SUSE | WSO2CON NORTH AMERICA

From Bare Metal to AI-Native Developer Platforms: SUSE + WSO2 OpenChoreo

Hi, I'm Jay!

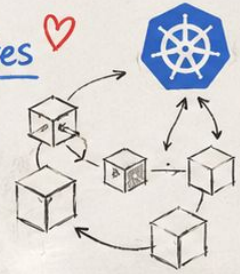
Developer. Problem Solver.
Lifelong Learner.

19 YEARS OF Red Hat

NEW CHAPTER SUSE

Love Kubernetes

- [x] Pods
- [x] Deployments
- [x] Services
- [ ] Scaling
- [ ] Resilience



Automation
Scalability
Reliability
Efficiency

I enjoy building things with:

Java python C++

```
#include <iostream>

int main() {
    std::cout << "Hello, World!" << std::endl;
    return 0;
}
```

Excited for what's next
Let's build something great!

SUSE

1992
Founded in Nuremberg

HQ
Luxembourg

40
Offices

2,600
Employees

$750m+
Revenue

10,000+
Enterprise Customers

90%+
Of the world's leading companies rely on SUSE [6]

Common Criteria SLSA

Top Supply Chain Security Certifications [3]

Developer contributions measured every day →

Publicly ranked alongside the largest technology companies

Consistently
Top 8 Top 12

CLOUD NATIVE COMPUTING FOUNDATION
OSCI

10/10
of the largest **Automotive** companies

13/15
of the largest **Pharmaceutical** companies

14/15
of the largest **Aerospace** companies

13/15
of the largest **FinServ** companies

Recognised leader in Container Management & Virtualization → [2]

Gartner IDC OMDIA

United Nations Global Compact

17% emissions reduction since 2022 [4]

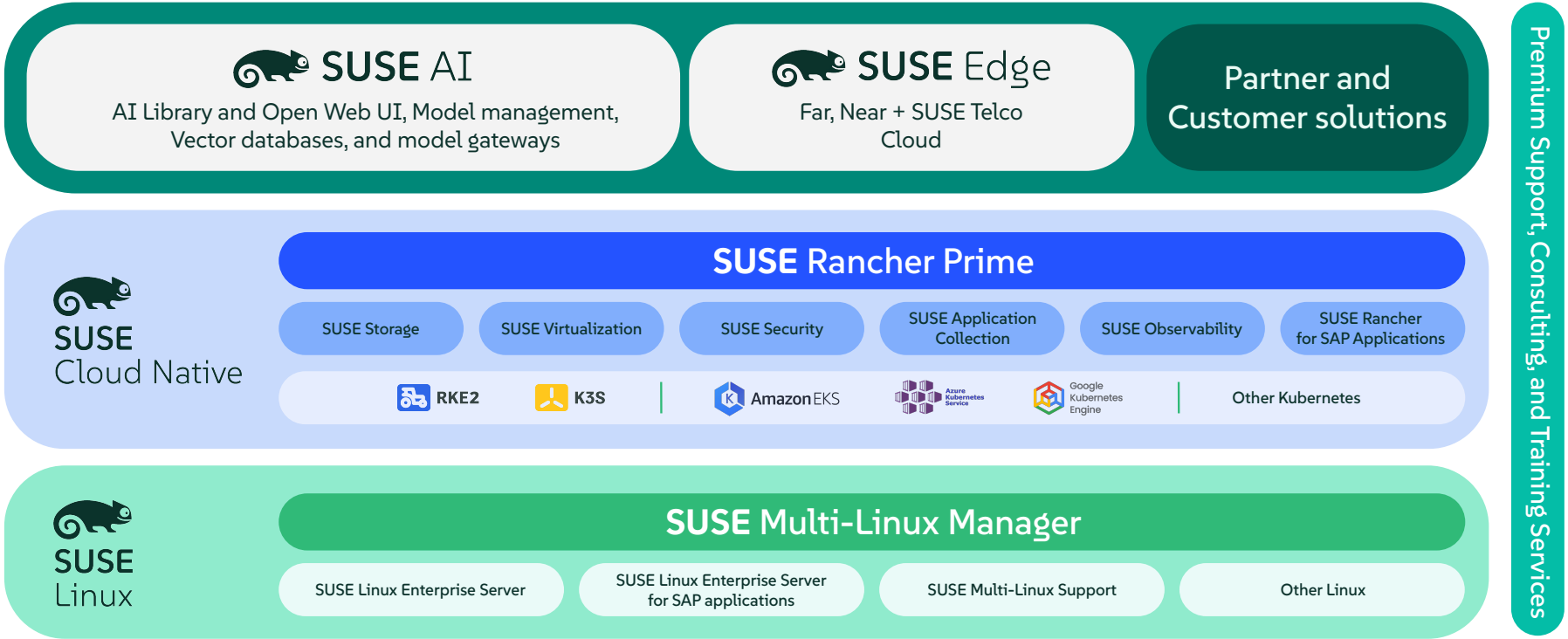
World-class ecosystem of partners
5 years in a row [5]

THE CHANNEL CO. CRN PARTNER PROGRAM GUIDE WINNER 2024

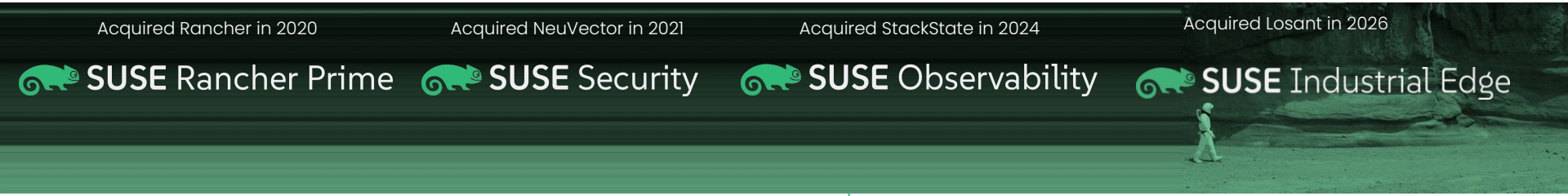
SUSE | WSO2CON NORTH AMERICA

[1] SUSE Company Data [2] Gartner Magic Quadrant + Omdia [3] Common Criteria, SLSA [4] The UN Global Compact [5] suse.com/partners [6] SUSE Customer Data

We deliver infrastructure software and services



SUSE – What we are doing - Where we are going



30 years of experience delivering highly-performant, mission-critical, and compliance-driven open-source software.

