



EDGE X FOUNDRY™

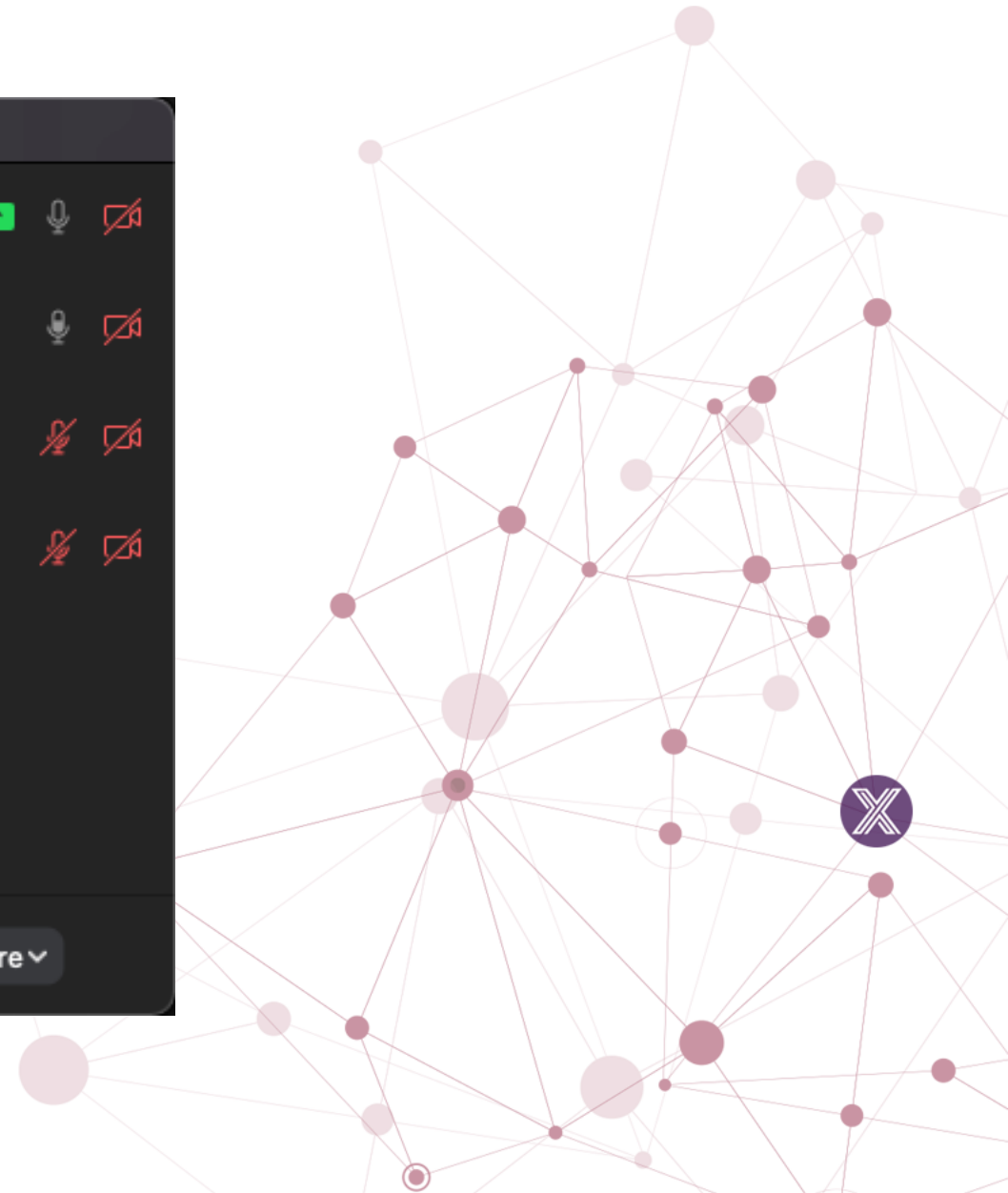
