optimizations for edgex-go	Ernesto
5 Min	AOB / Opens	Ernesto

# Attendees



# DevOps WG Update

## Pipeline Related

- [#400](#) [Complete] Go 1.18 upgrade for Go pipelines.
- [#401](#) [In Progress] mkdocs support for variables
- [#402](#) [Complete] htmlproofer checks on each edgex-docs PR
- [#407](#) [Backlog] Standardize make version between Jenkins and Snap builds

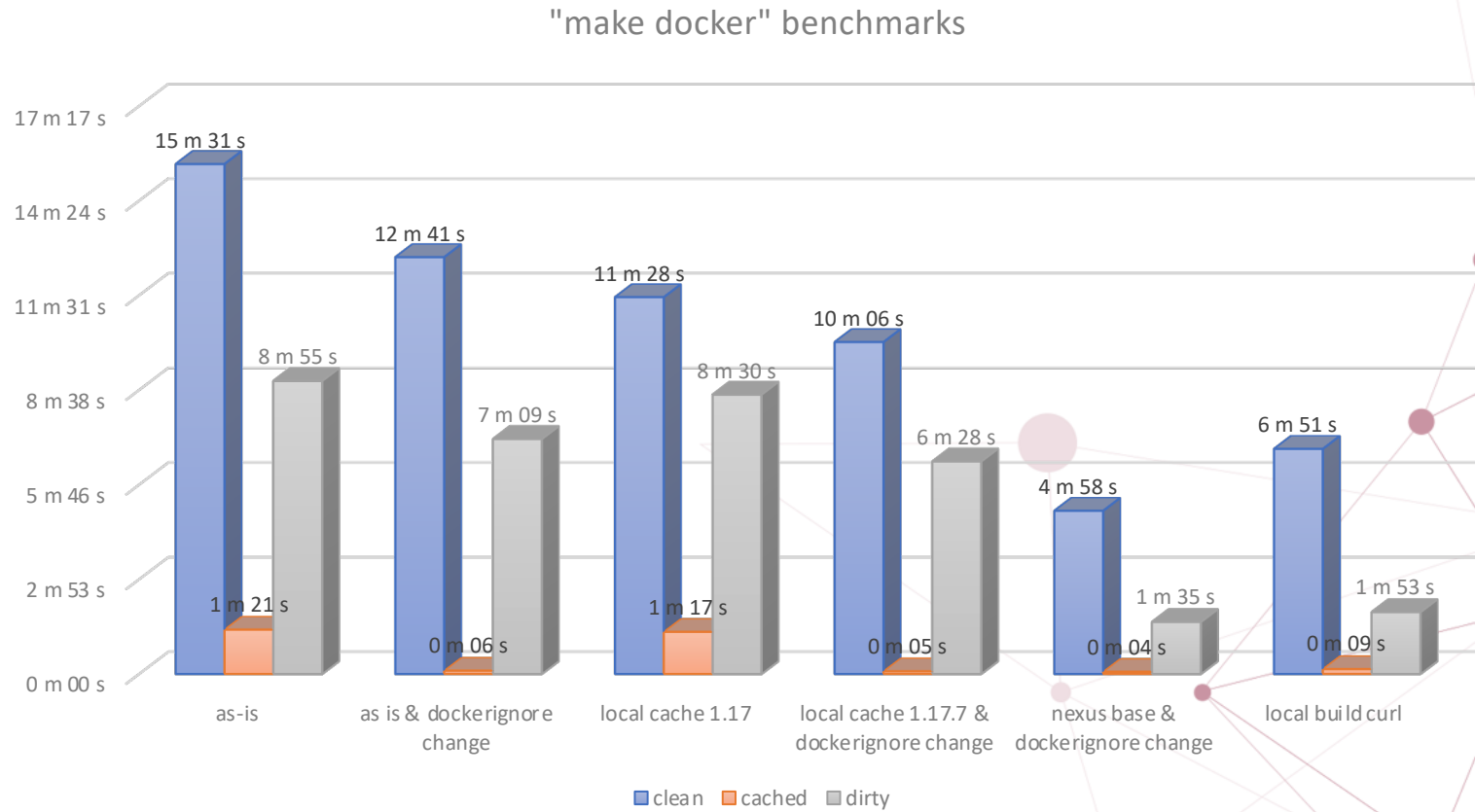
## Other

- [#389](#) [Review] Help optimize local developer make docker builds

# Make docker optimization

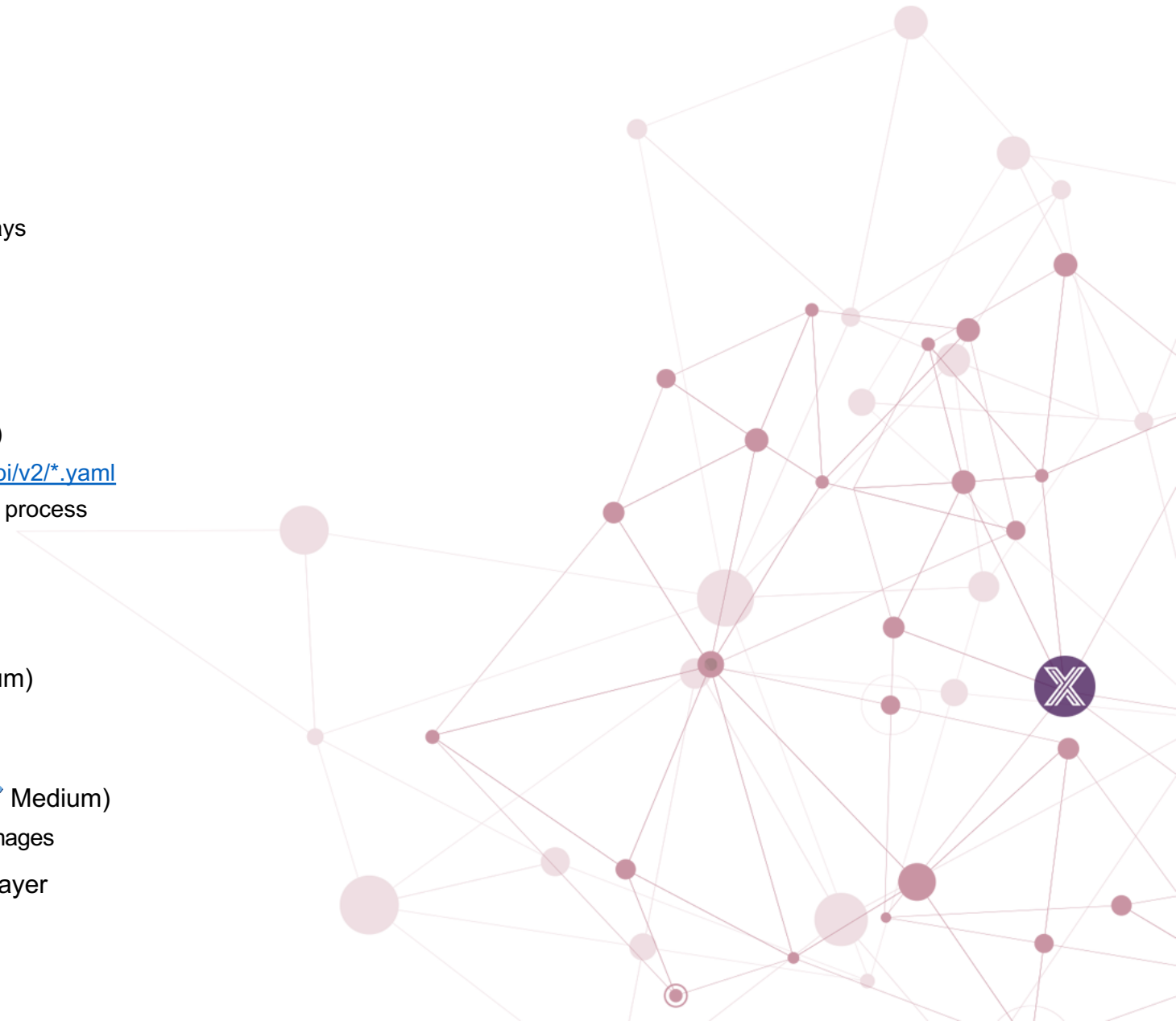
- .git directory is large (min 160MB) and docker context takes a few seconds to copy (depends on underlying hardware)
- Currently go modules are downloaded for each docker image that is built
- Spire compilation downloads specific go version and re-downloads go modules
- Due to different cache layers, build cache, dangling images are quite large (15-22GB)

# Make docker benchmarks



# DevOps Levski Scope

- htmlprooferchecks on each edgex-docs PR (👤 Small)
  - Plugin in for yaml disabled –task to enable it in the pipeline always
- Makedocs–support for variables (👤 Small)
  - Research first
  - Understand impacts on Htmlproofer
  - This would help with docs as well as API docs
- Automate version bump in swagger api files on release (👤 Small)
  - i.e. [https://github.com/edgexfoundry/edgex-go/blob/main/openapi/v2/\\*.yaml](https://github.com/edgexfoundry/edgex-go/blob/main/openapi/v2/*.yaml)
  - Modification to global libraries; adding a new step in the release process
  - Done manually today
- Assist GUI team to automate testing –Jim to coordinate with GUI
  - Size TBD
- Create a consistent make version target in the Makefile (👤 Medium)
  - snaps and CI/CD share the same version
  - Requires touching most repositories
- Having our own SPIFFE/SPIRE Nexus image for use in builds (👤 Medium)
  - Temporary solution until the Spire team has their own multi-arch images
- Optimize local edgex-go builds using a local image as a caching layer



# Notes

