



# St. Louis Linux User Group

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"Engineer"

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# Agenda

- Introduction
- Liberty Linux
- SUSE Rancher
- Harvester
- Q&A





# Introduction





02 APRIL 2021

# What is Liberty Linux?

How do the recent changes to CentOS open doors for SUSE?



# SUSE Liberty Linux is....

*... a new technology and support offering that provides customers a unified support experience for managing their heterogeneous IT environments.*



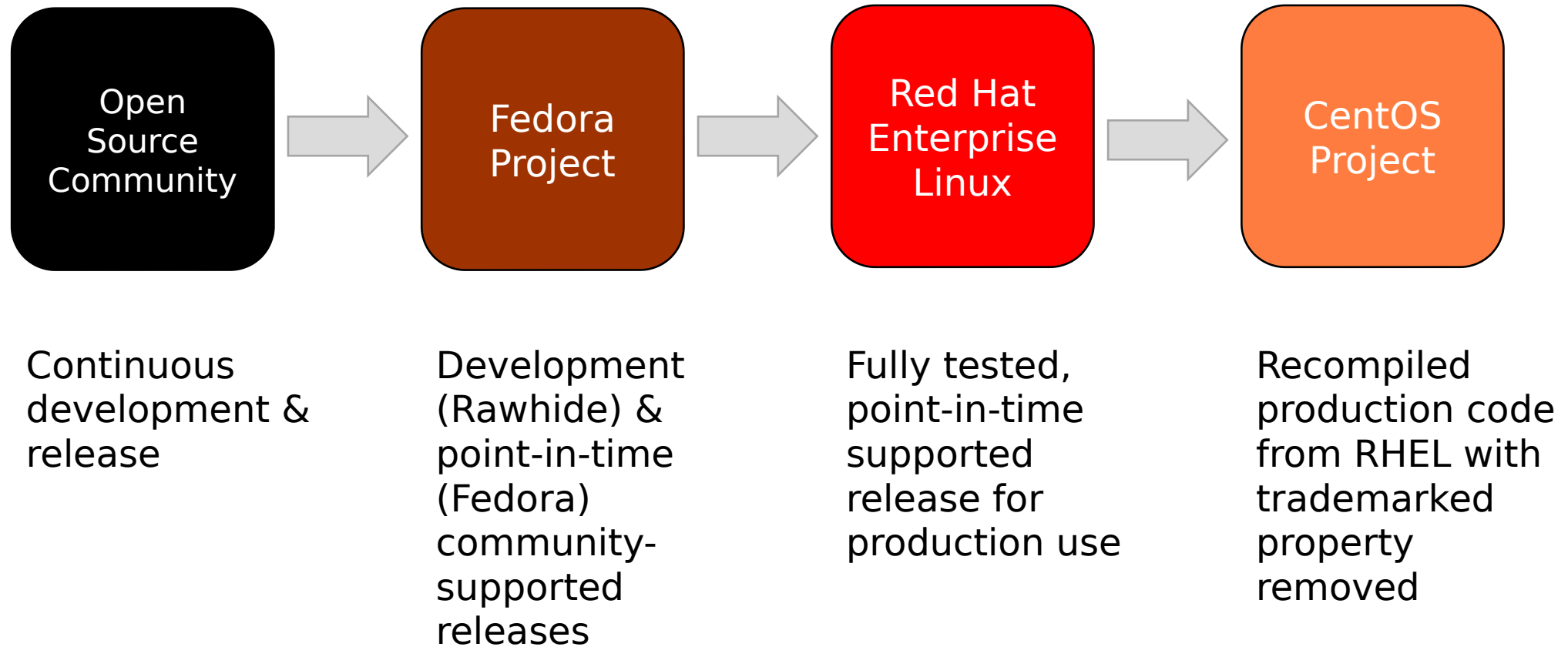
# What happened?

In December, 2020 Red Hat announced a shift in focus for the CentOS project.

It will be rebranded as CentOS Streams and become a rolling, pre-production release for Red Hat Enterprise Linux.

