SUSE Linux Enterprise 15

#MultimodalOS

SUSE is Redefining What it Means to be Open

- Committed to open source
- Being a leader and contributor within the open source community
- Delivering technology and corporate openness, interoperability and flexibility for our customers/partners

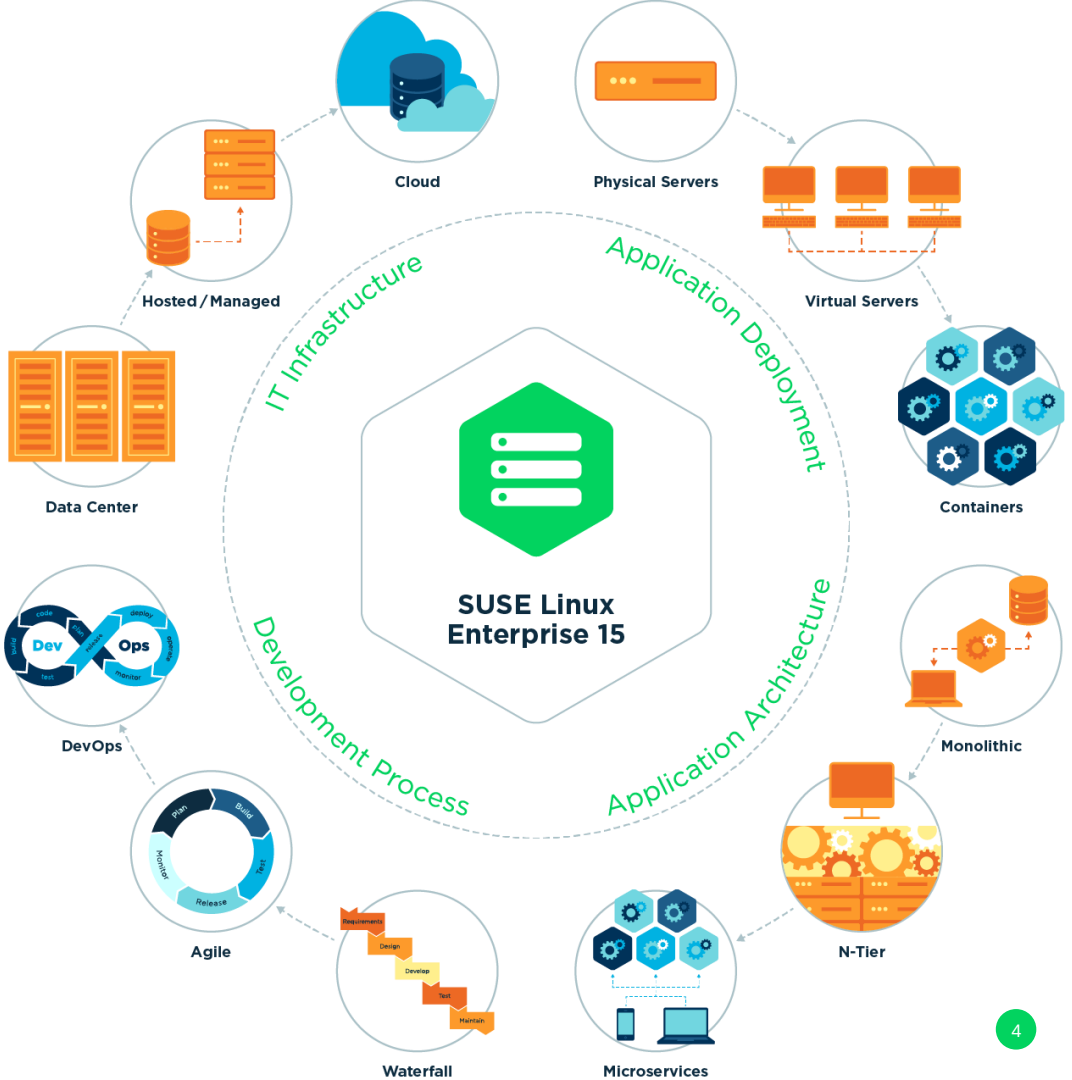
The Open, Open Source Company

IT Transformation is Required to Meet Changing Business Demands

IT Infrastructure	Datacenter	Hosted / Managed	**Cloud**
Application Deployment	Physical Servers	Virtual Servers	**Containers**
Application Architecture	Monolithic	N-Tier	**Microservices**
Development Process	Waterfall	Agile	**DevOps**

