

ICN R6 Release Notes

- [Summary](#)
- [What is released?](#)
 - [Components of the release \(Akraino new\)](#)
 - [Software released and packaged with ICN:](#)
- [Dependencies of the release \(upstream version, patches\)](#)
- [Upgrade Procedures](#)
- [Release Data](#)
 - [Enhancements](#)
 - [Functionality changes](#)
 - [New Features](#)
 - [Version change](#)
 - [Module version changes](#)
 - [Document Version Changes](#)
 - [Deliverable](#)
 - [Software Deliverable](#)
 - [Documentation Deliverable](#)
 - [Document Version Changes](#)
 - [Fixed Issues and Bugs](#)
- [Known Limitations, Issues and Workarounds](#)
 - [System Limitations](#)
 - [Known Issues](#)
- [References](#)

Summary

ICN v0.6.0 is released as a part of ICN R6 release.

What is released?

We're pleased to announce the delivery of Akraino ICN R6 release. All the components are decoupled and can be run standalone. They are integrated into the ICN installation script.

Components of the release (Akraino new)

The main themes of this release are:

Cluster API: The Binary Provisioning Agent (BPA) and Kubernetes Deplooment (KuD) components have been replaced by Cluster API.

Flux: Declarative day-0 configuration of K8s clusters is provided via Flux version 2. Day-2 configuration is provided with Flux's GitOps workflows.

Redfish virtual media: It is now possible and preferred to provision bare metal with Redfish virtual media. This allows DHCP-less provisioning and provides a more secure alternative to IPMI based provisioning.

Software released and packaged with ICN:

Components	Link	License
Core software	https://github.com/akraino-edge-stack/icn/blob/master/doc/software-bom.md	Varies
SDEWAN controller	https://github.com/akraino-edge-stack/icn-sdwan - v1.0 https://hub.docker.com/repository/docker/integratedcloudnative/sdwan-controller - 0.3.0	Apache License 2.0

Dependencies of the release (upstream version, patches)

ICN BP depends on all software version in the table [Software released and packaged with ICN](#)

Upgrade Procedures

not applicable

Release Data

TBD

Enhancements

Functionality changes

not applicable

New Features

not applicable

Version change

Module version changes

not applicable

Document Version Changes

not applicable

Deliverable

Software Deliverable

ICN repo is available here: [ICN repo](#)

Documentation Deliverable

version	Documents name	Authors	last update
v0.6.0	ICN Architecture Document	ICN Contributors	10 Mar 2022
v0.6.0	ICN Installation Guide	ICN Contributors	10 Mar 2022
v0.6.0	ICN Release Notes for ICN	ICN Contributors	10 Mar 2022
v0.6.0	ICN Test Document	ICN Contributors	10 Mar 2022

Document Version Changes

Version	Authors	Data released
v1.0	ICN Contributors	10 Dec 2020

Fixed Issues and Bugs

Issues are captured here: [ICN All issues](#)

Known Limitations, Issues and Workarounds

System Limitations

ICN BP works on Ubuntu 18.04 and Ubuntu 20.04

Known Issues

Open issues are captured here: [ICN Open issues](#)

Workarounds

no work applicable

References