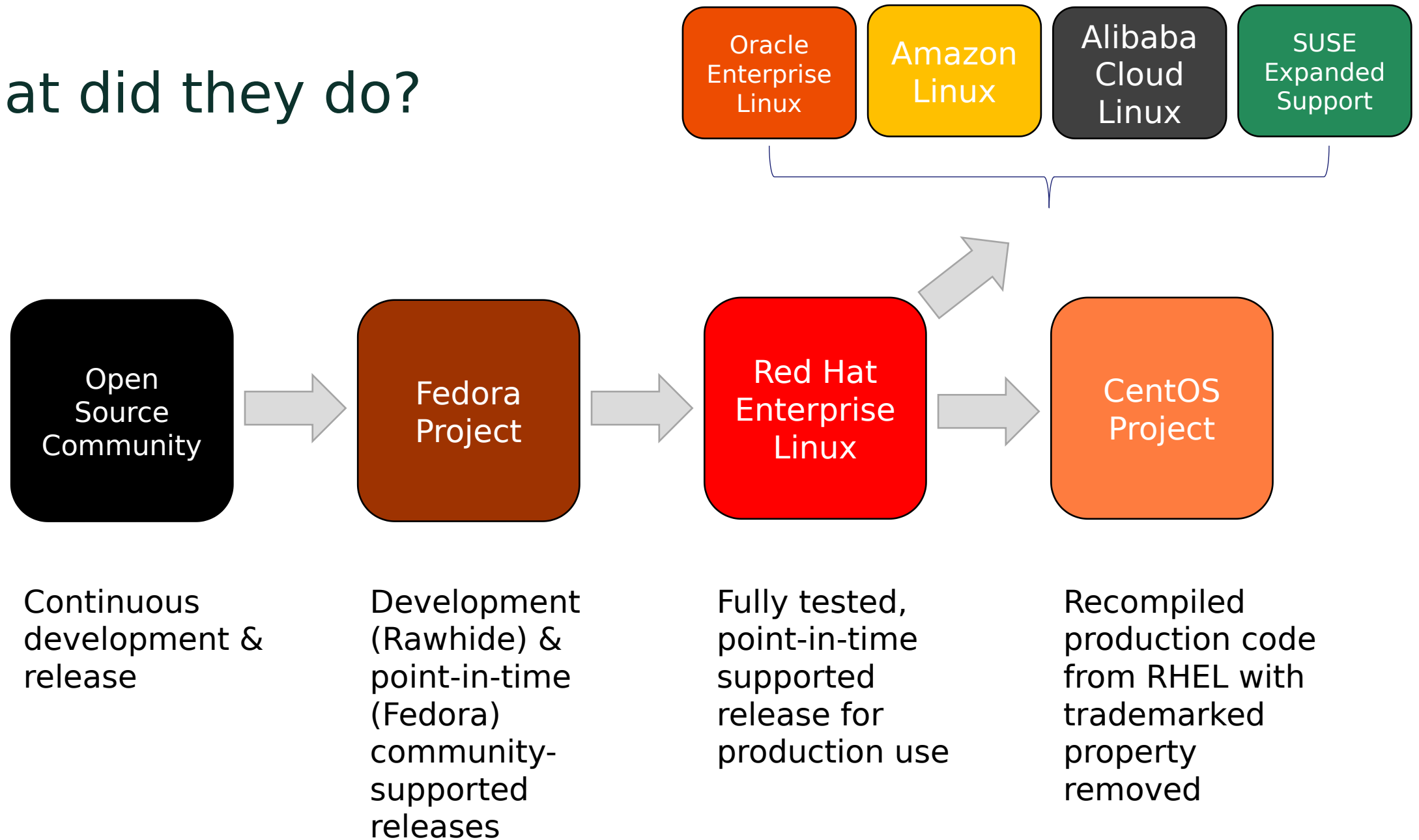


# What did they do?



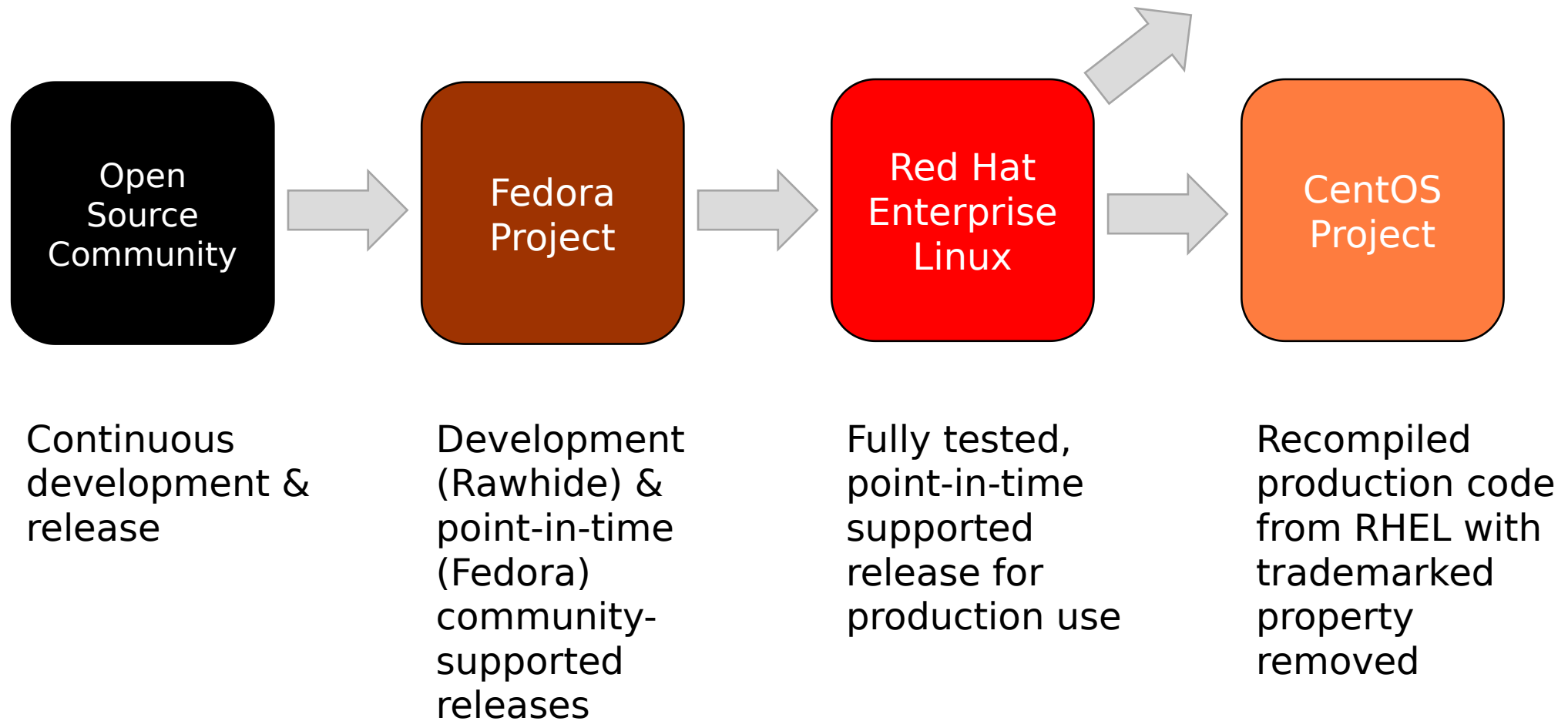


# What did they do?





# What did they do?



# CentOS Lifecycle

Historically followed the lifecycle for Red Hat Enterprise Linux



## CentOS 6

— EOL Nov 30, 2020

## CentOS 7

— EOL June 30, 2024

## CentOS 8

— EOL: ~~May 29, 2029~~

— **New EOL: Dec 31, 2021**

# What is SUSE Liberty Linux?

## Enterprise-grade support for SLES, RHEL and CentOS

- Simplified customer experience
- Broadest range of support options
- Market-leading Linux support to enterprises for three decades with a rich Linux history



## Works with management & automation tools for multiple Linux distributions

- Operate, secure, and audit from a single pane of glass.
- Reduce complexity with automation
- Drive efficiencies by shifting routine work away from your IT staff



## Fully compatible updates minimize disruption during onboarding

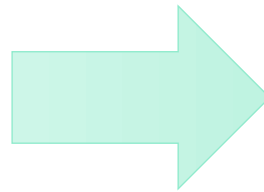
- Fully compatible, source code and binaries
- Regularly released binary compatible security patches and maintenance updates
- No migration; zero disruption



# Expanded Support Unleashed

## Expanded Support

- Not on the public price list
- Approval needed for quote
- Customers must commit to migration to SLE codebase



