



# openSUSE Project:

Leap 16, Agama & Other Changes

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# Introduction

- Project Direction & Strategy
- Leap 16 and Why it Matters
- Why openSUSE replaced YaST
- The Agama Installer
- Magic of Myrlyn



# Project Direction & Strategy

- **Git Work Flow**
  - **Several Talks about this Shift**
  - **Reviewable, Auditable, Version-Tracked**
- **Builds/Integration Tied Directly to Git**
- **Aligns with Enterprise DevOps Practices**
- **Modern Workflow, Fewer Outage**



# Leap 16 and Why it Matters



# Leap 16 and Why it Matters

- Major Version For Longevity
- Use SUSE Linux Enterprise Server 16 Sources
- Predictable Long-Term Lifecycle
  - Leap 15 → Leap 16
  - Successor Planned for 2032
- 24 Months of Maintenance and Security



# Leap 16 and Why it Matters

- What's New
  - New Migration Tooling
  - SELinux Now Default Security Framework
  - 32-bit Architecture Disabled by Default
  - x86-64-v2
  - Fresh software stack

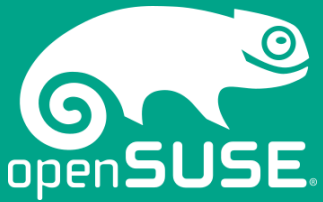


# Leap 16 and Why it Matters

- What's New
  - Parallel downloads in Zypper
  - Replacing YaST
    - Myrlyn for GUI Packages & Configurations
    - Agama with Installer
- ZYpp development starts

**ZYpp**





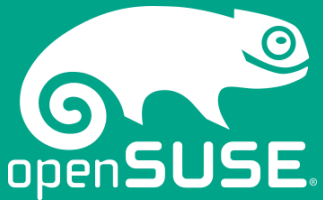
# Why openSUSE replaced YaST



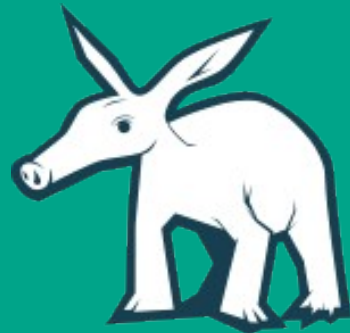
- **YaST Was Built for a Different Era**
- **Codebase Was Difficult to Modernize**
- **Updating Architecture Was Riskier Than Building a New Installer**
- **Git-Based Workflows and Automation More Difficult**







# Why openSUSE replaced YaST



- **New goals required:**
  - **API-Driven Installs**
  - **Declarative Configuration**
  - **Automation by Default**
  - **Cloud and Datacenter Readiness**
  - **Enterprise-Scale Provisioning**



# The Agama Installer

- Design for Automation and Remote Installs
- Modern architecture for long lifecycle systems
- Cockpit Fork
- Web-Based
- Usable Locally or Over The Network



# The Agama Installer

- Lacks some YaST Elements
  - Does Not Have Built-in Setup for Legacy Services (NIS, NFS, DNS, proxy)
  - No Single GUI Covering Everything
  - One-click Under Development



# Magic of Myrlyn



- GUI Repo Management
- Community Repos in One Click
- Safer User Permissions
- Modern UI Workflow
- Decoupled from YaST



# 2025: 20 Years





# THANK YOU