Multimodal IT

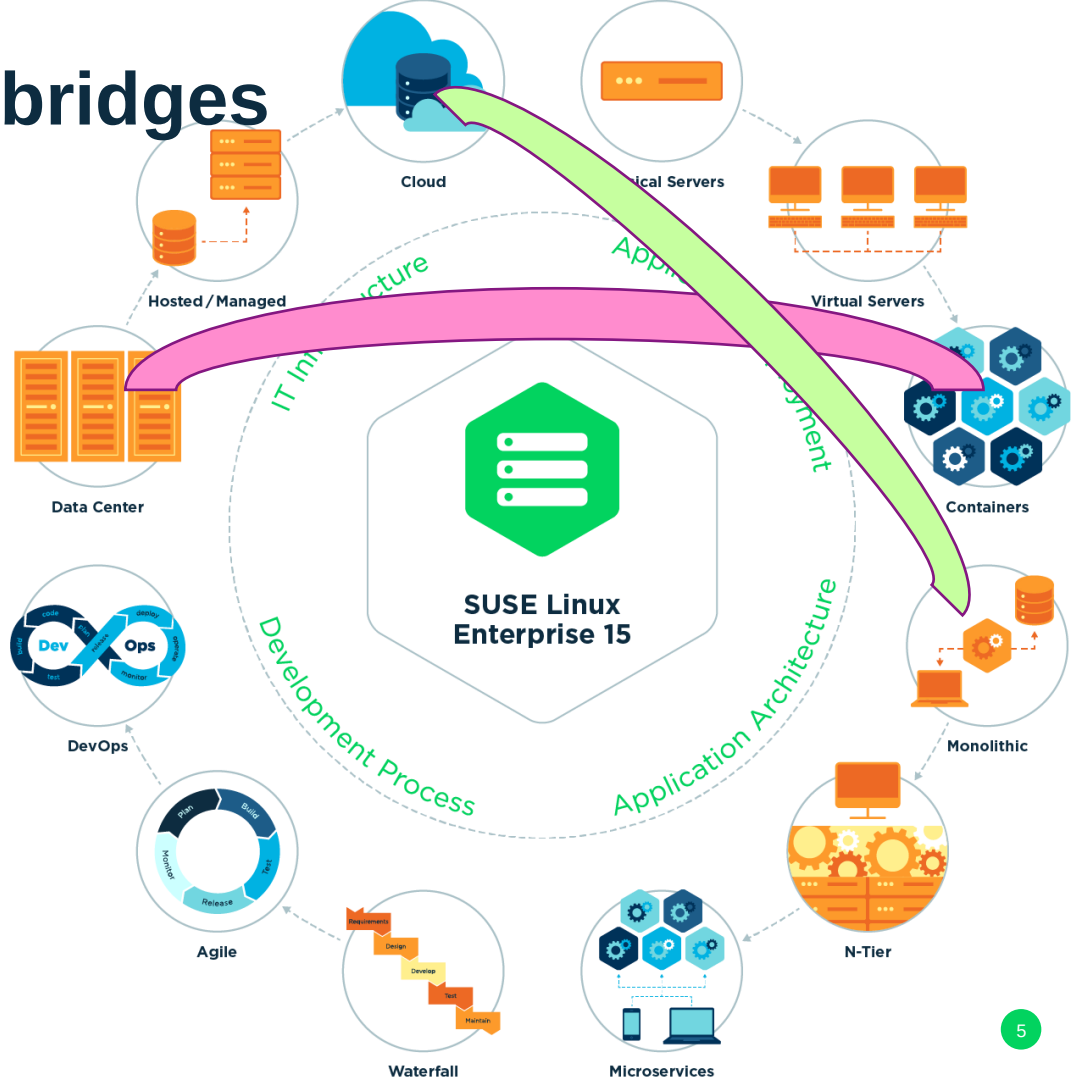
A co-existence of **traditional infrastructure**, **software-defined infrastructure** and application oriented architectures.