1,000's of customers trust SUSE's best-in-class operating system and enterprise container management solution to run, scale and transform their business.

OPEN SOURCE LEADERSHIP

CLOUD NATIVE COMPUTING FOUNDATION · OPEN CONTAINER INITIATIVE · THE LINUX FOUNDATION · LF NETWORKING · ELISA (ENABLING LINUX IN SAFETY APPLICATIONS)

O-RAN ALLIANCE · 5GAA Automotive Association · gaia-x · OpenPOWER · OPEN MAINFRAME PROJECT · openHPC

PARTNERS

portworx by Pure Storage · aws · Microsoft · Google · arm

ORACLE · HUAWEI · vmware · DXC.technology

DELL · Hewlett Packard Enterprise · intel · IBM · FUJITSU

AMD · CISCO · HCL · NVIDIA · Lenovo


Choice

Why Platform Engineering Matters and What happens if you don’t do it.

Complexity gets Worse

Every team builds their own way.
The result: sprawl, inconsistency, and friction.

Siloed Tools

Inconsistent Processes

Manual Workarounds

Security Gaps

Environment Sprawl

DEVELOPERS

- Wasted time
- Frustration and burnout
- Can't focus on building value

PLATFORM TEAMS

- Constant firefighting
- High cognitive load
- More tickets, less innovation

THE RESULT: Slower delivery. Higher costs. Unhappy teams.

The REAL BUSINESS COSTS!

Platform complexity doesn't just slow you down—it costs your business.

INCREASED COSTS

More tools, more licenses,
more manual work,
more cloud waste,
more people.

20–30%
higher operating costs

SLOWER TIME TO MARKET

Complex handoffs,
manual approvals,
environment delays,
and rework slow
everything down.

30–50%
slower delivery

LOWER AGILITY

Hard to adapt,
hard to scale,
hard to respond to change
or opportunities.

Reduced
market agility

HIGHER RISK

Inconsistent security,
shadow IT, and manual
processes create
compliance and
outage risks.

Higher
security &
compliance risk

DEVELOPER DISSATISFACTION

Poor developer experience
leads to low productivity,
high turnover,
and talent drain.

2–3x
higher
turnover risk

These costs add up—and impact every part of your business.

What it Really Means for your Business!

HIGHER TCO

More spend, less leverage.

LOST PRODUCTIVITY

Teams busy, but not productive.

MISSED OPPORTUNITIES

Slower to innovate and compete.

TALENT DRAIN

Top engineers leave frustrating environments.

LOWER GROWTH

Operational drag limits business growth.

Complexity doesn't just slow you down—it holds your business back.

With Platform Engineering: Self-Service At Scale

Empower developers. Streamline operations. Accelerate business outcomes.

PLATFORM ENGINEERING DELIVERS

Self-Service Portal
Intuitive portal for developers to provision and manage what they need.

Golden Paths
Pre-approved, secure paths to build, deploy and operate with confidence.

Automation & CI/CD
Automate workflows and accelerate delivery with built-in CI/CD.

Security & Governance Built-In
Policy as code, guardrails and compliance baked in from the start.

Observability & Insights
Real-time visibility and actionable insights to optimize performance and reliability.

SELF-SERVICE PLATFORM

DEVELOPERS
- ✓ Quickly create environments
- ✓ Find and reuse services
- ✓ Ship code faster

PLATFORM TEAM
- ✓ Standardize and automate
- ✓ Enforce policies
- ✓ Reduce operational overhead

BUSINESS
- ✓ Faster time to market
- ✓ Lower risk and cost
- ✓ Better developer experience

PLATFORM ENGINEERING = EMPOWERED DEVELOPERS + GOVERNED PLATFORMS + FASTER OUTCOMES

Empower teams with self-service

Provide guardrails and governance

Accelerate delivery with automation

Standardize across clouds and clusters

Drive innovation and business value

Challenges for Platform Engineering

Common Platform Engineering Challenges

Why it's hard to build and scale a great platform

Too Many Tools

Tool sprawl creates complexity, overlap, and high operational overhead.

Fragmented Workflows

Disconnected processes slow down delivery and create handoff chaos.

Poor Developer Experience

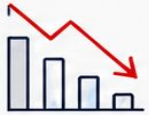
Complex environments and unclear paths frustrate developers and slow them down.

Inconsistent Security & Compliance

Manual processes and inconsistent policies increase risk and audit pain.

Environment Sprawl

Too many ad-hoc environments lead to cost waste and configuration drift.



Lack of Standardization

No golden paths or standards leads to inconsistency and rework.

Slow Provisioning

Manual approvals and lengthy provisioning delay teams and projects.

Siloed Teams

Platform, Dev, Ops, and Security work in silos instead of as one product team.

Low Reusability

Rebuilding common services over and over wastes time and resources.

High Cost

Operational overhead, manual work, and inefficiency drive up total cost of ownership.

Without the right foundation, platform engineering becomes a bottleneck—not an enabler.

Simplify. Standardize. Automate. Empower.

THERE ARE TWO CLEAR ANSWERS

Simplify how we build and run software. Deliver value faster. Reduce cost and risk.

1 BUILD A DEVEX GROUP

A dedicated team that curates tools, sets standards, and streamlines the development and deployment workflow.

