Open Infrastructure
FOUNDATION

About the Open Infrastructure Foundation

The goal of the Open Infrastructure Foundation (OIF) is to build open source communities that write software that runs in production. The OIF serve developers, operators, and the entire open infrastructure ecosystem by providing a set of shared resources to build community, facilitate collaboration, and support integration of open source technologies. Learn more at **openinfra.dev**.

The OIF supports the development and adoption of open infrastructure globally, across a community of more than 100,000 individuals in 187 countries, by hosting open source projects and communities of practice, including private and hybrid cloud, edge computing, CI/CD, container infrastructure, machine learning and AI.

What is Open Infrastructure?

Open infrastructure—IT infrastructure built from open source components—provides a flexible, reliable, cost-efficient foundation for edge computing and data center infrastructure as well as emerging use cases including artificial intelligence, machine learning, CI/CD and network functions virtualization.

A city's infrastructure must evolve and adapt to support new regulations, projects and population increases, and a business' infrastructure experiences the same requirements. New demands are being placed on IT infrastructure with emerging use cases that are growing beyond what was initially imagined and workloads that are no longer contained to central data center, but pushed to the edge in cars, telephone poles, cameras and more.

The OIF recognizes this shift to open infrastructure and is embracing it by supporting communities that are helping to shape this movement. The OIF also recognizes that no single technology solution is going to support this transition, and the integration and knowledge sharing around these open technologies is key to successful implementation.

The 'Four Opens'

The OIF culture is built upon four open source guiding principles, which we believe are paramount to building vibrant, sustainable and truly collaborative communities.

1. Open Source
Open Source, not open core

2. Open Design
Public discussion and meetings to plan roadmap; focus on user input and direction

3. Open Development
All development activities (code repositories, reviews…) happen publicly with the ability for anyone to participate throughout the development process

4. Open Community
Representative governance, collaborative culture, level playing field

Upcoming OIF Open Infrastructure Events

Learn alongside the people building and operating open infrastructure across these communities of practice at Open Infrastructure events supported by the OIF: OpenDev + PTG and the Open Infrastructure Summit. Join thousands of people from over 50 countries to collaborate and build your IT infrastructure strategy.


AI


CI/CD


Containers


Edge Computing


Hybrid Cloud


HPC


NFV


Pulblic/Private Cloud

Find upcoming events at openinfra.dev/events

Open Infrastructure Communities & Projects Supported by the OIF

airship

Elevate Your Infrastructure

Airship is a collection of interoperable and loosely coupled open source tools that automates cloud provisioning and life cycle management in a completely declarative and predictable way. The focus of this project is the implementation of a declarative platform to introduce OpenStack on Kubernetes, and the ongoing lifecycle management of the resulting cloud.

Airshipit.org | @AirshipIt

kata containers

The Speed Of Containers, The Security Of VMs

Kata Containers is an open source project delivering increased container security and workload isolation through an implementation of lightweight virtual machines.

KataContainers.io | @KataContainers

openstack

Open Source Software For Creating Private And Public Clouds

OpenStack is an open source software project for creating private and public clouds, powering 75 public cloud data centers and thousands of private clouds at a scale of more than 10 million physical cores worldwide. Since launching in 2012, OpenStack has become one of the largest and most diverse open source projects in history.

OpenStack.org | @OpenStack

STARLINGX

A Fully Featured Cloud For The Distributed Edge

StarlingX is a complete cloud infrastructure software stack for the edge used by the most demanding applications in industrial IOT, telecom and other use cases. Based on mature production software deployed in mission critical applications, newly open sourced StarlingX code is the base for edge implementations in scalable solutions that can be productized now.

StarlingX.io | @StarlingX

ZUUL

Stop Merging Broken Code

Zuul is an open source CI/CD platform specializing in gating changes across multiple systems and applications before landing on a single patch.

Zuul-ci.org | @ZuulCI

OpenInfra Labs

Connecting Open Source Projects To Production

OpenInfra Labs is a community of infrastructure providers and operators. We integrate and optimize open source projects in production environments and publish complete, reproducible stacks for existing and emerging workloads.

OpenInfraLabs.org