

# Smart Cities R6 Release Notes

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## • Summary

This document provides the release notes for Smart Cities Blueprint in Akraino, which are available for aarch64 architectures.

- What is released
- **components of the release (Akraino new)**

Based on the parsec codebase of release 5, more functions are added in release 6. The basic requirements of smart cities are considered. a lightweight demonstration application is designed and implemented. The demo program integrates K3S, edgefaas, Parsec ,and Triton multiple open source platforms on SONiC gateway device, and completes the ability of network access security verification and computing power registration of heterogeneous computing resource.

- **dependencies of the release (upstream version, patches)**

NA

- **differences from previous version**

NA

- **Upgrade Procedures**

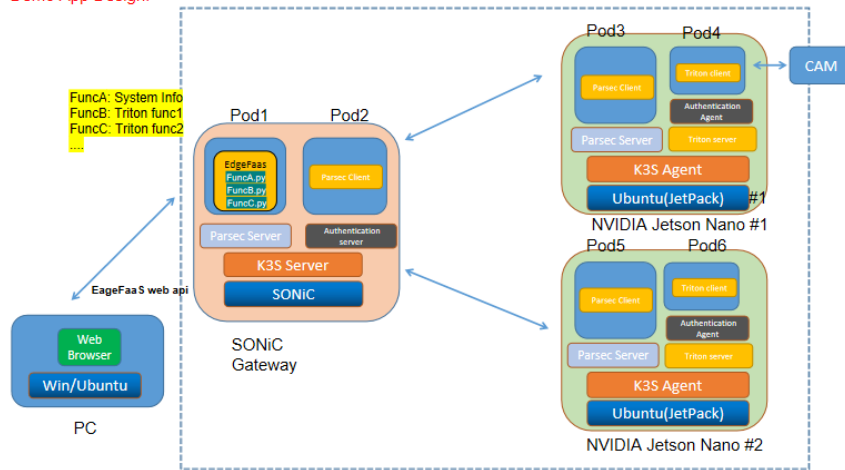
NA

- **Release Data**

For Release 6, the following demo app use cases will be released.

Based on this architecture, the following six use cases are implemented:

## Demo App Design:



Use case1: Device(NVIDIA Jetson Nano #1) join network. In this use case, parsec is used for authentication and encryption to realize the security authentication of devices newly joined to the network.

Use case2: Get cluster system info by EdgeFaaS from SONiC gateway.

Use case3: Image recognition by Triton on device(NVIDIA Jetson Nano #1).

Use case4: Get camera image by device(NVIDIA Jetson Nano #1) and provide to PC user.

Use case5: Update new Func on SONiC gateway by EdgeFaaS.

Use case5: PC get Api list by EdgeFaaS on SONiC gateway.

## • Known Limitations, Issues and Workarounds

NA

## • References

- Smart Cities Release 6 Installation Doc
- Smart Cities Release 6 Test Doc