Discover & Evaluate --- Curate & Standardize --- Enable & Automate --- Educate & Support --- Measure & Improve

WHAT IT DELIVERS

- Faster Delivery
- Lower Costs
- Reduced Risk
- Better Developer Experience

THE RESULT

A scalable platform experience that teams love and the business can rely on.

2 ADOPT A COMMON TOOLCHAIN

Standardize on integrated, open, and enterprise-ready tools like OpenChoreo and SUSE Rancher Prime.

OpenChoreo (WSO2)

Internal Developer Platform that accelerates developer productivity and self-service.

+

SUSE Rancher Prime

Enterprise Kubernetes management anywhere—simplified and secure.

WHAT IT DELIVERS

- Integrated Experience
- Enterprise Security
- Run Anywhere (Cloud, Edge, On-Prem)
- Lower Total Cost of Ownership

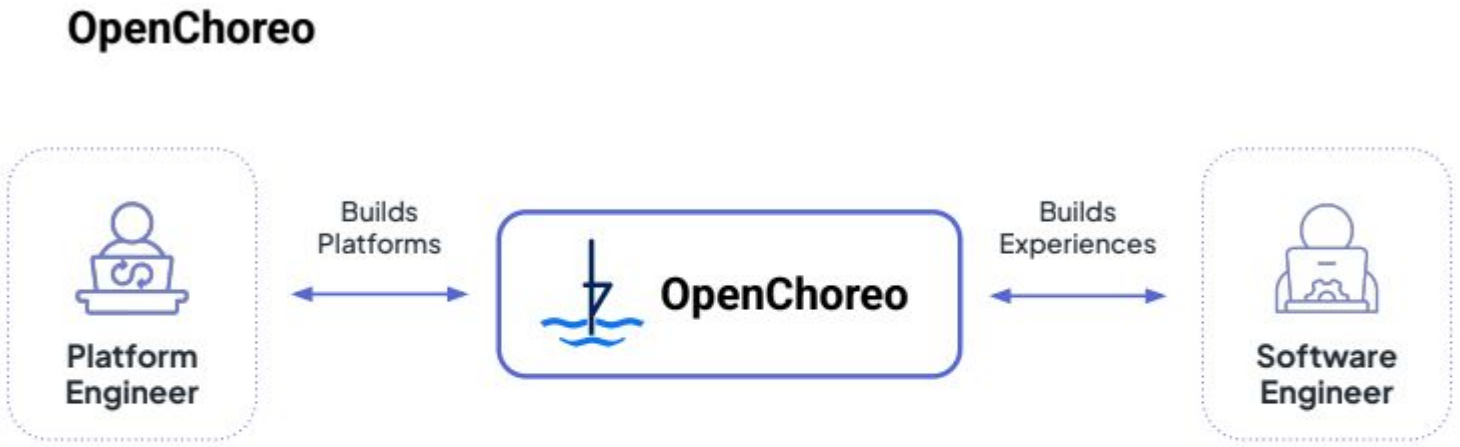
THE RESULT

A consistent, secure, and efficient platform that powers innovation at scale.

TWO ANSWERS. ONE GOAL. | Simplify complexity. Accelerate delivery. Drive real business impact.

OpenChoreo + Rancher to the rescue!

