<table>
<thead>
<tr>
<th>Charter</th>
<th>Architecture Principles</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.b. ONAP will include <strong>product / service / resource agnostic</strong> platform modules for lifecycle management</td>
<td>All components should be software-based with <strong>no dependency on hardware platform</strong>.</td>
</tr>
<tr>
<td></td>
<td>..the <strong>cloud platform implementation</strong> should be pluggable and <strong>transparent to the ONAP components</strong>.</td>
</tr>
<tr>
<td></td>
<td>The ability for ONAP to be used by various users worldwide dictates the need to <strong>avoid dependency on any single supplier(s)</strong>.</td>
</tr>
</tbody>
</table>
OCI Container Image Specification supports multi-cpu architecture.

ONAP images will be able to support multiple cpu architectures in Dublin.

Usability and deployability* of ONAP containers will improve across architectures and platforms.
Operators will be able to run ONAP on the infrastructure of their choice.

Users no longer need workarounds, such as adding an architecture-specific prefix to release image tags.
OCI Image Index Specification

A higher-level *manifest*

Points to specific image manifests

Ideal for one or more platforms
OCI “Fat” Manifest/List

manifests
  platform
    architecture
    os
    os.features
    os.version
    variant

*Only relevant attributes are shown.*
OCI “Fat” Manifest/List
Bottom Line

A single image tag supports multiple platforms (cpu architecture, os, etc)
Docker Support

“docker manifest”

Experimental feature

Must be explicitly enabled
Multi-CPU Image - Tutorial

https://wiki.onap.org/display/DW/Building+a+Multi-CPU+Architecture+Container+Image

OCI Image Index

https://github.com/opencontainers/image-spec/blob/master/image-index.md

ONAP CIA Project

https://wiki.onap.org/pages/viewpage.action?pageId=34375682