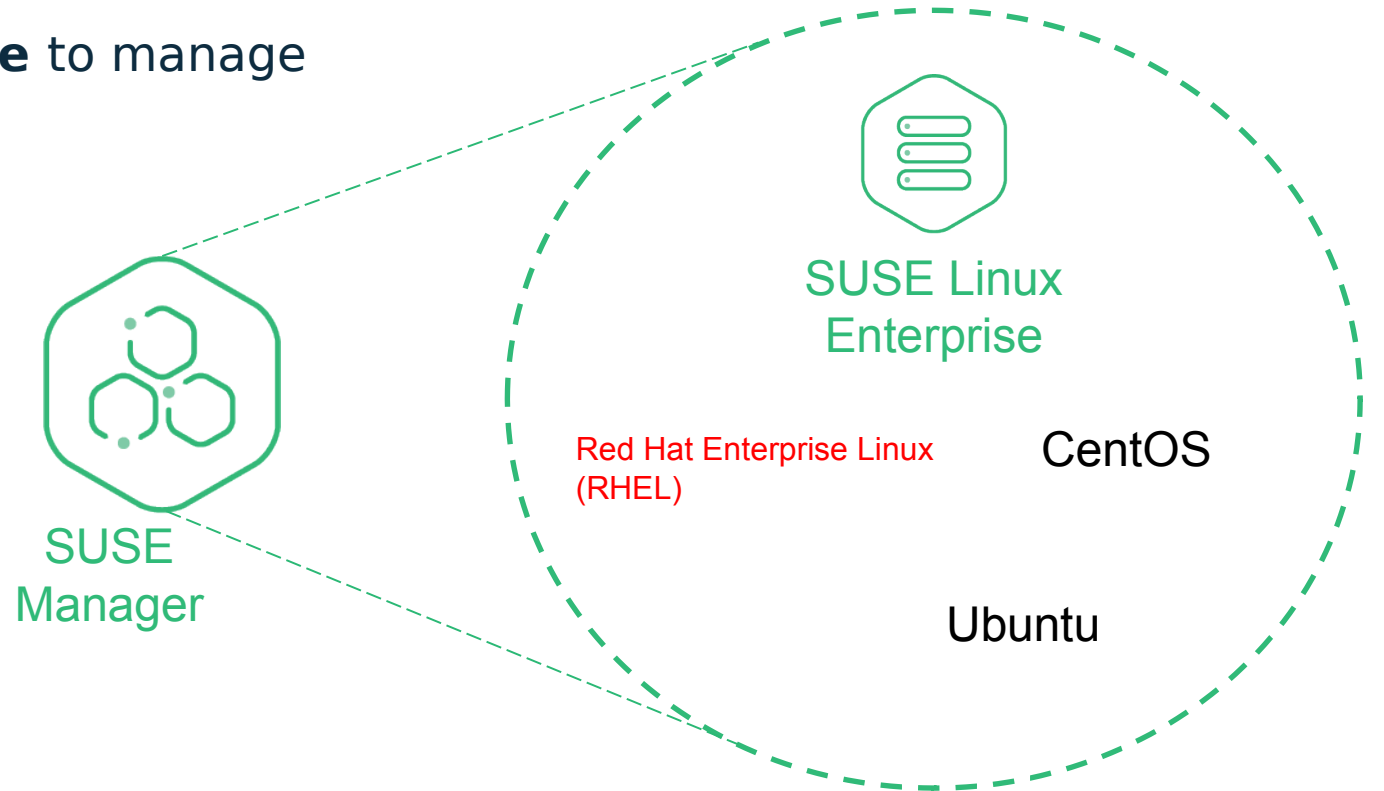
## SUSE Liberty Linux

- On the public price lists (MLA/VLA, MSP, IHV/ISV)
- No pre-approval needed
- No migration commitment

# Simplify management during and after migration

SUSE Manager provides a **single console** to manage mixed Linux estates

**Simplify patching and updating** all Linux distributions



# What SUSE Liberty Linux Supports

## Operating System Support

- **Included:** RHEL, CentOS (same versions as RHEL, not CentOS Stream), SLES
- Upon request (ask PM): Oracle Linux, Scientific Linux

## Support details

- RHEL/CentOS versions supported: 8, 7, 6 (Reactive LTSS), 5 (XLSS; upon request)
- RHEL 9 is under investigation (when available; pending technical and legal feasibility)
- RHEL extensions: High Availability, Resilient Storage and Load Balancer (covered with Liberty HA extension)
- RHEL AppStreams
- Support covers only the most recent minor release of each major supported version



# What SUSE Liberty Linux Doesn't Support

Not included item	Description
NO legal advice	SUSE <b>does not provide legal representation or guidance for RHEL related agreements.</b>
SUSE Manager	SUSE Manager is NOT included in SUSE Liberty Linux. Customer can choose to use SUSE Manager to manage multiple Linux distros.
Ubuntu and other Linux distributions	Alma Linux, Rocky Linux, Ubuntu, CentOS Stream, openSUSE and other Linux distributions are not covered. If the Linux OS is based on CentOS then contact the Product Manager with business case and more details. However, <b>SUSE Manager can manage several Linux distros</b> — RHEL, CentOS, Ubuntu, Debian, etc
Following RHEL components are <b>NOT</b> supported	<ul style="list-style-type: none"><li>• RHEL 3, 4 - RHEL 5 and RHEL 6 are possible bundled with LTSS</li><li>• Red Hat Virtualization (RHEV) (KVM is covered as a part of RHEL)</li><li>• Red Hat Network Satellite (SUSE Manager could be used instead), Red Hat Insights</li><li>• Extended Update Support for older minor releases</li><li>• RHEL add-ons, besides High Availability, Resilient Storage and Load Balancer (use SUSE Liberty HA Extension for those)</li><li>• Separate CentOS update channels (same packages as RHEL)</li><li>• Knowledge Base, Documentation</li><li>• Additional repositories (Optional, Supplementary, EPEL - Extra Packages for Enterprise Linux)</li><li>• RHEL Desktop, RHEL Workstation (under review)</li></ul>
JBoss, Ansible, OpenShift etc.	Reach out to local pre-sales and consulting services team for migration of non-Linux components
RHEL for SAP	RHEL for SAP is not supported. However, running SAP on RHEL supported by SUSE is supported for up to 6 months by SAP
IBM Z, IBM POWER, Arm	Only x86_64 is supported. Other platforms, such as IBM Z, Power, Arm are not supported
RHEL on Azure or CSPs	Only on-prem RHEL instances are supported. BYOS (Bring your own subscription) for SLES is supported