Multimodal IT needs bridges

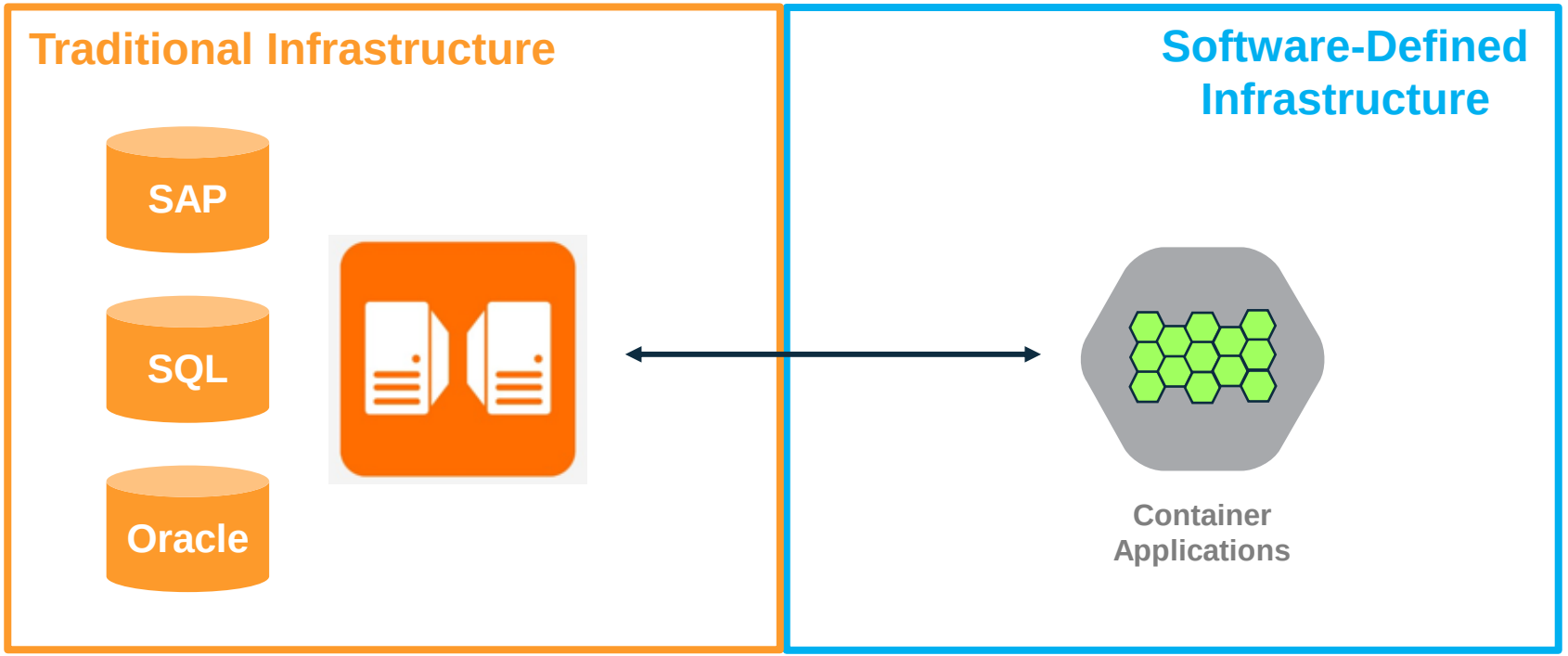
Move workloads from on-premise to cloud

Leverage data center for container applications



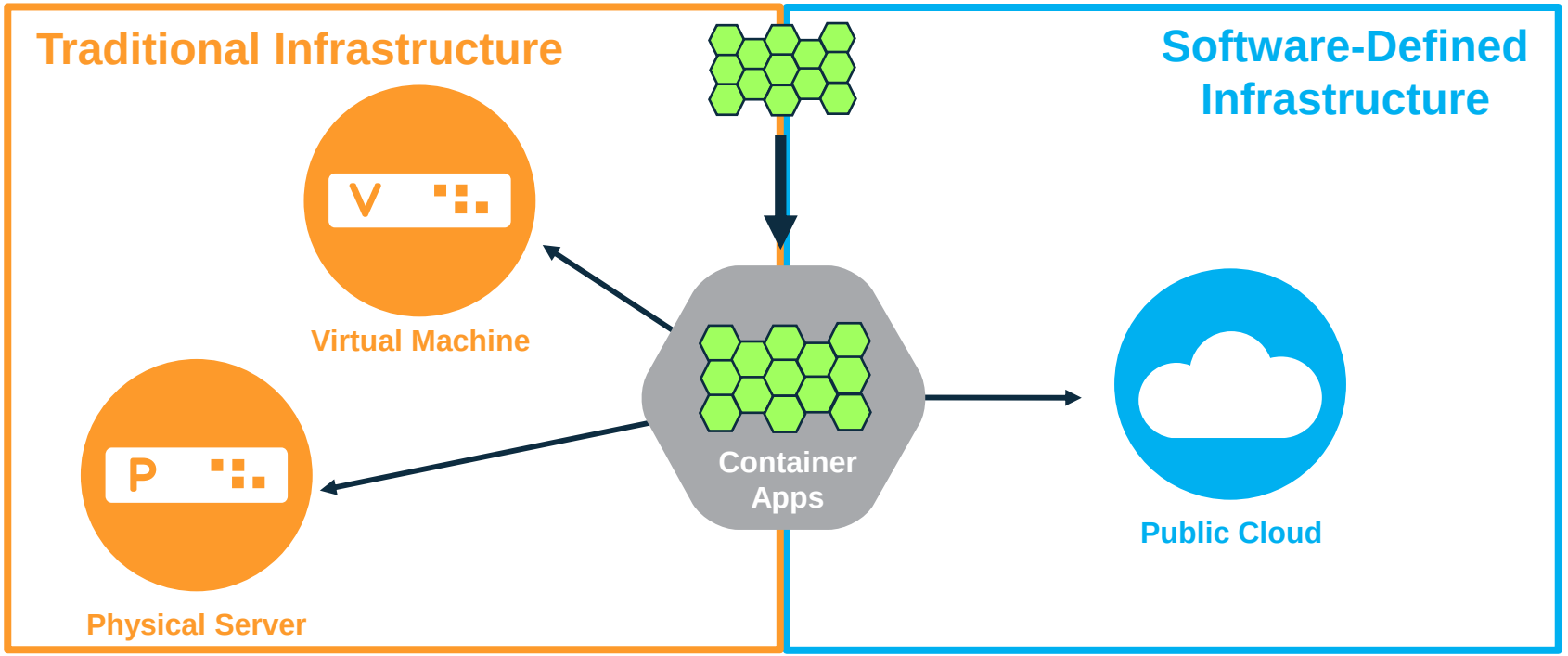
Multimodal IT – Mixed IT Infrastructure

Servers reside within traditional infrastructure and applications run on software-defined infrastructure



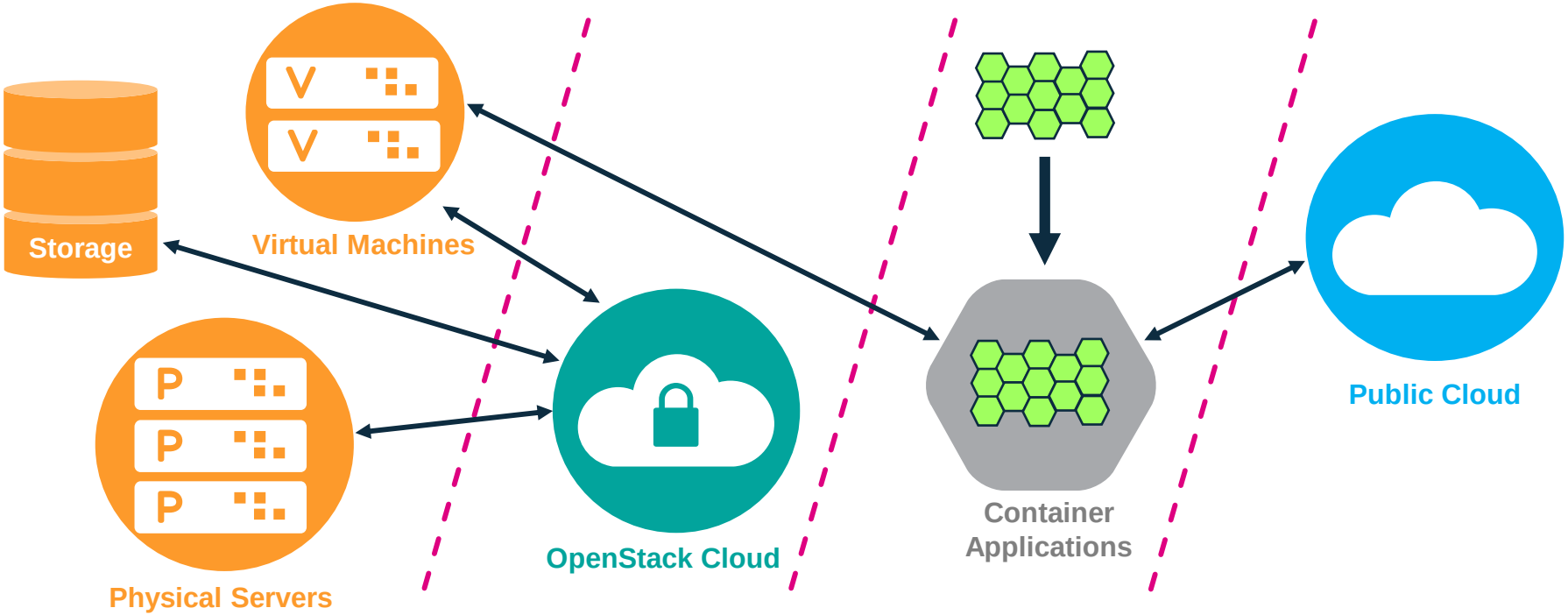
Multimodal IT – Application Mobility across mixed IT

