

A fully featured cloud for distributed systems

StarlingX is a complete cloud infrastructure software stack for distributed systems suitable for use by the most demanding applications in industrial IOT, telecom, video delivery and other ultra-low latency use cases at scale. The platform is an implementation of the LOKI stack, as it creates a fusion between well known open source projects including the Linux kernel, OpenStack and Kubernetes. By utilizing container technologies, StarlingX deploys the infrastructure services in containers for increased manageability and flexibility, and also provides the possibility to provision sites with only containerized workloads.

StarlingX is a unique and highly scalable platform that can deploy and manage large data centers and geographically distributed systems alike with ease,

through high levels of automation and orchestration throughout the solution. Its Distributed Cloud architecture feature provides the capability to manage the end-to-end infrastructure centrally, through a single pane of glass. At the same time, sites at the network edge have the autonomy that is required for continuous operation, even in conditions such as unreliable connectivity. While the platform integrates well-known APIs to manage both workloads and infrastructure services, its unique project components provide fault management and service management among others to ensure high availability of user applications. The **StarlingX** community has optimized the solution for security, ultra-low latency, extremely high service uptime, and streamlined operation.



STARLINGX

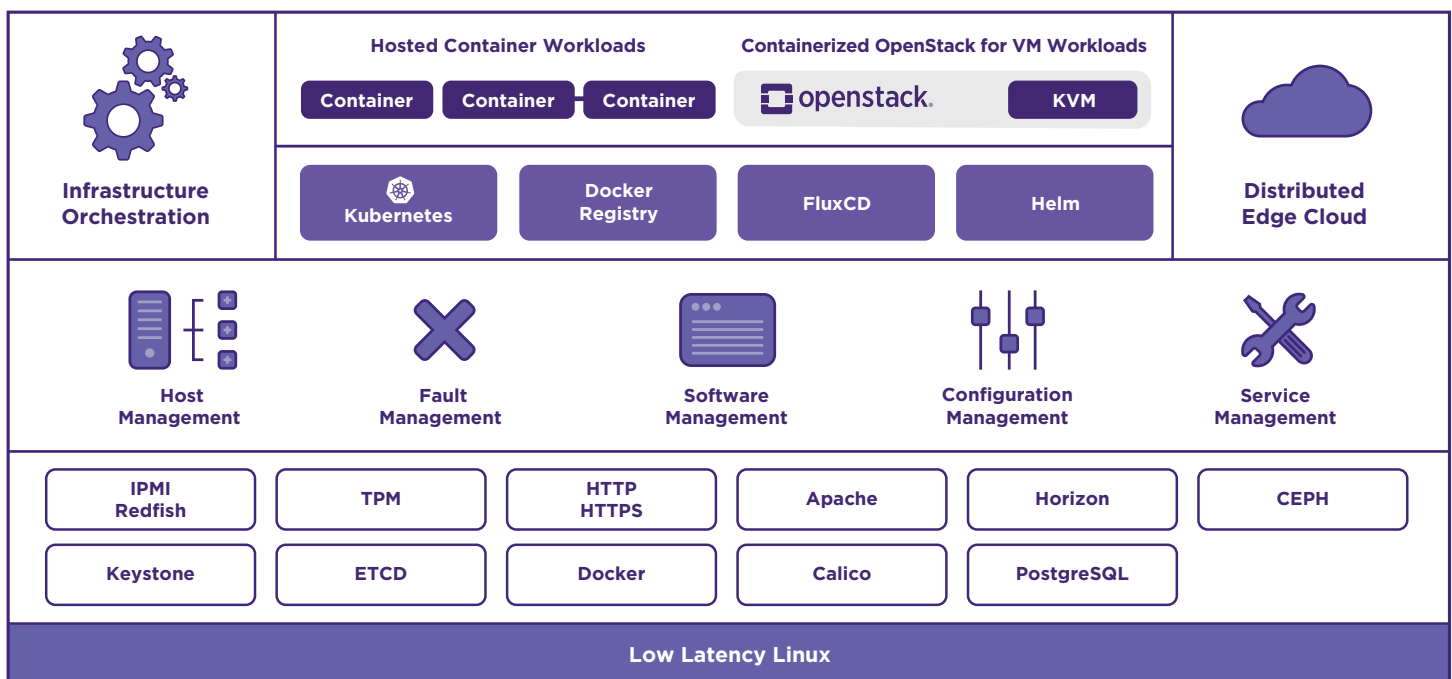
Join the Community

StarlingX is an independent open source community collaboratively developing code under the Apache 2 license. Anyone is welcome to join and contribute code, documentation, and use cases.

Get Involved

- Website:** starlingx.io
- Git:** opendev.org/starlingx
- Docs:** docs.starlingx.io
- OFTC IRC:** #starlingx
- Mailing Lists:** lists.starlingx.io
- E-mail:** info@starlingx.io

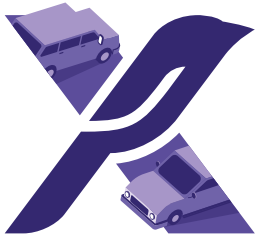
Distributed Cloud Platform



StarlingX Use Cases



Already the software infrastructure of choice for **5G** and **Open RAN** deployments around the globe, StarlingX is primed for a variety of emerging use cases that need a hardened, field-proven distributed solution.



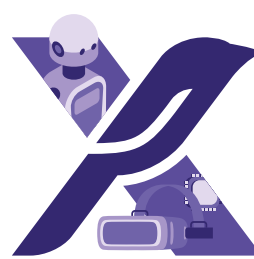
Compute infrastructure in vehicles is getting revolutionized to support the needs of **assisted** and **autonomous driving**.



Modern **healthcare** is producing large amounts of data that needs to be securely stored and processed. At the same time, innovative procedures can break the limits of physical presence through ultra-low latency.



The assembly line was just the first step of revolutionizing manufacturing. **Factory automation** is relying on real-time capabilities to safely operate mission critical workloads.



Cloud robotics is relying on cloud technologies to store and process large volumes of data. This allows robotic devices to be smaller and lighter, while creating a shared-brain environment through distributed systems.

StarlingX Features



Ultra-low Latency



Secure



Lifecycle Management



Reliability



Scalability



'Small Footprint'

Get started
with StarlingX



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