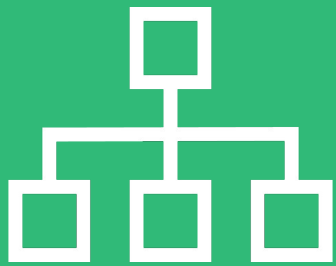


# SUSE Rancher

Industry's only platform  
to manage all  
Kubernetes distributions



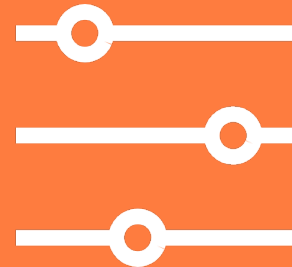
# Our Unique Approach



It's a multi-cluster world



Treat all Kubernetes distributions as first class citizens



Value is in Kubernetes management

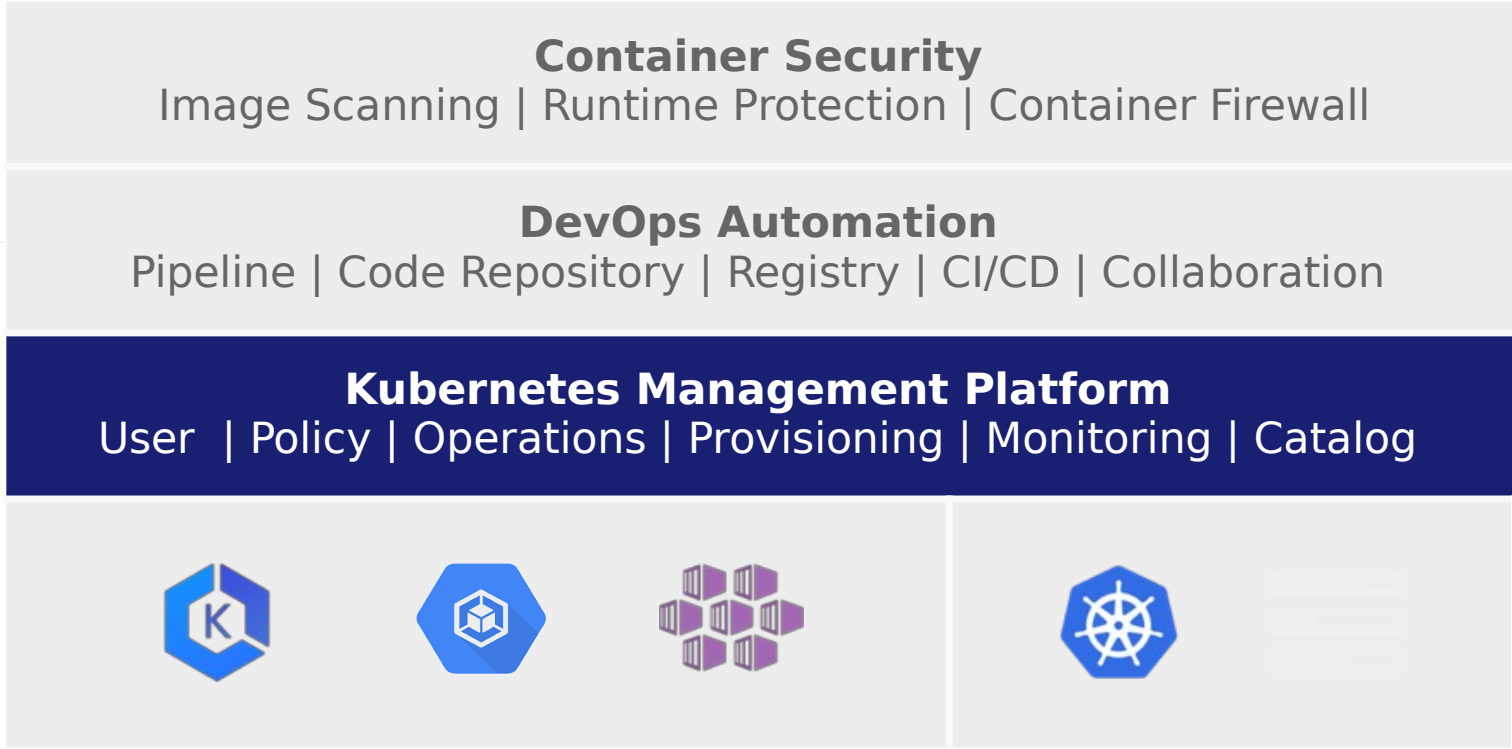