Move workloads across traditional and software-defined infrastructure

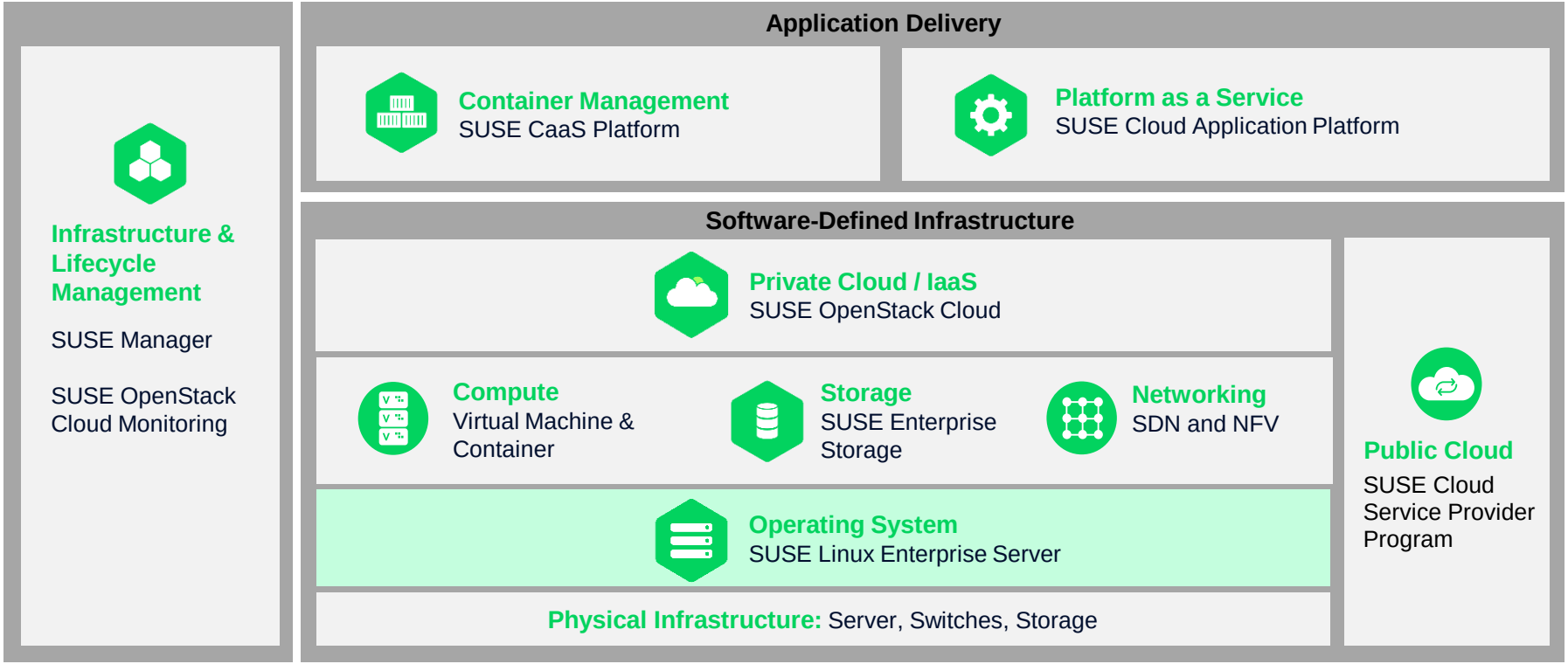


Multimodal IT – Mix of deployment scenarios

Variety of deployment scenarios co-exist spanning traditional and software-defined infrastructure

