



openSUSE Project:

Leap 16, Agama & Other Changes

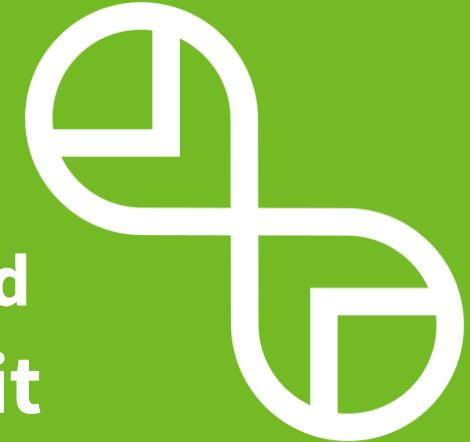
Introduction

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

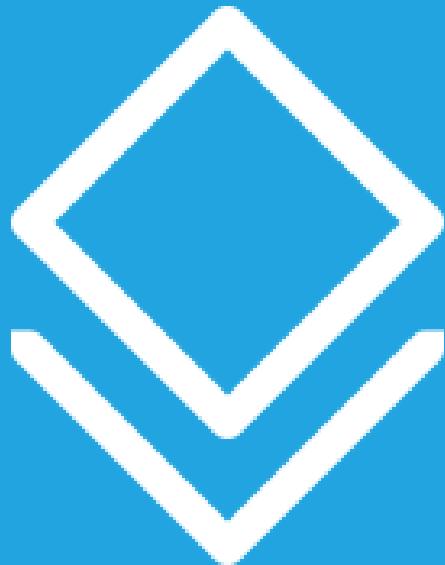


Project Direction & Strategy

- **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

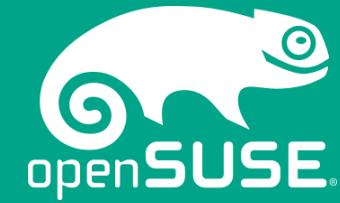
- What's New
 - New Migration Tooling
 - SELinux Now Default Security Framework
 - 32-bit Architecture Disabled by Default
 - x86-64-v2
 - Fresh software stack



Leap 16 and Why it Matters

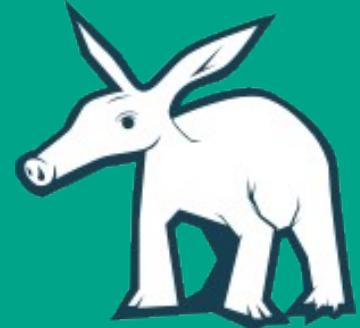
- What's New
 - Parallel downloads in Zypper 
 - Replacing YaST
 - Myrlyn for GUI Packages & Configurations
 - Agama with Installer
 - ZYpp development starts

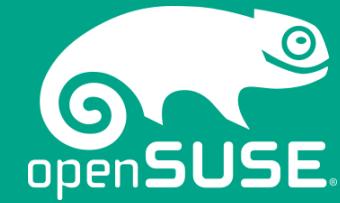




Why openSUSE replaced YaST

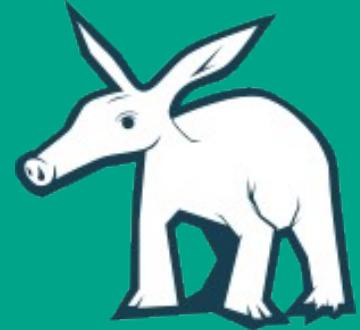
- YaST Was Built for a Different Era
- Codebase Was Difficult to Modernize
- Updating Architecture Was Riskier Than Building a New Installer
- Git-Based Workflows and Automation More Difficult





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