'Open' approach to open source



# Where do we belong in the stack?

- APP TEAMS**
- Development
  - DevOps
  - Monitoring
  - Project Management
  - Collaboration

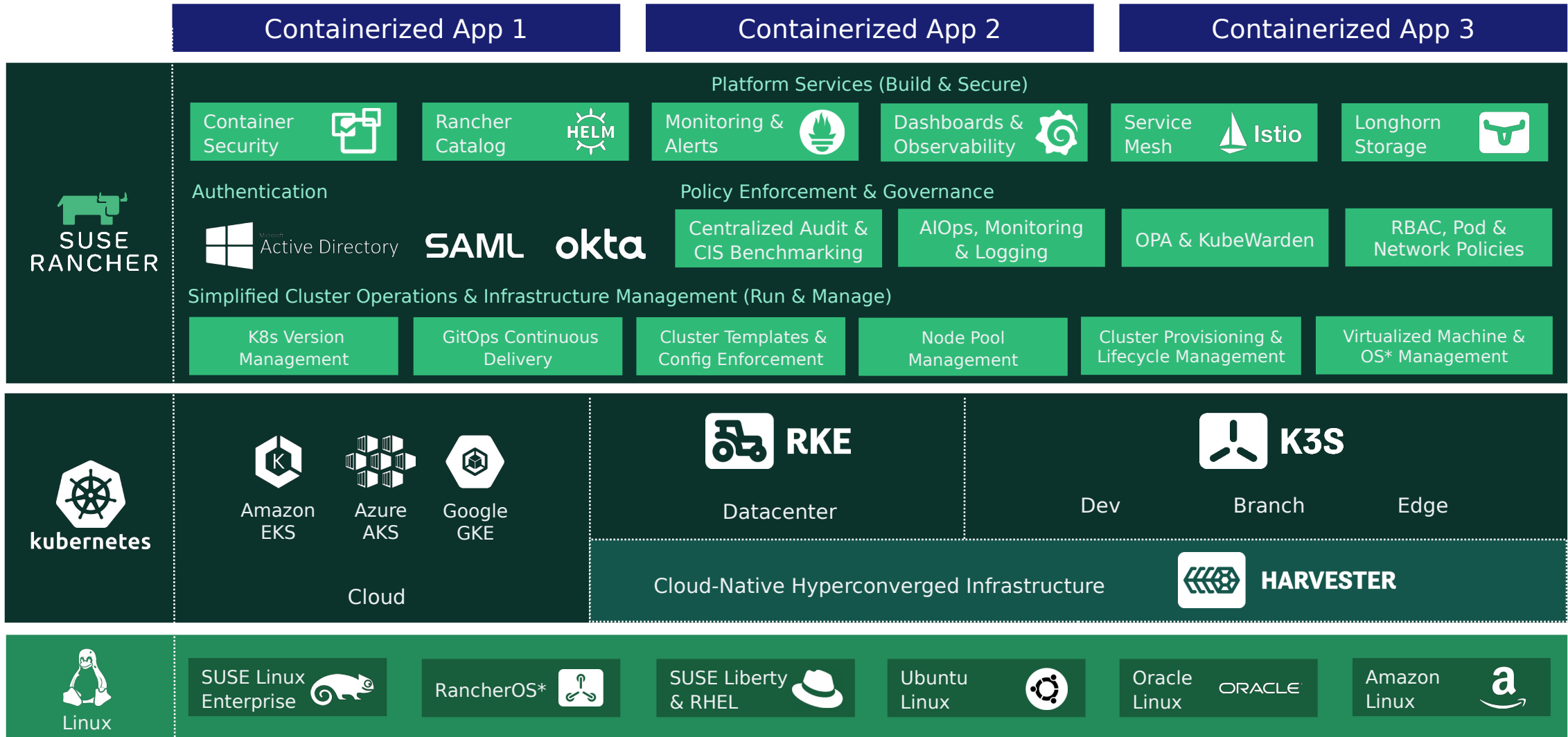


- IT SECURITY**
- Vulnerability Mgmt
  - Policy Enforcement
  - Access Control
  - Secrets Management
  - Audit and Compliance