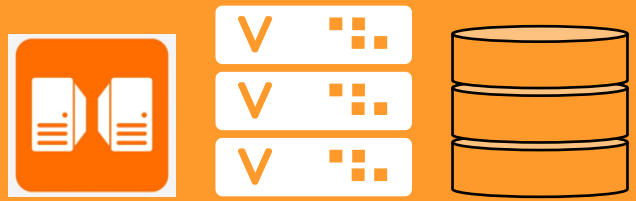


SUSE Software-Defined Infrastructure and Application Delivery Approach



Building Bridges with **Multimodal OS**

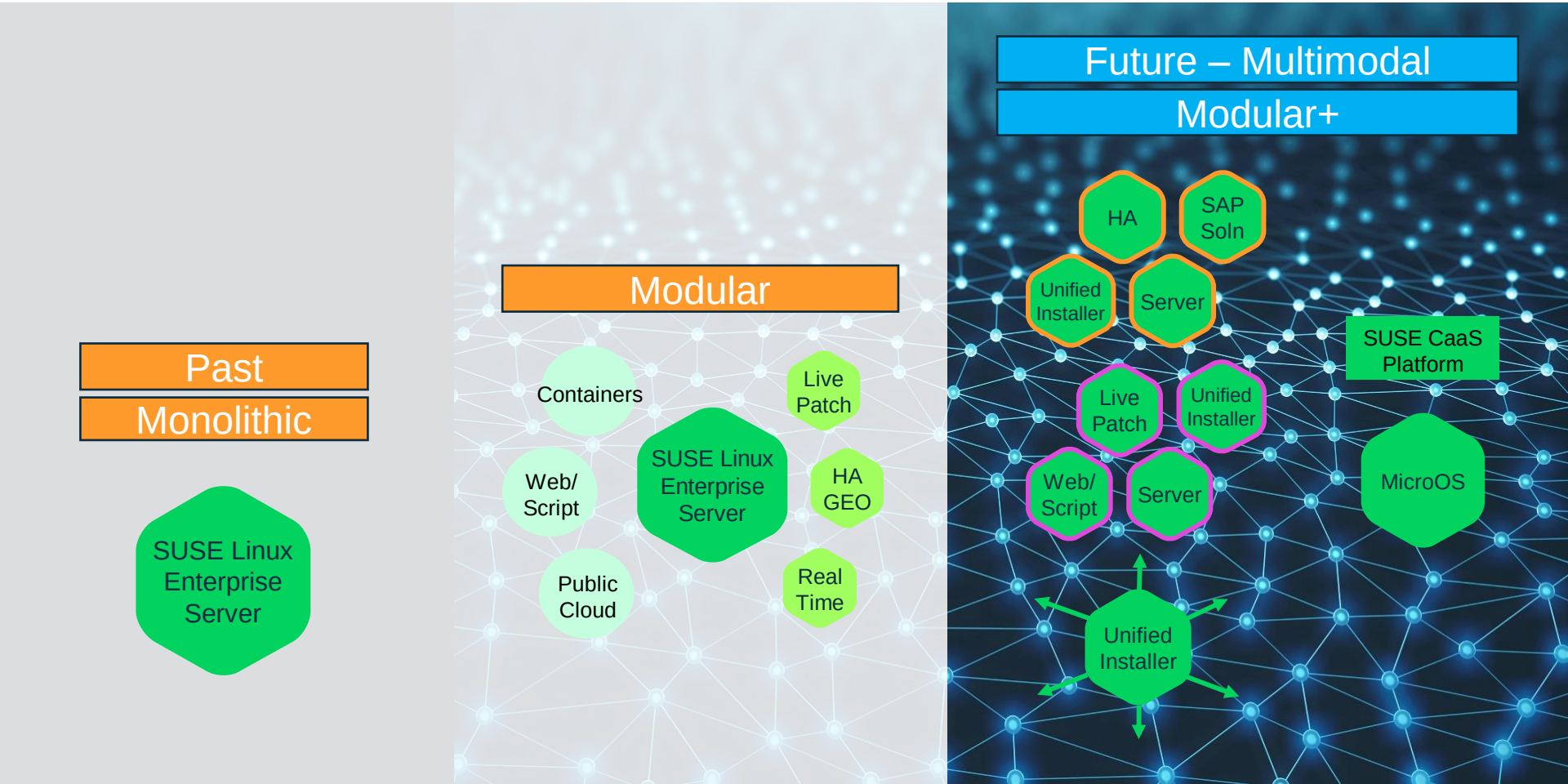
Traditional Infrastructure



SUSE Linux Enterprise 15

Software-Defined Infrastructure

Evolution of **Multimodal OS**



SUSE Linux Enterprise 15

Designed for IT Transformation

Simplify Multimodal IT

Developer Friendly

Make Traditional IT Infrastructure Efficient

“SUSE's flagship distro the SUSE Linux Enterprise comes out at the top for SAP applications, mainframes, high-performance computing (HPC) and other key Linux enterprise-centric use cases.”
IDC Market Note, 2018

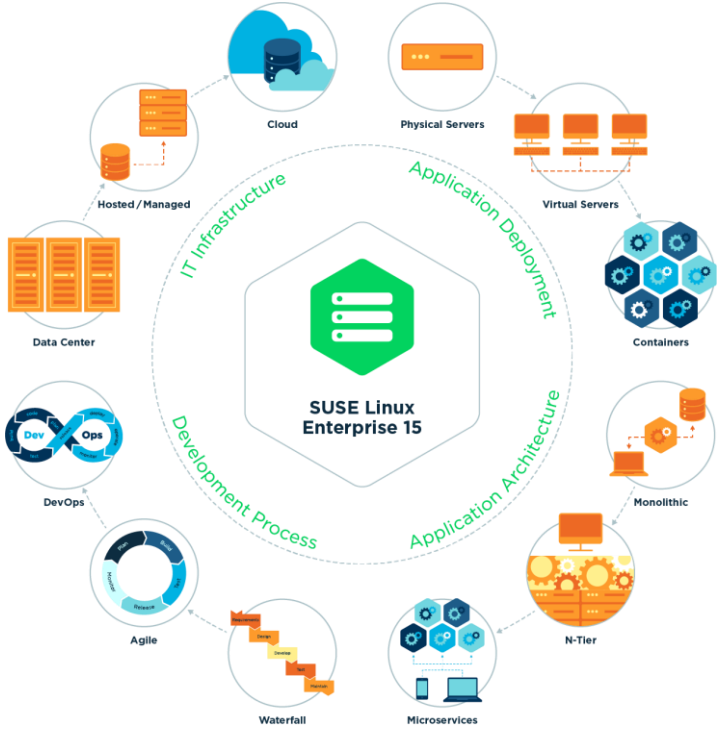
Simplify Multimodal IT

Bridge traditional & software-defined infrastructure

Improve application mobility

Improve systems management

Bring simplicity to support & services



The “**common code base**” is a key feature of SLE15 platform that helps to bridge traditional and software-defined infrastructure. **IDC Market Note, 2018**

