Top 25 New Features in (Auto)YaST
Passwordless SSH Authentication

- Installation: SSH-based root authentication
- System: management of SSH keys for users
- Introduced in 15.1
Passwordless SSH Authentication

Authentication for the System Administrator "root"

Password for root User

Confirm Password

Test Keyboard Layout

Import Public Key

[Options]

Help  |  Release Notes... |  Abort  |  Back  |  Next
Passwordless SSH Authentication
Mitigation of CPU Vulnerabilities

- Easy configuration of protection against Spectre and Meltdown
- Adjustable in YaST Bootlader
- Configurable during installation
- Introduced in 15.1
- Backported to 15.0
Improved Services Management

- Introduced in 15.1
Bcache Management

- Introduced in 15.1
More Powerful Configuration Management

- Updated support for SUMA Salt Parametrizable Formulas
- Firstboot support
- Introduced in 15.1
Installer Support for Raspberry Pi

- Introduced in 15.1
- Improved in 15.2
Firewalld configuration

- Introduced in 15.1
- Improved in 15.2
Better error reporting in AutoYaST

- Introduced in 15.1
  - General mechanism, errors reported early
  - Basic checks for <partitioning>

- Introduced in 15.2
  - Advanced consistency checks for <partitioning>
  - Network-related checks
  - Firewall checks
Improvements in Several Network Screens

- Wireless configuration (simplified workflow + specific tab)
- Improved overview of bonds and bridges
- Completely revamped UI for routing
- Better support for s390 systems
- Better udev rule handling
- Introduced in 15.2
Multi-device Btrfs

- Introduced in 15.2
Advanced Encryption Features

- Introduced in 15.2
Secure Boot Support for IBM zSeries

- Special feature available only in some recent mainframes
- Unified interface with UEFI Secure Boot
- Introduced in 15.2
Improved Compatibility with WSL

- Windows Subsystem for Linux
- Only WSL1 so far
- Firstboot does not try to use systemd
- Firstboot can be used to register the system
- The control center only displays working modules
- Introduced in 15.2
Online Search for SUSE Linux Enterprise

- Introduced in 15.2
YaST NTP Client & Systemd

- Use a new systemd timer
- No more cron
- The new timer conflicts with the chrony daemon
- Introduced in 15.2
Split of Configuration Files

- Helping users to cope with the new “/etc + /usr/etc” layout
- Better overview of all the /etc/something.d/ directories
- Consolidate files and represent current active settings
- Write to sensible files (e.g., /etc/sysctl.d/70-yast.conf)
- Introduced in 15.2 (sysctl, logins.defs)
- Continuously improving in Tumbleweed
I/O device auto-configuration for zSeries

- Special feature available only in some recent IBM mainframes
- Introduced in SLE-15-SP2 quarterly update
- Also available in Tumbleweed
AutoYaST Profile: Better XML Parser

- More precise conversion XML ↔ data
- Accurate error reporting
- Optional concise syntax
- Integrated validation
- Only Tumbleweed so far
Dynamic AutoYaST Profiles with ERB

- Compatible with AutoYaST pre-scripts
- Helpers: disks, network_cards, os_release
- Test client for dynamic profiles
  - Profile fetching
  - Rules&classes, pre-scripts, ERB
  - XML syntax and schema checks
- Only Tumbleweed so far
AutoYaST UI: Editing Drives

• Only Tumbleweed so far
Exporting a Reduced AutoYaST Profile

- `yast2 clone_system [modules] target=compact`
  - YaST Users: do not export non-system users
  - YaST Firewall: export only modified zones
  - YaST Services Manager: export only changed services
  - ...

- Only Tumbleweed so far
Recognizing LVM Advanced Features

- No more warnings like this for:
  - LVM Cache
  - LVM RAID
  - Mirror logical volumes
  - LVM Snapshots (both thick and thin)
- Correct visualization (with relatively limited operation)
- Possible to upgrade a system
- Only Tumbleweed so far
Look&Feel for Installer and YaST Firstboot

- Unified
- More configurable
- Only Tumbleweed so far
### Improved Partitioner Interface

![Partitioner Interface Diagram](image)

#### Device Table

<table>
<thead>
<tr>
<th>Device</th>
<th>Size</th>
<th>F</th>
<th>Enc</th>
<th>Type</th>
<th>Label</th>
<th>Mount Point</th>
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<tbody>
<tr>
<td>/dev/md/EFI</td>
<td>492.13 GiB</td>
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<td></td>
<td>FAT RAID</td>
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<td>/boot/efi</td>
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<td>HGST-HGST HTS...</td>
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<tr>
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<td>500.00 MiB</td>
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<td>Part of EFI</td>
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<td></td>
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<tr>
<td>sda2</td>
<td>7.51 GiB</td>
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<td>Part of OS</td>
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Thank You