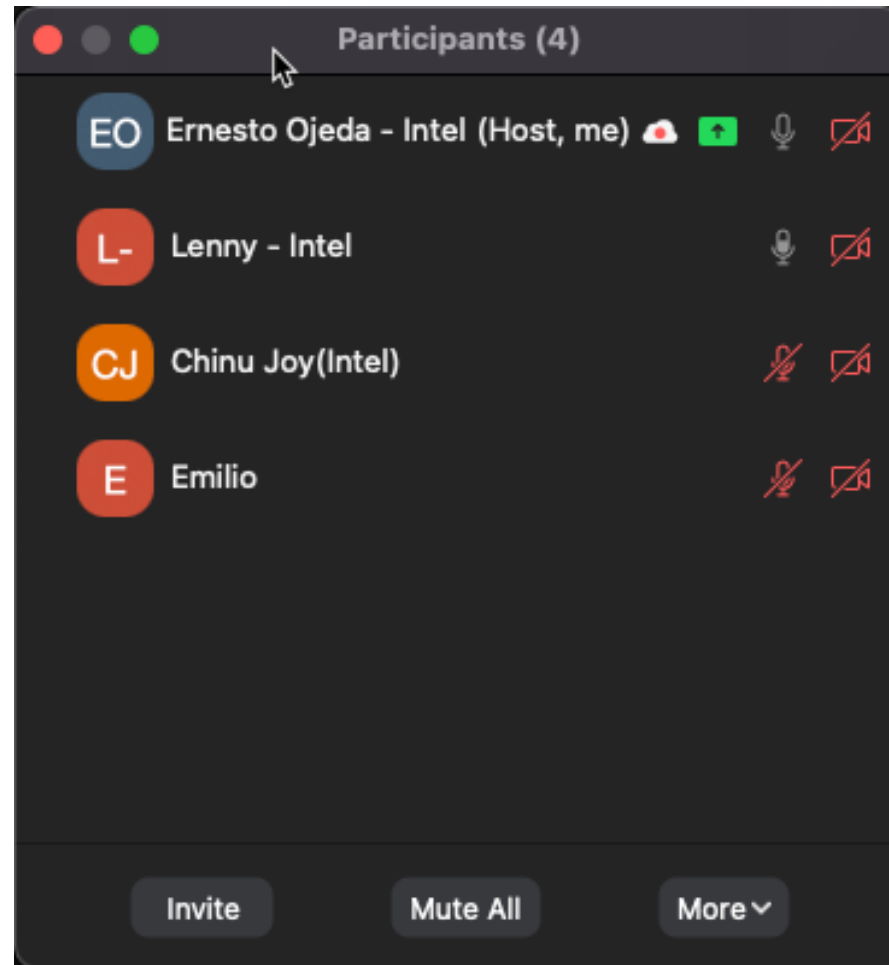
DevOps Working Group