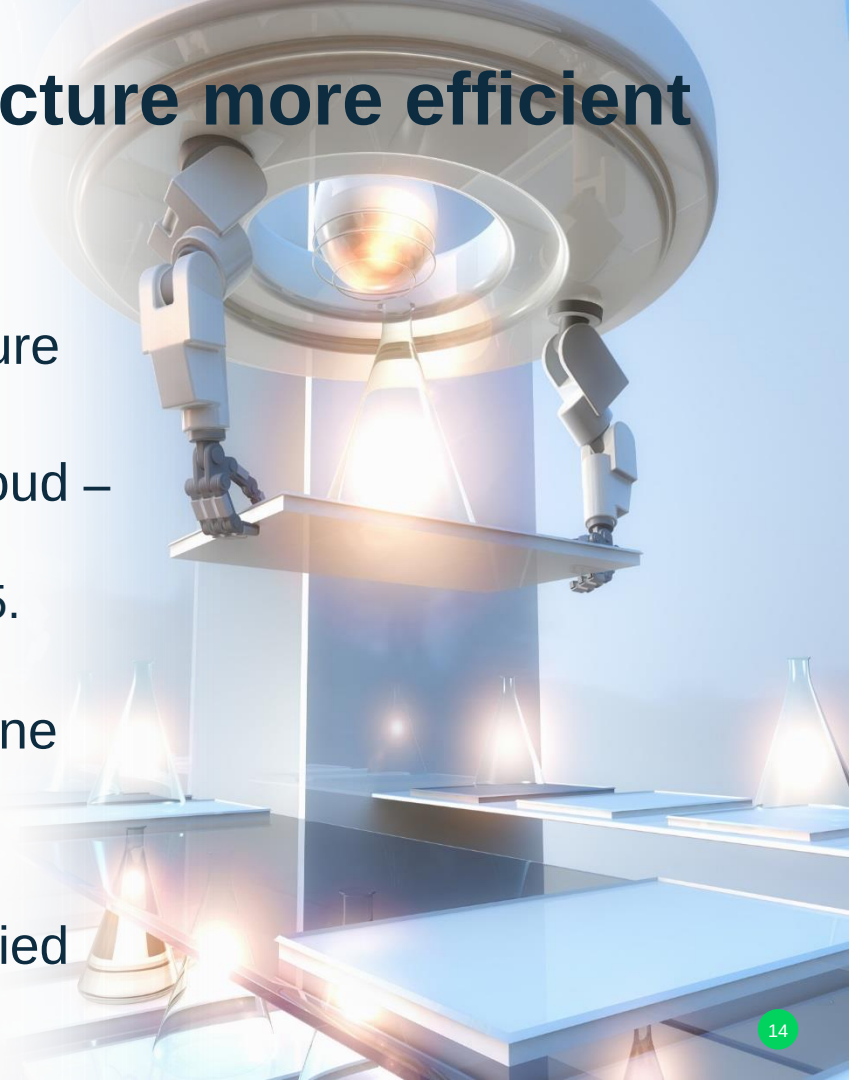
Make traditional IT infrastructure more efficient

Minimize upfront planning and simplify decision making with **Modular+** architecture

Easily transition to or leverage public cloud – Azure, AWS or Google Cloud Platform. Bring-your-own-subscription (BYOS) of SLE15.

Enhance security with disconnected offline installation

Simplify IT operations with the new Unified Installer



Developer friendly

Move to production faster from developer setups

Two options for a direct path to SUSE Linux Enterprise

Option 1

Community Linux
openSUSE Leap

SLE 15

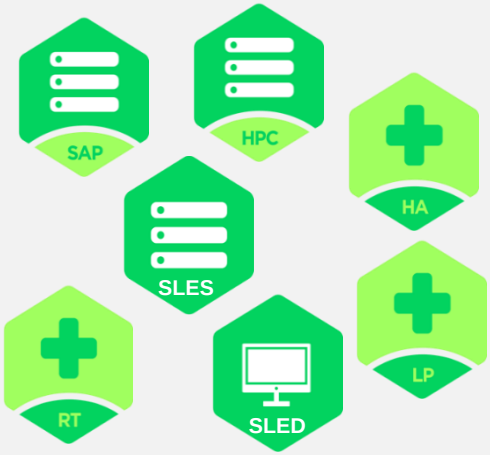
Option 2

Free Developer
Subscription

SLE 15

SUSE Linux Enterprise 15 Technology and What's New

Multimodal OS Architecture



SLE 15 Products

SUSE CaaS Platform

SUSE Cloud Application Platform

SUSE OpenStack Cloud

SUSE Enterprise Storage

SDI Products

Container | Workload

Virtual Machine | Workload

Appliance | Workload

Services

Traditional Infrastructure

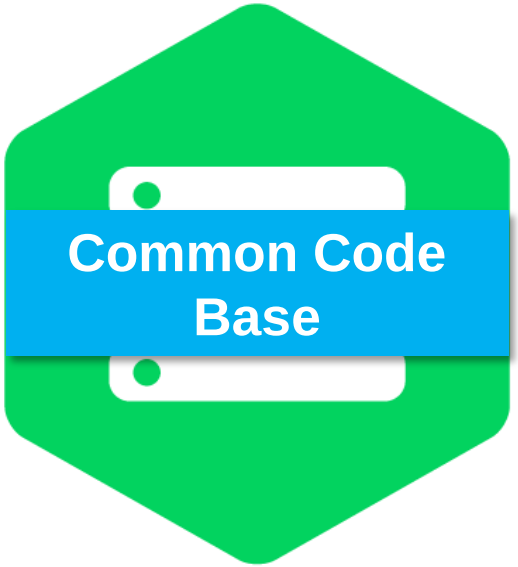
Software-Defined Infrastructure (SDI)