Pick a Single Developer Platform

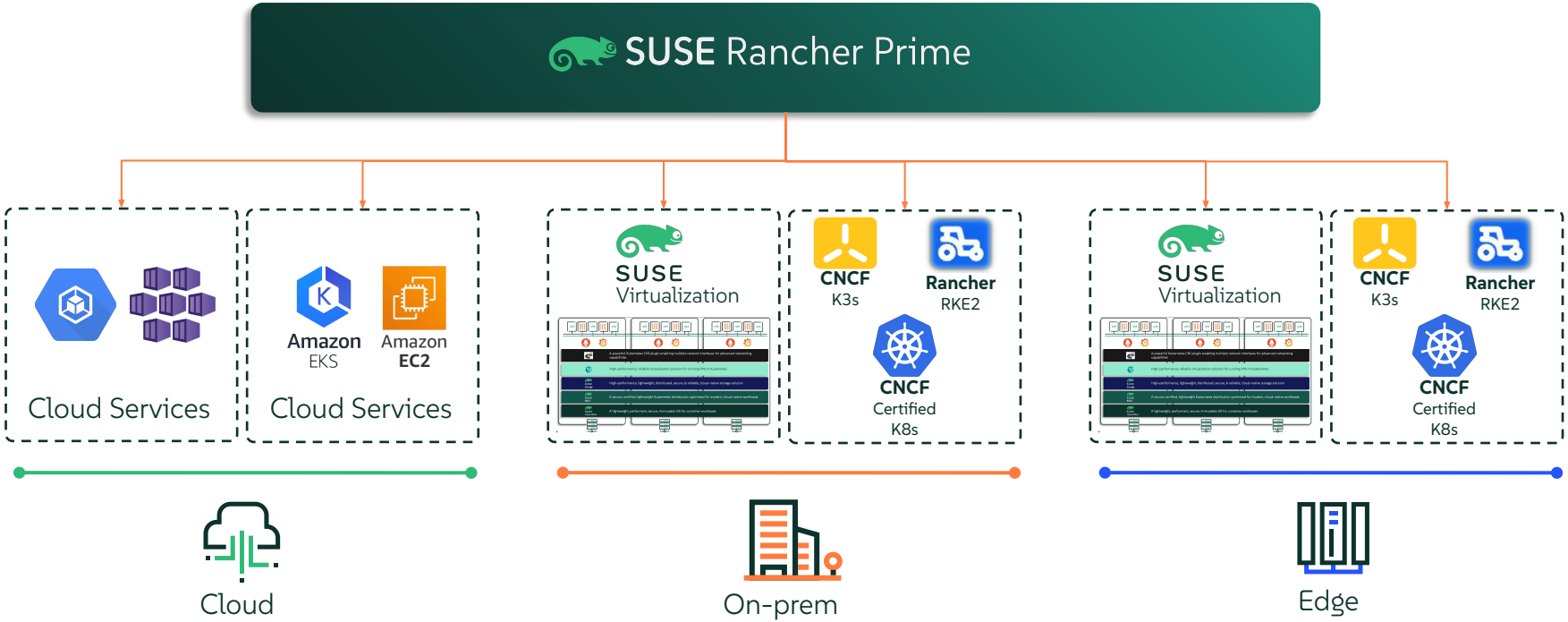


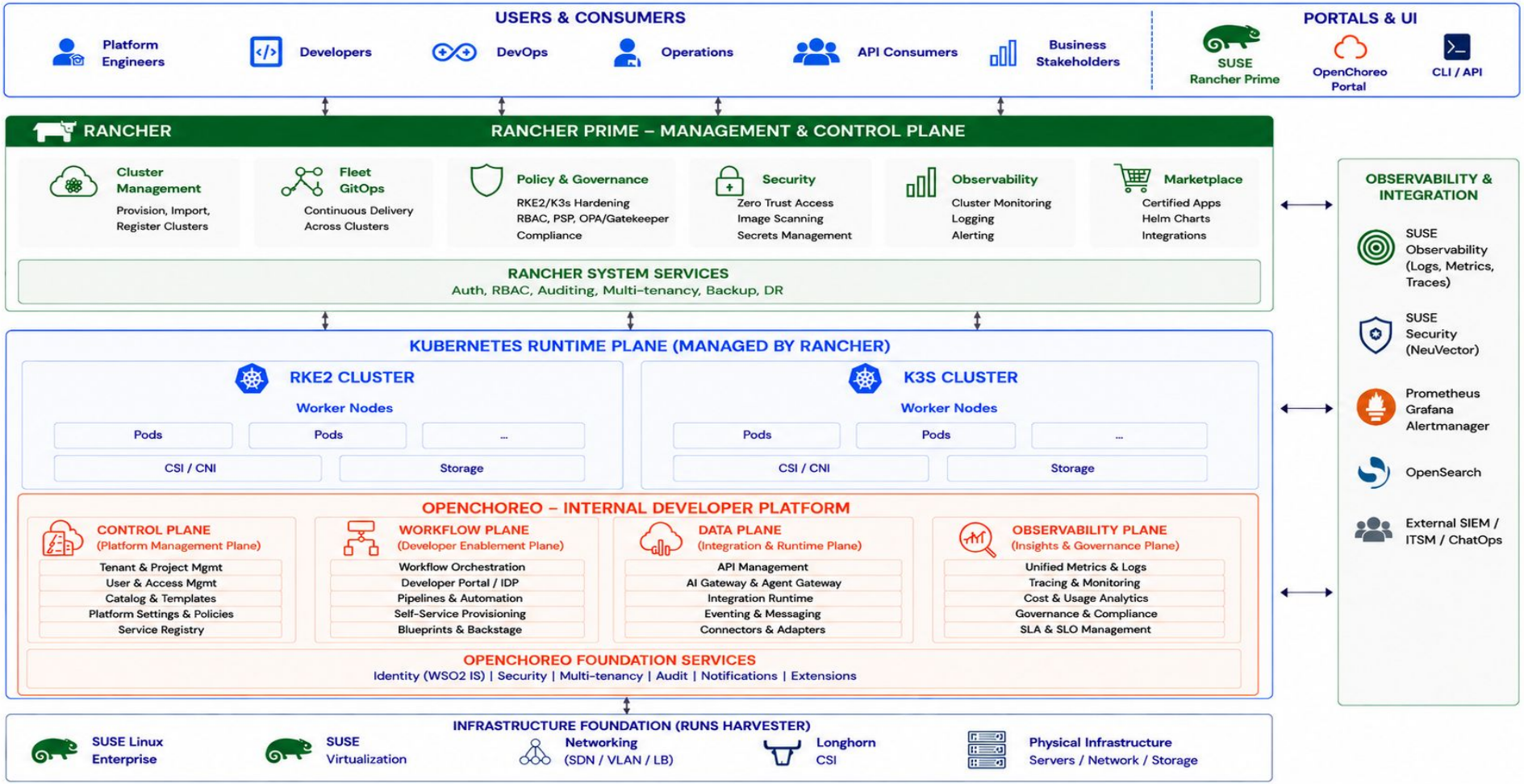
"OpenChoreo is a developer platform for Kubernetes offering development and architecture abstractions, a Backstage-powered developer portal, application CI/CD, GitOps, and observability"

Pick a Single platform to deploy into

[→ Choice

Simplify operations with SUSE® Virtualization and SUSE Rancher across On-Prem, Cloud and Edge