Thursday June 23, 2022

Agenda

Time	Topic	Owner
5 Min	DevOps Updates	Ernesto
10-15 Min	Local “make docker” optimizations	All
5 Min	AOB / Opens	Ernesto

Attendees



DevOps WG Update

Pipeline Related

- [#400](#) [Hold] Go 1.18 upgrade for Go pipelines.
- [#401](#) [In Progress] mkdocs support for variables
- [#402](#) [In Progress] htmlproofer checks on each edgex-docs PR

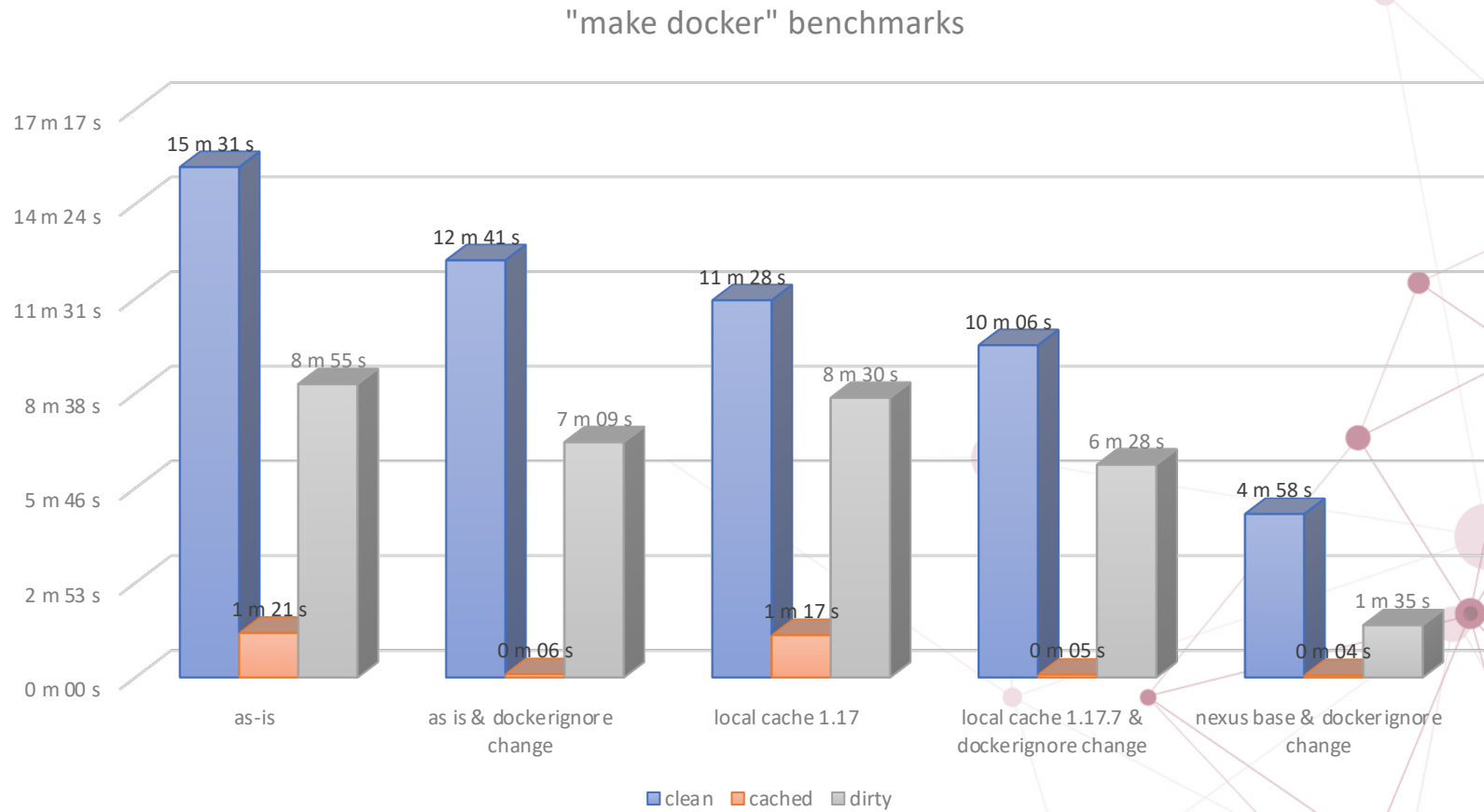
Other

- [#389](#) [In Progress] Help optimize local developer make docker builds
- [Complete] Re-release edgex-examples to trigger new GitHub Action release automation
 - <https://github.com/edgexfoundry/edgex-examples/releases/tag/v2.2.0>