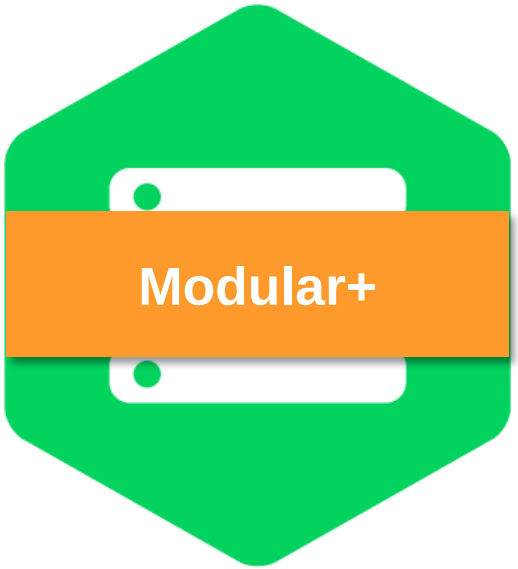
Common Code Base

All Architectures (x86-64, Arm, POWER, IBM Z)

SUSE Linux Enterprise 15

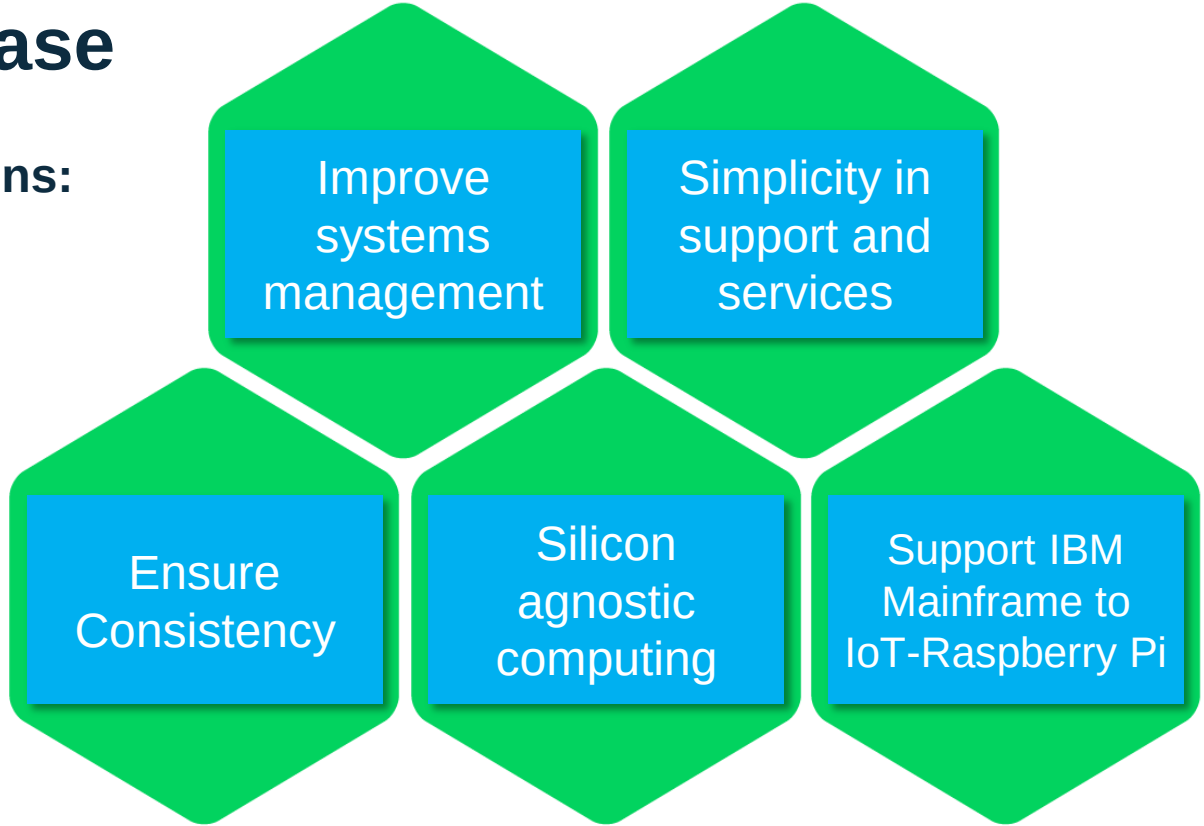
Multimodal OS





Common Code Base

Benefits across 3 dimensions:
Hardware Architecture, Applications and Systems Management