USERS & CONSUMERS
Platform Engineers
Developers
DevOps
Operations
API Consumers
Business Stakeholders
PORTALS & UI
SUSE Rancher Prime
OpenChoreo Portal
CLI / API
RANCHER
RANCHER PRIME – MANAGEMENT & CONTROL PLANE
Cluster Management
Provision, Import, Register Clusters
Fleet GitOps
Continuous Delivery Across Clusters
Policy & Governance
RKE2/K3s Hardening
RBAC, PSP, OPA/Gatekeeper
Compliance
Security
Zero Trust Access
Image Scanning
Secrets Management
Observability
Cluster Monitoring
Logging
Alerting
Marketplace
Certified Apps
Helm Charts
Integrations
RANCHER SYSTEM SERVICES
Auth, RBAC, Auditing, Multi-tenancy, Backup, DR
KUBERNETES RUNTIME PLANE (MANAGED BY RANCHER)
RKE2 CLUSTER
Worker Nodes
Pods
Pods
...
CSI / CNI
Storage
K3S CLUSTER
Worker Nodes
Pods
Pods
...
CSI / CNI
Storage
OPENCHOREO – INTERNAL DEVELOPER PLATFORM
CONTROL PLANE
(Platform Management Plane)
Tenant & Project Mgmt
User & Access Mgmt
Catalog & Templates
Platform Settings & Policies
Service Registry
WORKFLOW PLANE
(Developer Enablement Plane)
Workflow Orchestration
Developer Portal / IDP
Pipelines & Automation
Self-Service Provisioning
Blueprints & Backstage
DATA PLANE
(Integration & Runtime Plane)
API Management
AI Gateway & Agent Gateway
Integration Runtime
Eventing & Messaging
Connectors & Adapters
OBSERVABILITY PLANE
(Insights & Governance Plane)
Unified Metrics & Logs
Tracing & Monitoring
Cost & Usage Analytics
Governance & Compliance
SLA & SLO Management
OPENCHOREO FOUNDATION SERVICES
Identity (WSO2 IS) | Security | Multi-tenancy | Audit | Notifications | Extensions
INFRASTRUCTURE FOUNDATION (RUNS HARVESTER)
SUSE Linux Enterprise
SUSE Virtualization
Networking
(SDN / VLAN / LB)
Longhorn
CSI
Physical Infrastructure
Servers / Network / Storage
OBSERVABILITY & INTEGRATION
SUSE Observability (Logs, Metrics, Traces)
SUSE Security (NeuVector)
Prometheus
Grafana
Alertmanager
OpenSearch
External SIEM / ITSM / ChatOps

Ways to Run OpenChoreo

Flexibility to run it your way – locally, in your infrastructure, or as a fully managed SaaS.

1 Run with Docker (Local)

Perfect for **getting started** and development

How it works

- Pull OpenChoreo Docker images
- Run containers with Docker
- Access OpenChoreo locally

Best for

- Individual developers
- Learning & evaluation
- Quick local setups

2 Run in Your RKE2 Cluster

Ideal for **production** and enterprise deployments

How it works

- Deploy OpenChoreo on your RKE2 Kubernetes cluster
- Integrate with your existing systems and services
- Retain full control, security, and compliance

Best for

- Enterprises with on-prem / hybrid environments
- Teams needing full control & data residency
- Production workloads at scale

3 Run as a SaaS (WSO2 Cloud)

The **fastest** way to go live – fully managed by WSO2

How it works

- Subscribe to OpenChoreo on WSO2 Cloud
- Onboard and invite your team
- Start building and deploying in minutes

Best for

- Teams who want zero infrastructure to manage
- Fastest time to value
- Elastic scale on demand

4 Run with Rancher Desktop

Ideal for **local development** with Kubernetes

How it works

- Install Rancher Desktop
- Deploy OpenChoreo locally
- Develop and test with Kubernetes

Best for

- Developers who want a full K8s experience locally
- Testing and demo environments
- Consistent dev experience

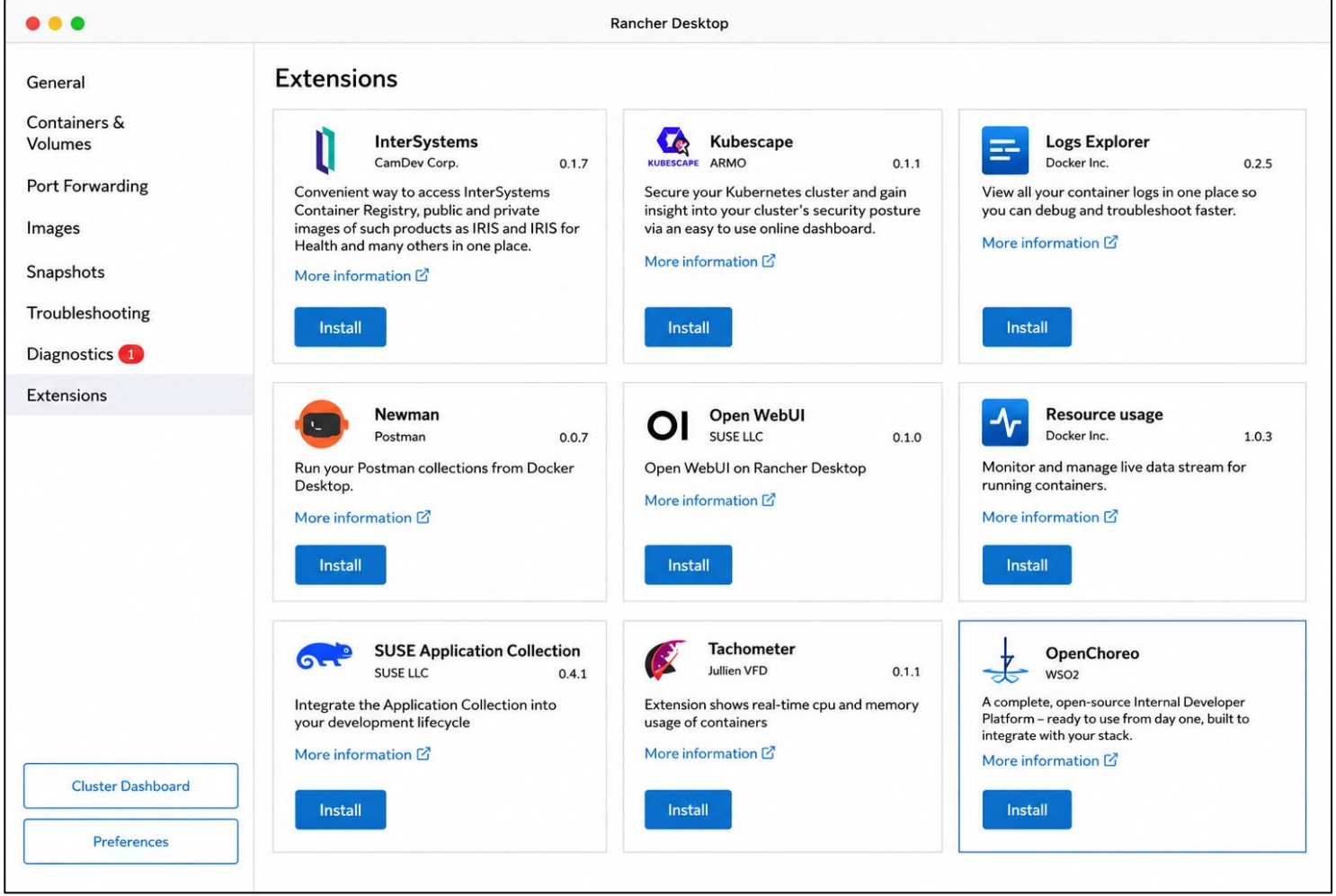
One Platform. Any Way You Run It.

