



# ONAP Normative Container Base Images

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Dashboard / ... / [ptls] 2018 PTL Minutes 4 view(s)

## PTL 2018-10-08

Created by Gildas Lanilis, last modified on Oct 08, 2018

08 Oct 2018

2018 PTL Recordings

Zoom Chat Log

Duration 60 minutes

Duration	Agenda Item	Requested by	Notes / Links
<b>START RECORDING</b>			
	ONAP Normative container base images	@ Adolfo Perez-Duran	ONAP Normative container base images. These improvements will be part of Dublin Release. Recommendation is to upgrade to the ONAP Normative container base images no later than M3.

# ONAP Normative Container Base Images

## ONAP Normative container base images

Created by Adolfo Perez-Duran, last modified on Oct 16, 2018

### Rationale

The ONAP developer community and early adopters have expressed concern with the size of the images. A strong rationale is to optimize ONAP image sizes. Images contained the in official repositories have clear documentation, promote best practices and support common use cases. Using the base images provided here, users could still build a custom images with just the necessary pre-compiled libraries to save space.

### Guidelines

ONAP projects are encouraged to use the images listed below.

These images can be sourced from official, curated repositories, for example <https://hub.docker.com/explore/?page=1>

### Recommended base images

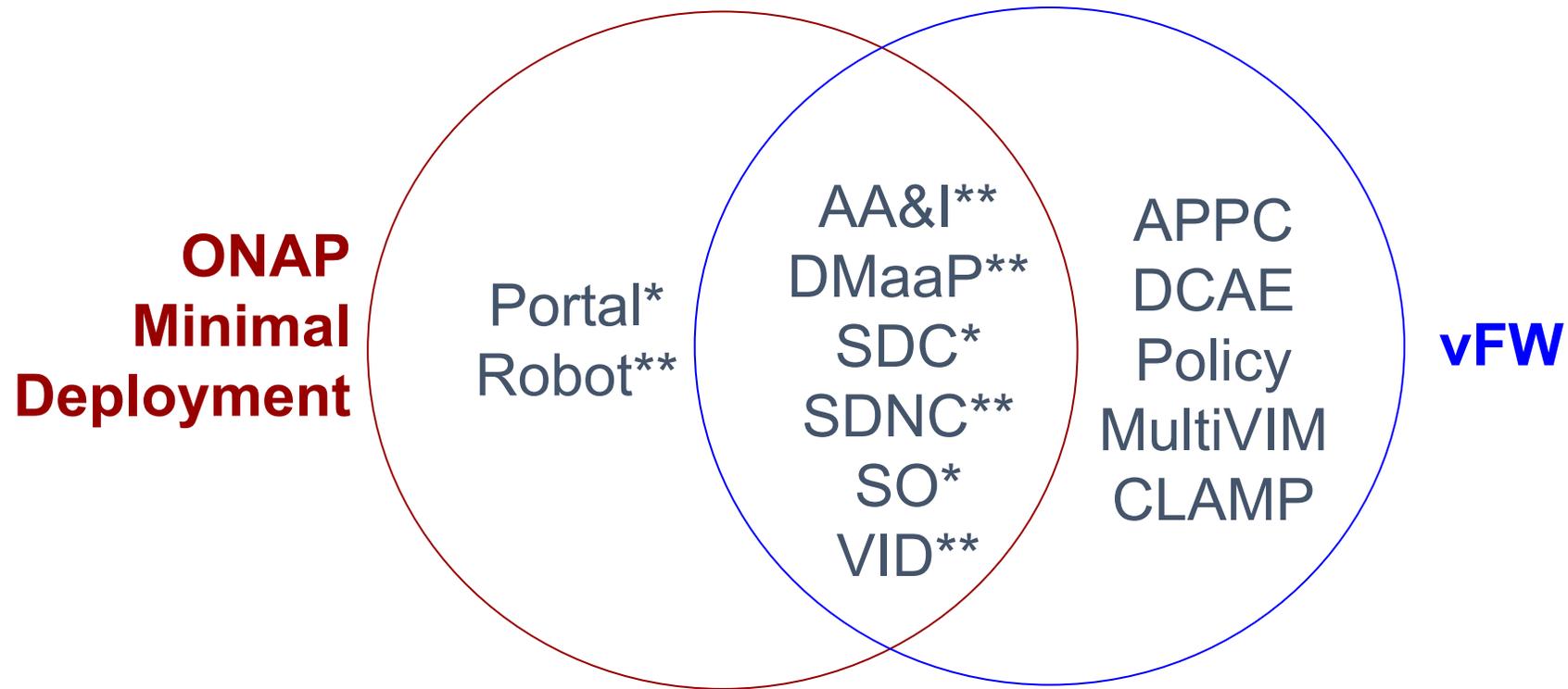
Current Base Image	Recommended Base Image**	Supports multi-CPU deployments
alpine alpine:3.3 alpine:3.6 alpine:3.7	alpine:3.8	Yes
busybox:latest	busybox:1.29.2	Yes
java:8	openjdk:8-alpine	Yes

# Footprint Minimization

Considered a Manageability must-have for Dublin.

Normative Base Images are a key component of the effort.

# Dublin Scope



vFW Source: <https://wiki.onap.org/pages/viewpage.action?pageId=3246170>

# Approach

Non-disruptive

Collaborative

Incremental

# We won't

Do the work if your team has already done it.

Do the work if your teams wants do it.

Modify behavior/logic of any service (container).

# Testing

Image structural check.

Container sanity check.

Testing recommended by your team.

Existing Integration/Pairwise testing  
(in coordination with the Integration team)



**Build a smaller container,  
preserve its contents.**

# Multi-Platform Support: Risk Mitigation\*

Preserves current work.

Doesn't slow down current Jenkins jobs.

Uses existing *parallel* build pipeline.

Failing multi-cpu builds due to unmet *external dependencies* become *non-blocking*.

Validate container images needed for each use case.

Validate changes/support testing efforts.

Review/Accept patches.

# Multi-Architecture Support

Adjust build jobs.

CI/CD team (2 FTE contributors to Integration testing).

Lab. for Integration testing (336 Cores, 448 Gb).

# Ongoing Conversation