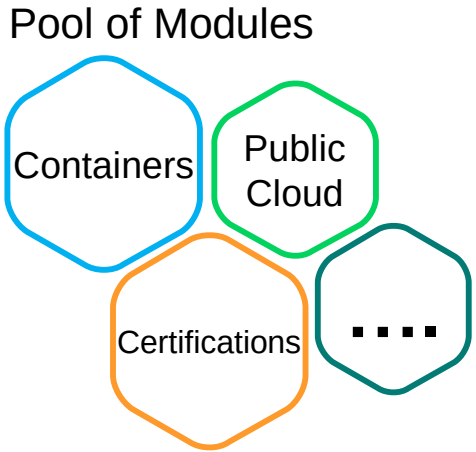


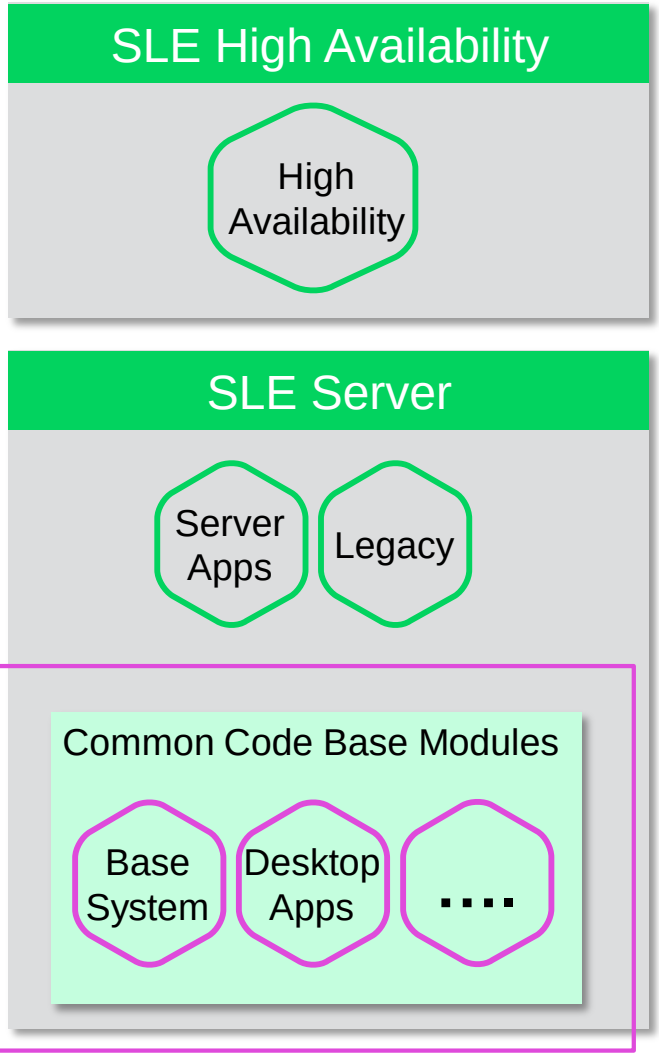
“IDC believes the **common code base** of SLE 15 makes the product a multi-platform OS that is well suited for heterogenous computing environments.”
IDC Market Note, 2018

Modular+

“Everything is a module”

A product (SLE Server) is a set of Modules.





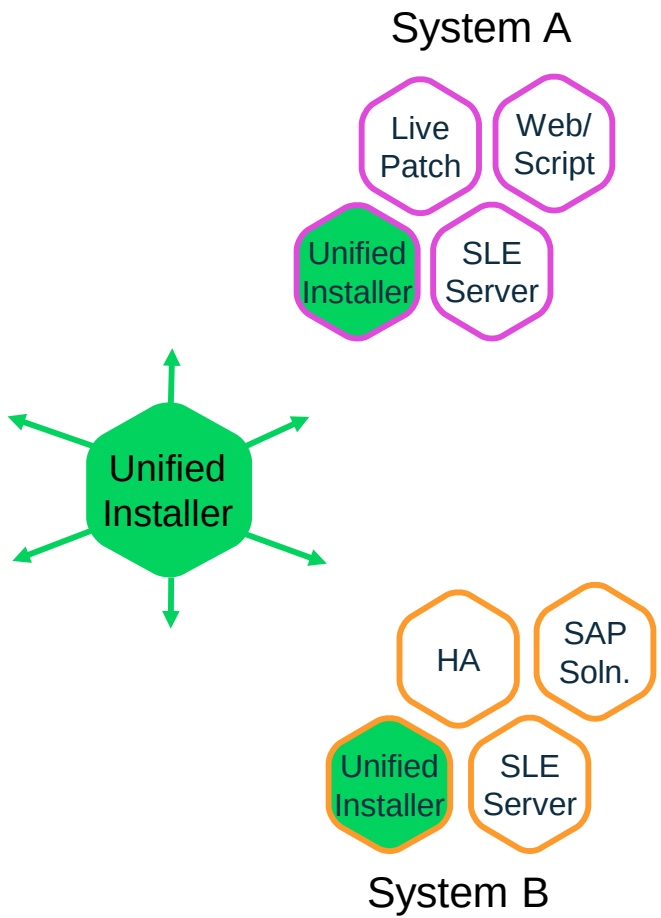
Unified Installer

Single starting point

The Unified Installer installs all SUSE Linux Enterprise 15 products from a single medium.

Easy to deploy

The Unified Installer medium is small.
It allows easier handling, remote use, and faster deployment cycle.



Packages make everything simple

Easy to …

Search

Find packages across all products, extensions and modules

Avoid missed-but-available features

Leverages SUSE Customer Center search engine

View

Display different policies and entitlement needs

Allow customers to mix and match requirements

Trace

Document the used package sources

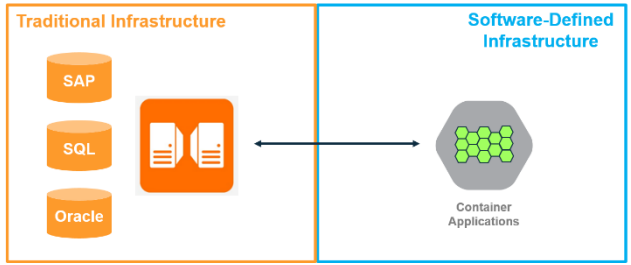
Allow **compliance checks** for packages

Blogs

Links:

SUSE Introduces Multimodal OS to Bridge Traditional and Software-Defined Infrastructure

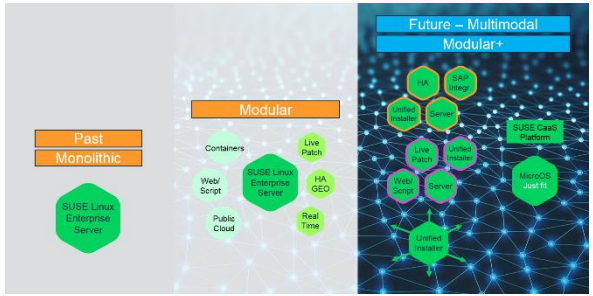
https://www.suse.com/c/suse-introduces-multimodal-os-to-bridge-traditional-and-software-defined-infrastructure/



Links:

The Rise of Multimodal IT and What It Means To You

https://www.suse.com/c/the-rise-of-multimodal-it-and-what-it-means-to-you/



Links:

Multimodal OS – Designed for IT Transformation

https://www.suse.com/c/multimodal-os-designed-for-it-transformation/

SUSE
We adapt. You succeed.