- Same powerful capabilities across all options
- Enterprise-grade security and governance
- Seamless portability between environments
- Built for developers, platform teams, and businesses

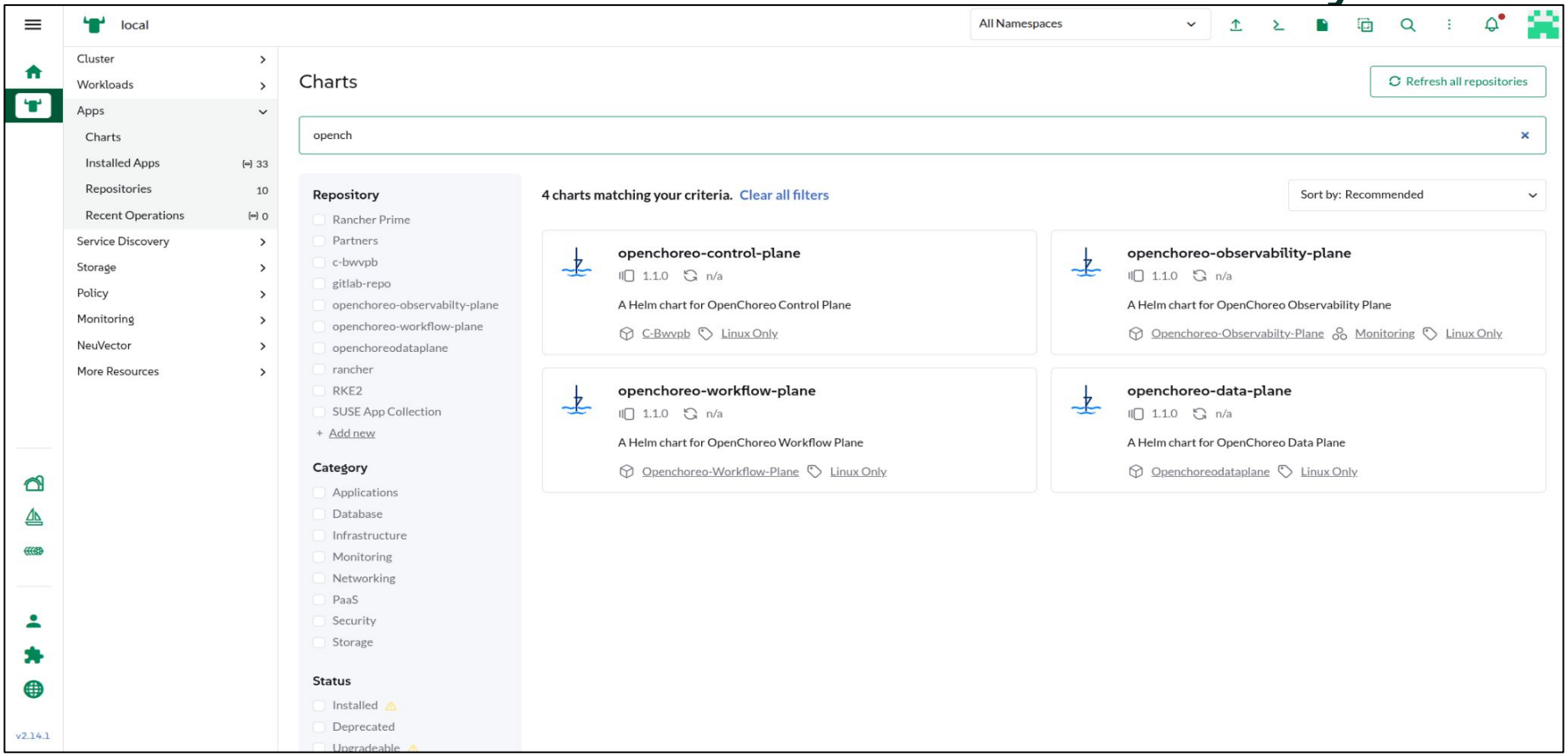
How do I install OpenChoreo on Rancher Prime?

