# Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Owner</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Min</td>
<td>DevOps Updates</td>
<td>Ernesto</td>
</tr>
<tr>
<td>10-15 Min</td>
<td>Docker image size optimization</td>
<td>All</td>
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<tr>
<td>5 Min</td>
<td>AOB / Opens</td>
<td>Ernesto</td>
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Attendees

- Ernesto Ojeda (Intel) (Host, me)
- Lenny - Intel
- Farshid Tavakolizadeh - Canonical
- Jim White
DevOps WG Update

Pipeline Related

• #390 [Complete] Fix version mismatch issues for Go based LTS builds
• #388 [Complete] Optimize edgex-go SPIFFE/Spire docker image builds
• #400 [Hold] Go 1.18 upgrade for Go pipelines.

Other

• [Complete] Jakarta LTS Patch Release Support
• #389 [Backlog] Help optimize local developer make docker builds
• #391 [Complete] Add repo badges to README for device-onvif-camera
• #392 [Complete] Add repo badges to README for device-usb-camera
• #395 [Complete] Investigate Snyk go.mod scans for Jakarta
Docker image size optimization

• Current Kamakura **image size data**

<table>
<thead>
<tr>
<th>Micro service</th>
<th>Current Image Footprint</th>
<th>Prior Release Image Footprint</th>
<th>Current Executable Footprint</th>
<th>Prior Release Executable Footprint</th>
</tr>
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• Options:
  • Remove symbol table & debugging info: `-ldflags="-s -w"`
  • [docker-slim](https://github.com/docker-slim) project can potentially reduce image size 30x

• Biggest pain points?
  • DevOps against modifying 3rd party images (consul, vault, redis, etc)
DevOps Levski Scope

- htmlproofer checks 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)
  - 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

• Decision is not to use docker-slim