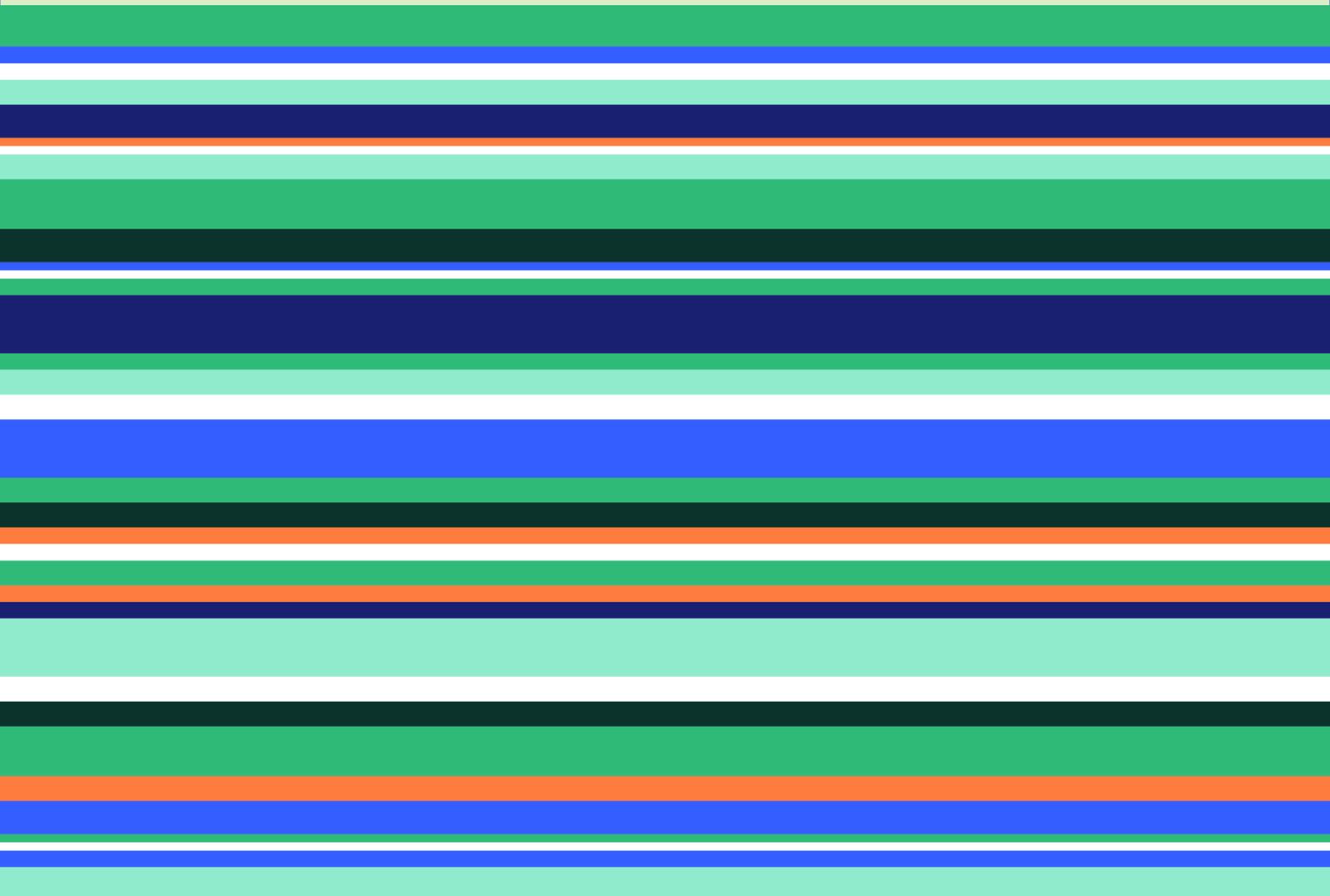# SUSE Virtualization: Implement

## Consulting Services

# High-Level Description

SUSE Virtualization Implement is designed to help organizations modernize their infrastructure by deploying a production-ready SUSE Virtualization environment. The solution supports virtual machine workloads across on-premise and hybrid environments and serves as a strategic alternative to legacy virtualization platforms such as VMware. Leveraging SUSE Linux Enterprise Server with built-in KVM, and optional integration with SUSE Rancher, SUSE Storage, and SUSE Observability, this engagement delivers a secure, scalable, and automated virtualization foundation with a clear path toward container adoption.