OpenChroeo Rancher Desktop Extension

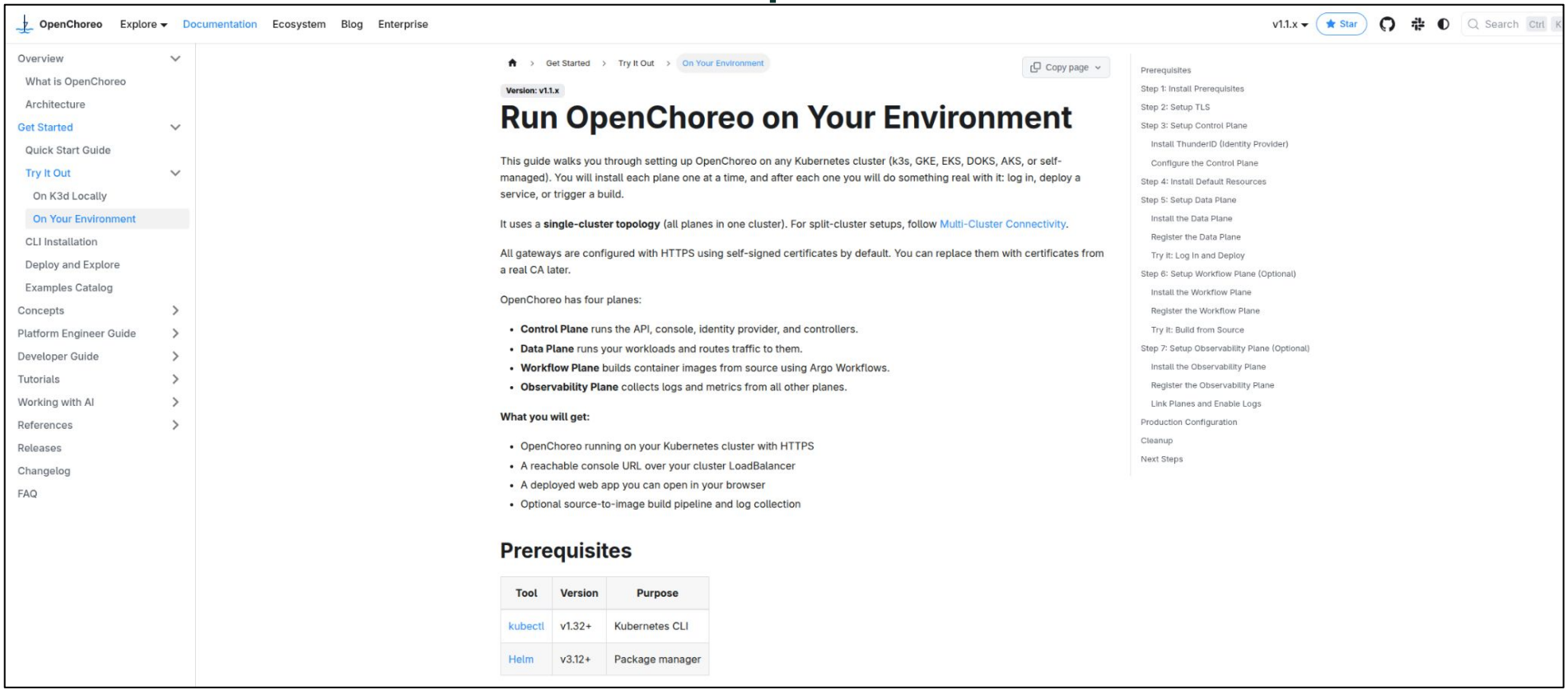
It's on the way



Partner Software in Rancher Prime - On it's way...



For now, add it from the OpenChoreo Install Guide



The Formula for Platform Engineering Success

People + Platform + Operations = Faster Software Delivery

Developer Experience (DevEx) Team

- Curate Tools & Standards
- Create Golden Paths
- Governance & Security
- Enable & Support Developers

+

OpenChoreo Developer Platform

- Self-Service Developer Portal
- CI/CD & Automation Workflows
- API Management
- Extensible & Reusable Components

+

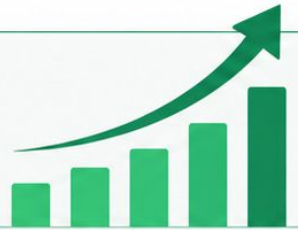
SUSE Rancher Prime

- Kubernetes Management at Scale
- Infrastructure & Virtualization
- Security & Compliance
- Observability & Operations

=

Faster Software Delivery

Empower Developers. Standardize Operations. Accelerate Business.



Faster Releases
Get to market faster

Better Developer Experience
Happier, more productive teams

Lower Risk & Cost
Consistent, secure, and efficient

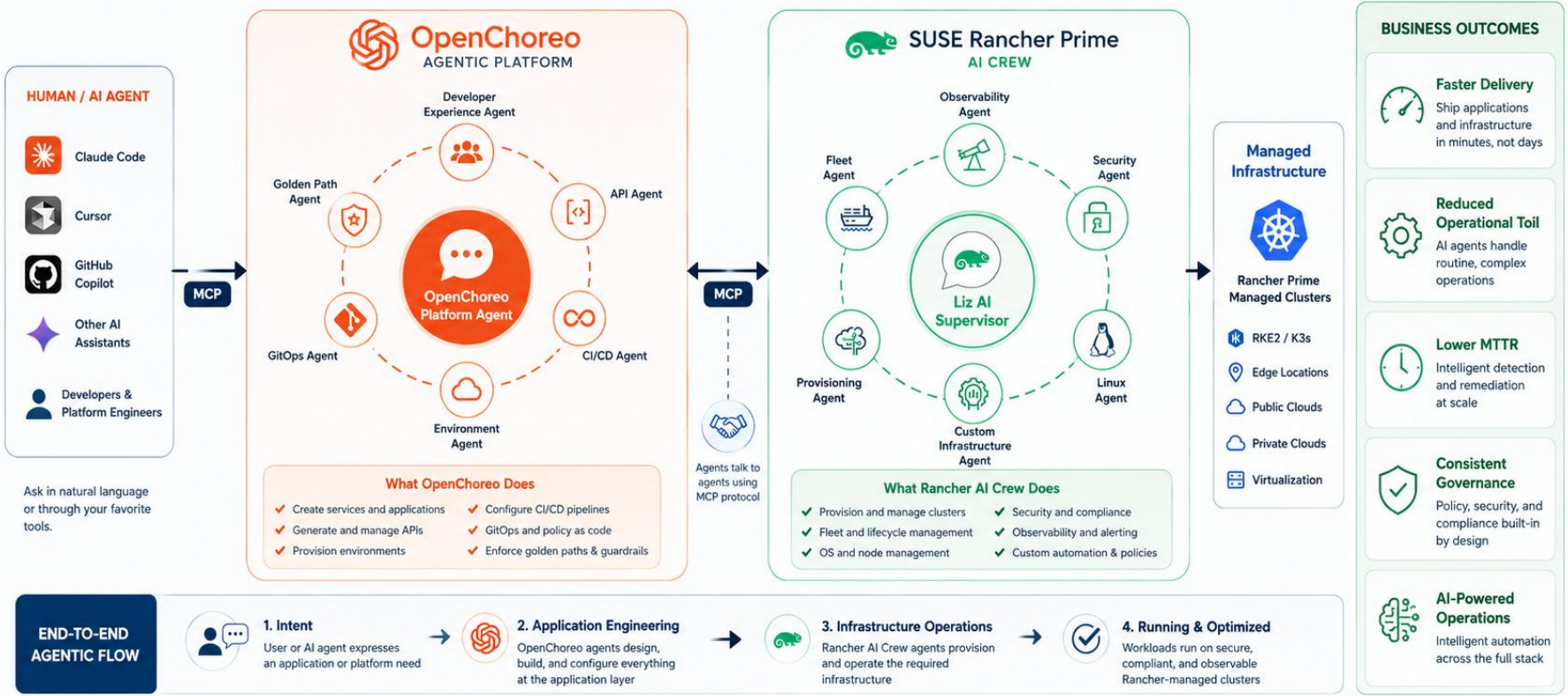
Consistent Governance
Built-in compliance and control