Make docker optimization

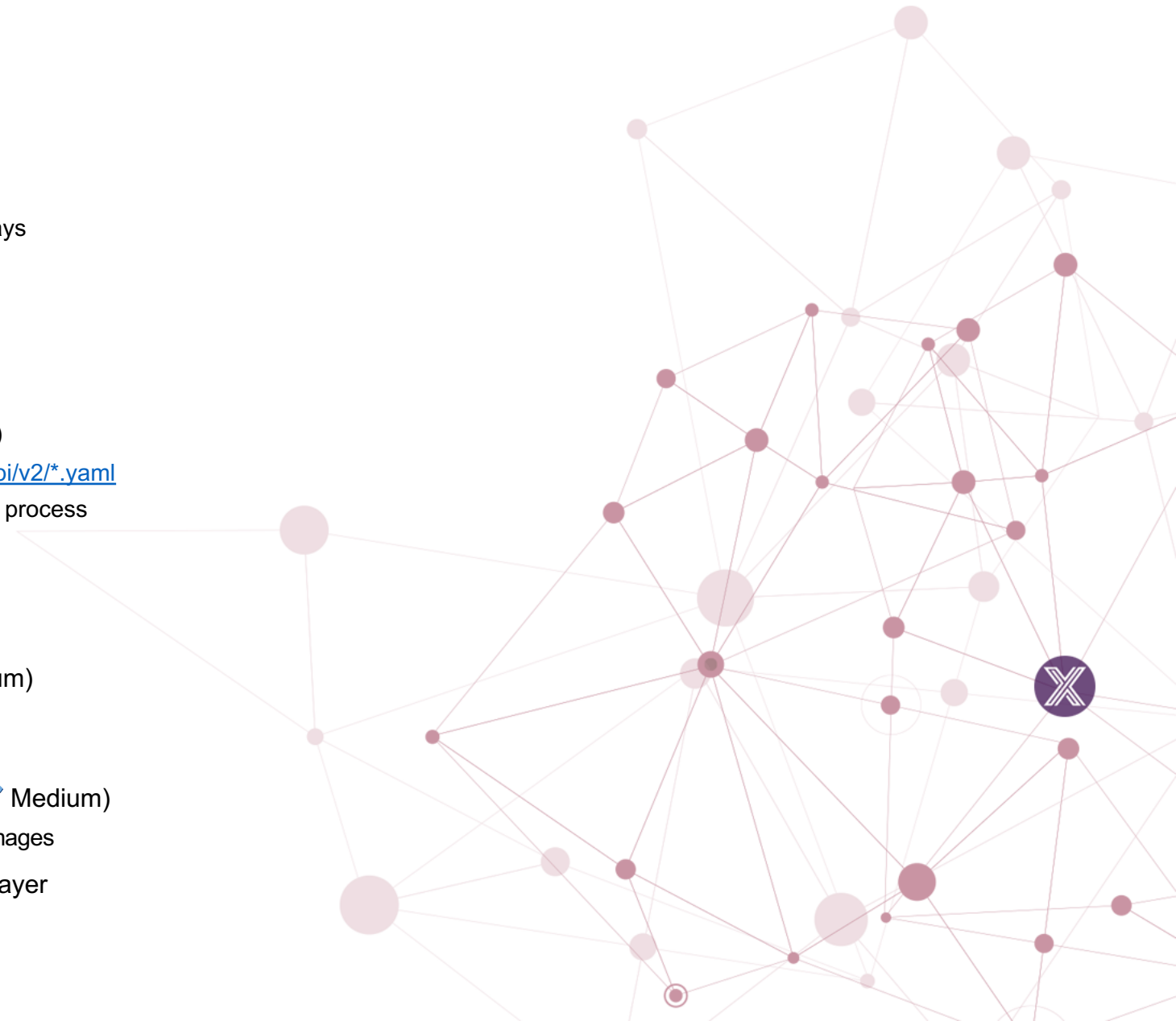
- .git directory is large (min 160MB) and docker context takes a few seconds to copy (depends on underlying hardware)
- Currently go modules are downloaded for each docker image that is built
- Spire compilation downloads specific go version and re-downloads go modules
- Due to different cache layers,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

