KNI PAE Release Notes

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Release Notes for the KNI Provider Access Edge

Summary

The Provider Access Edge blueprint aims to provide a platform for running NFV (e.g. vRAN, vBNG, SEBA) and MEC (e.g. MobileEdgeX) workloads on a small footprint, self-managing Kubernetes-on-bare metal cluster. The release 1 blueprint supports managing a whole edge stack only using Kubernetes resource configs (manifests). Edge stacks created with this blueprint can run both containerised and VM-based workloads (via KubeVirt) on a common platform. Release 1 also includes multi-network support (via Multus). Applications on top of this platform are managed via the Operator Framework.

What is Released

Components of the release (Akraino new)

Installer simplifying CI/CD based blueprint deployments into AWS, libvirt, and bare metal using the upstream OpenShift Kubernetes Distro (OKD).

All our code is released under Apache license: https://www.apache.org/licenses/LICENSE-2.0.html

Dependencies of the release (upstream version, patches)

- OKD v4.1.rc7
- KubeVirt v0.17.0
- Multus commit 05ba224c

Upgrade Procedures

N/A

Release Data

Enhancements

N/A

Functionality changes

N/A

New Features

N/A

Version change

1.0.0

Module version changes

N/A

Document Version Changes

Version No.	Date	Author	Rationale
0.1	30-May-2019	KNI Blueprint Team	First Draft

Deliverable

Software Deliverable

Software is available in the Akraino KNI repo.

Documentation Deliverable

- Architecture Document
- Installation Guide
- Release Notes

Fixed Issues and Bugs

N/A

Known Limitations, Issues and Workarounds

System Limitations

Support for Tungsten and Kubeflow to be added in a future point-release.

Known Issues

N/A

Workarounds

N/A