SUSE | WSO2

Where do we go from here? Where's my AI?
Yes I buried the lead!

Agentic Platform Engineering with OpenChoreo and SUSE Rancher Prime

From application intent to automated infrastructure operations through coordinated AI agents



Liz

SUSE Rancher

Liz makes Kubernetes management simple, secure, and scalable. Whether on-prem, in the cloud, or at the edge, she helps teams run their clusters with confidence.

Kubernetes Wrangler
Expert at managing any cluster, anywhere.

Security Minded
Built-in best practices to keep workloads and data safe.

Operationally Simple
Powerful automation and visibility that just works.

> “I’ve got your infrastructure covered. You focus on building great things.

SUSE RANCHER

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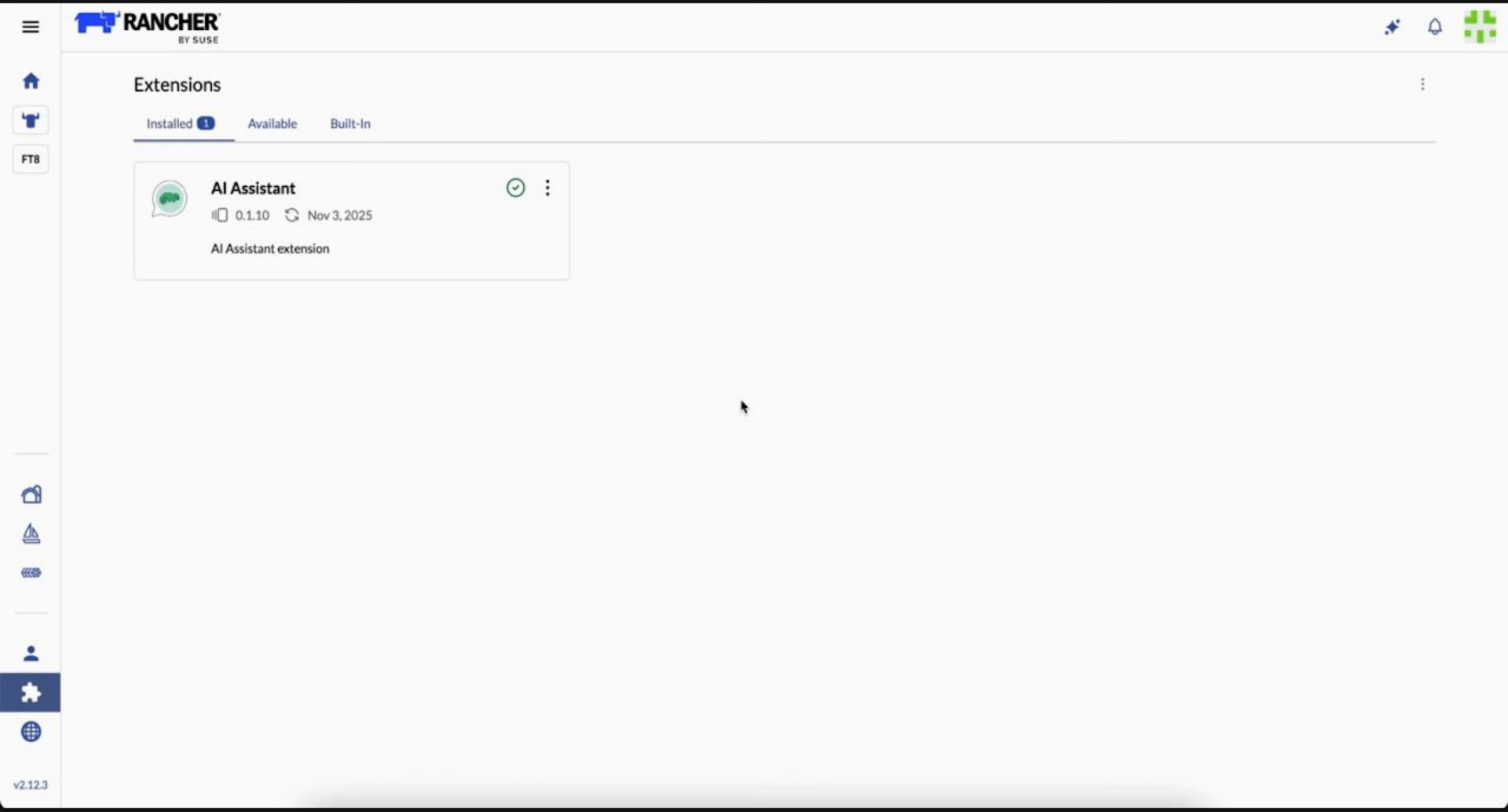
RANCHER
BY SUSE
Extensions
Installed 1
Available
Built-In
AI Assistant
0.1.10
Nov 3, 2025
AI Assistant extension
FT8
v2.12.3

Thank you for Watching!

SUSE + WSO2