- IT ORGANIZATION**
- Directory Services
  - Infrastructure
  - Auth/RBAC
  - Service Desk
  - Monitoring
  - Provisioning

- HYBRID / MULTI-CLOUD**
- Shifts the responsibility of the K8s cluster to the cloud provider
  - Stable, flexible, scalable platform
  - Run containers on bare metal for higher performance
  - Run containers on premise to reduce cloud costs

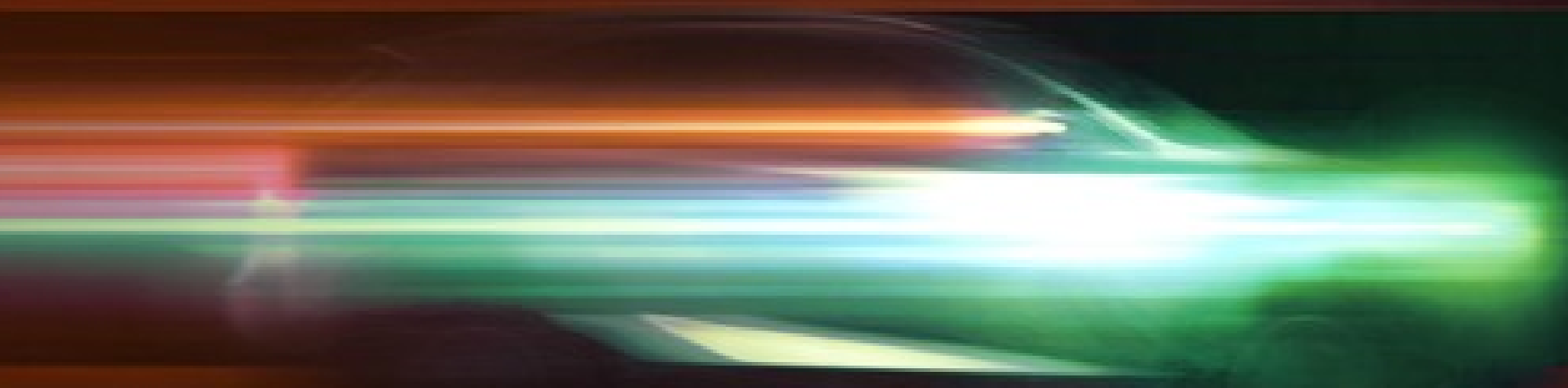
# Simplify complexity across your infrastructure





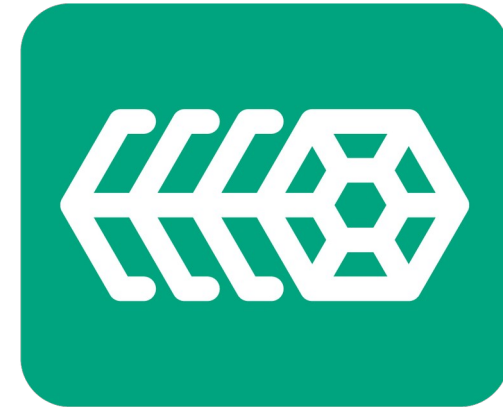
# Harvester

Open,  
Interoperable,  
Hyperconverged  
Infrastructure

A series of horizontal, blurred light trails in shades of orange, yellow, green, and blue, creating a sense of motion and energy across the bottom half of the slide.

# What is Harvester?

- ‘Open, Interoperable Hyperconverged Infrastructure Solution’
  - 100% Open-Source
  - No Licensing & Hardware Fees
- Modern solution built on cloud-native technology
  - Kubernetes, Longhorn, Kubevirt
- Production-ready, turn-key conventional HCI experience
- Implements HCI on bare metal services
- Lightweight, software-driven
  - Doesn't require any additional hardware, external SANs
  - Reliable at the Edge
- Native Integration with Rancher for containerized workloads



