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

Traditional Infrastructure

- Physical Server
- Virtual Machine

Software-Defined Infrastructure

- Container Apps
- Public Cloud

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

Infrastructure & Lifecycle Management
SUSE Manager
SUSE OpenStack Cloud Monitoring

Application Delivery
- Container Management: SUSE CaaS Platform
- Platform as a Service: SUSE Cloud Application Platform

Software-Defined Infrastructure
- Private Cloud / IaaS: SUSE OpenStack Cloud
- Compute: Virtual Machine & Container
- Storage: SUSE Enterprise Storage
- Networking: SDN and NFV
- Operating System: SUSE Linux Enterprise Server

Physical Infrastructure: Server, Switches, Storage

Public Cloud
SUSE Cloud Service Provider Program

SUSE Software - Defined Infrastructure and Application Delivery Approach
Building Bridges with Multimodal OS

SUSE Linux Enterprise 15

Traditional Infrastructure

Software-Defined Infrastructure

Container Apps
Evolution of **Multimodal OS**

**Past**
- SUSE Linux Enterprise Server
- Monolithic

**Modular**
- Containers
- Web/Script
- Public Cloud
- Live Patch
- HA GEO
- Real Time
- SUSE Linux Enterprise Server

**Future – Multimodal Modular+**
- HA
- SAP Soln
- Unified Installer
- Server
- Live Patch
- Unified Installer
- Web/Script
- Server
- Unified Installer
- SUSE CaaS Platform
- MicroOS
- Unified Installer
“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

Option 2
Free Developer Subscription
SUSE Linux Enterprise 15 Technology and What’s New
Multimodal OS Architecture

SLE 15 Products
- SLES
- SLED
- RT
- HA
- LP

SDI Products
- SUSE CaaS Platform
- SUSE Cloud Application Platform
- SUSE OpenStack Cloud
- SUSE Enterprise Storage

Services
- Container Workload
- Virtual Machine Workload
- Appliance Workload

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

Modular+
Common Code Base

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

- Improve systems management
- Simplicity in support and services
- Ensure Consistency
- Silicon agnostic computing
- Support IBM Mainframe to IoT-Raspberry Pi

“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

Links:
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/