# Network Cloud Family Overview

To seed the Akriano project, AT&T is contributing code designed for carrier-scale edge computing applications running in virtual machines and containers to support reliability and performance requirements. This seed code can be accessed via the following link. The installation procedure and additional details about the seed code can be found on this wiki page.

AT&T's initial seed code consists of Network Cloud Blueprint Family using Airship which is an upstream project in OpenStack. Airship is a collection of interoperable and loosely coupled open source tools that provide automated cloud provisioning and management in a declarative way. Airship helps operators take control of their infrastructure, by providing a declarative framework for defining and managing the life-cycle of open infrastructure tools and the hardware below. These tools include OpenStack for Virtual Machines, Kubernetes for container orchestration, and MaaS for bare metal, with support for OpenStack Ironic on the way. Some of the largest infrastructure operators in the world, including AT&T and SKT, are actively designing, testing, and deploying Airship to manage their complex infrastructure at scale. Further details about Airship can be found on this link.

**PLEASE REFER TO R1 NETWORK CLOUD RELEASE DOCUMENTATION**

NC Family Documentation - Release 1

**THIS DOCUMENTATION AND CHILDREN WILL BE ARCHIVED**

**Refer following pages for the install procedure**

High-level Architecture

CI & CD Process

Introduction to Workflow

Installation Overview

Install Guide - Regional Controller Node

Install Guide - Edge Node - Rover (Integrated, based on upstream Airship)

Install Guide - Edge Node - Unicycle (Integrated, based on upstream Airship)

Automated Testing - OpenStack Tempest

Glossary