# HARVESTER

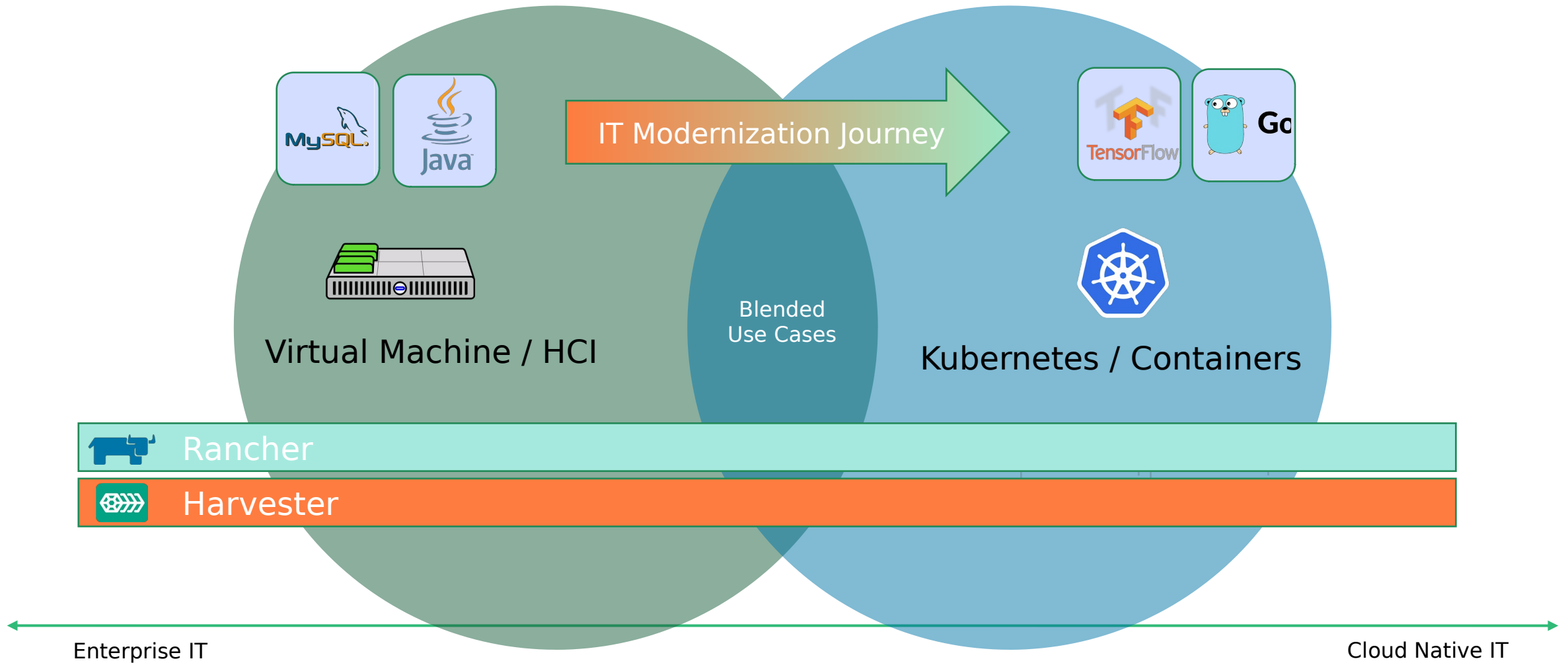
# Why Harvester?

1. Enabling users to manage their entire infrastructure environments by utilizing modern technology solutions including GitOps and cloud-native tooling
2. Customers should be able to simplify their IT operations and manage VMs and Containers from within a single console
3. Empower operators to utilize advanced infrastructure innovation and customization capabilities to help them scale

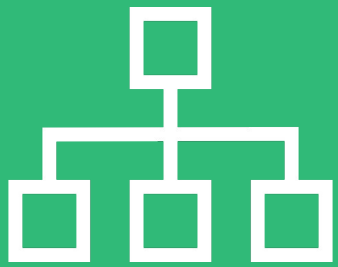




# Harvester bridges the classic and cloud-native infrastructure use cases together with Rancher



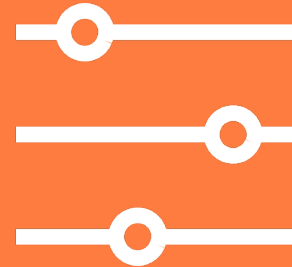
# A new approach with Rancher and Harvester



It's a hybrid-IT world



Treat all workloads as first class citizens




Value is in infrastructure management




'Open' approach to open source




# SUSE Portfolio


 **kubernetes**


Catalog Security


 **SUSE RANCHER**  
The platform for managing all Kubernetes distributions


Storage Governance


 **RKE**  
Datacenter

 **K3S**  
Edge


 **LONGHORN**  
Block Storage

 **NeuVector**  
Container Security

 **HARVESTER**

 **Linux**

Compliance Security

 **SUSE Linux Enterprise**  
The most adaptable Linux operating system

Availability Management

Other Linux

SLE Desktop / POS

SLE Server

SLES for SAP Applications


SLE HPC


SLE Micro


SLE Extensions


SUSE Manager


**Hybrid Infrastructure**

 Dev

 Datacenter

 Cloud

 Branch

 Edge

Support & Services



# Thank you

For more information, contact SUSE at:

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