## Agenda

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
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<tr>
<td>5 Min</td>
<td>DevOps Updates</td>
<td>Ernesto</td>
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<td>10 Min</td>
<td>EdgeX Napa Scope</td>
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<td>GitHub Release Demo</td>
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<td>Gotestfmt Demo</td>
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Attendees

- **EO**: Ernesto Ojeda (Intel) (Host, me)
- **JW**: Jim White
- **MI**: Marc Intel
- **J-**: Jim2 - share docs
DevOps WG Update

Pipeline Related

• #435 [Complete] Named/Vanity (i.e minor 3.x) tag automation on release
• #436 [Complete] Generate GitHub releases on tag creation via GitHub actions
• #437 [Complete] POC gotesttools/gotestfmt for better unit test output in Jenkins pipelines

Other

• Project Alvarium needs help trying to figure out the best path forward for EdgeX/Jenkins integration. Need help from the LF to configure a Jenkins instance.
• edgex-docs mkdocs upgrade and pipeline changes
Napa 3.1.0: DevOps Scope

Release: November 2023

- Named/Vanity (i.e minor 3.x) tag automation on release.
- Generate GitHub releases on tag creation via GitHub actions.
- POC gotesttools/gotestfmt for better unit test output in Jenkins pipelines.
- Address missing commits in changelog due to issue with “!” in the commit type. Bug with https://github.com/git-chglog/git-chglog/issues/235
- Fully Automate DockerHub description/overview updates.
- Go version upgrades (if applicable).
- Misc release automation cleanup. Need to followup with Bill and Lenny on this.
GitHub Release Demo

Overview:

• After the Minnesota release, it was requested that we create a full GitHub Release with every associated release tag that is pushed.
• Final solution is GitHub Actions based.
• GitHub Actions allows for easy Release creation on when tags of a specific regex is pushed.
• Automatic change log can be generated based on commit history, or custom code can be used to extract relevant release information from CHANGELOG.md
• Reusable workflow in edgex-global-pipelines can be used for faster rollout.
Gotestfmt Demo

Overview:

• [https://github.com/GoTestTools/gotestfmt](https://github.com/GoTestTools/gotestfmt)
gotestfmt: go test output for humans

• Easy to use, can be turned on just for CI system

```
set -euo pipefail
go test -json -v ./* 2>&1 | tee /tmp/gotest.log | gotestfmt
```
Notes

gotestfmt Example failed test output

✓ TestFilterByDeviceName/Valid_FilterOut_Parameters (0s)
✓ TestFilterByDeviceName/Valid_Parameters (0s)
✓ TestFilterByResourceName (0s)
✓ TestFilterByProfileName/Empty_FilterOut_Parameters (0s)
✓ TestFilterByProfileName/Empty_Parameters (0s)
✓ TestFilterByProfileName/Non_Existing_Parameters (0s)
configurable_test.go:49:
  Error Trace: /Users/eojeda/Intel/code/EdgeX/app-functions-sdk-go/internal/app/configurable_test.go:49
  Error: Expected value not to be nil.
  Test: TestFilterByProfileName/Non_Existing_Parameters
  Messages: return result from FilterByProfileName should not be nil
✓ TestFilterByProfileName/Valid_FilterOut_Parameters (0s)
✓ TestFilterByProfileName/Valid_Parameters (0s)
✓ TestFilterByResourceName (0s)
✓ TestFilterByResourceName/Empty_FilterOut_Parameters (0s)
✓ TestFilterByResourceName/Empty_Parameters (0s)
✓ TestFilterByResourceName/Non_Existing_Parameters (0s)
✓ TestFilterByResourceName/Valid_FilterOut_Parameters (0s)
✓ TestFilterByResourceName/Valid_Parameters (0s)