# Scope

## Inclusions:

- Project Management: planning, risk assessment, communication, progress tracking, issue resolution, stakeholder management, and project closure.
- Architecture discussions and documentation, including: Hardware and Networking constraints, High Availability, high level principles of Day 2 Operations and Security.
- Assisting with implementation (needs man power from the customer side for external dependencies).
- SUSE Virtualization Configuration including Storage.
- Integration with Rancher Prime: User and Resource Management.
- Application Cluster deployment

## Exclusions:

- Detailed Operations documents such as runbooks and best practices documents (can only happen during live discussions but not written down).
- Any automation or development of custom reports, scripts, software enhancements/extensions, or custom integration with other systems
- Time required out of hours is subject to an uplift charge.

# Use Case

This offering is ideal for organizations modernizing their way to Cloud-Native computing from legacy platforms like VMware and seeking a secure, open-source virtualization environment as a base to their transition. By the end of the engagement, customers will have a production-grade SUSE Virtualization stack deployed across their infrastructure. The solution is designed with operational confidence in mind—featuring integrated observability for real-time visibility, baseline security

configurations aligned to best practices, and support for compliance needs. With optional integration into SUSE Rancher Prime and SUSE Storage, this environment lays the foundation for a scalable, hybrid infrastructure while enabling ongoing insight, control, and trust in virtualized workloads.

# Activities:

## Phase 1 – Discover & Design

- Kickoff session to align on goals, use cases, and technical scope
- Assess infrastructure and recommend changes (hardware, storage, networking, workloads)
- Iterative Architecture discussions: analysis/research, recommendation, feedback, iteration
- Define integration points (e.g., SUSE Rancher Prime, SUSE Storage, Observability solutions)
- Review security, compliance, and disaster recovery requirements
- Deliver and review High-Level Design (HLD)

## Phase 2 – Deploy & Configure

- Validate pre-requisites: external network configuration, DHCP, DNS, NTP, HTTP, OCI Registry, replication of artifacts locally in case of Air-gapped setup.
- Install SUSE Virtualization on up to 3 physical hosts (includes on-the-job knowledge transfer so that customer teams can continue with additional hosts)
- Configure networking (VLANs/VM Networks, load balancing, Longhorn Storage Network) and potentially connect external storage
- Integrate with Rancher
- Apply security configurations (RBAC, SSH, firewalls, access controls)
- Deploy one sample Application Kubernetes Cluster on top of VMs.
- Validate core platform functionality and begin hands-on knowledge transfer

## Phase 3 – Validate & Optimize

- Migrate a sample set of VMs as a proof of concept
- Fine-tune observability stack: metrics, logging, performance dashboards
- Review deployment automation practices and integrations (CI/CD)
- Establish backup/recovery procedures and perform initial security hardening
- Final validation, documentation, and knowledge transfer
- Conduct closing session with roadmap recommendations

# Artifacts:

- High-Level Design Document
- End of Engagement Documentation, including:
    - Deployment summary
    - Next step recommendations
    - Training recommendations

# Outcomes:

- Deployed and optimized SUSE Virtualization environment, tailored to the customer's infrastructure and use cases, with observability, and security considerations. The solution enables proven High-Availability, simplified API-Driven management, a scalable, and open-source foundation for future cloud-native and containerized workloads.

# Timeline

This service typically requires **30 working days** to complete. However, the project delivery schedule will be determined after the order is placed and will vary according to a customer's situation and requirements.

# Pricing

Contact our partner **Cautiva Technology** for a detailed review and preparation of a work plan tailored to your needs.

While SUSE aims to deliver within a fixed timeframe based on estimated work, some customer scenarios may be more complex and require additional work, potentially leading to added costs for extra days.