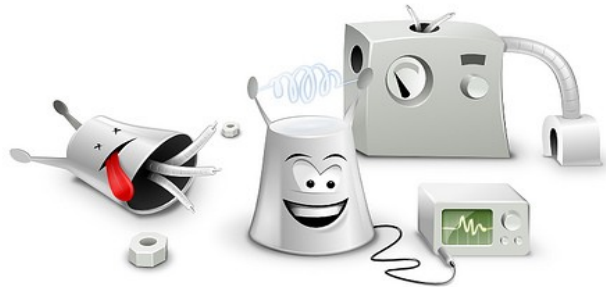


Building Suse Linux Appliances with Suse Studio

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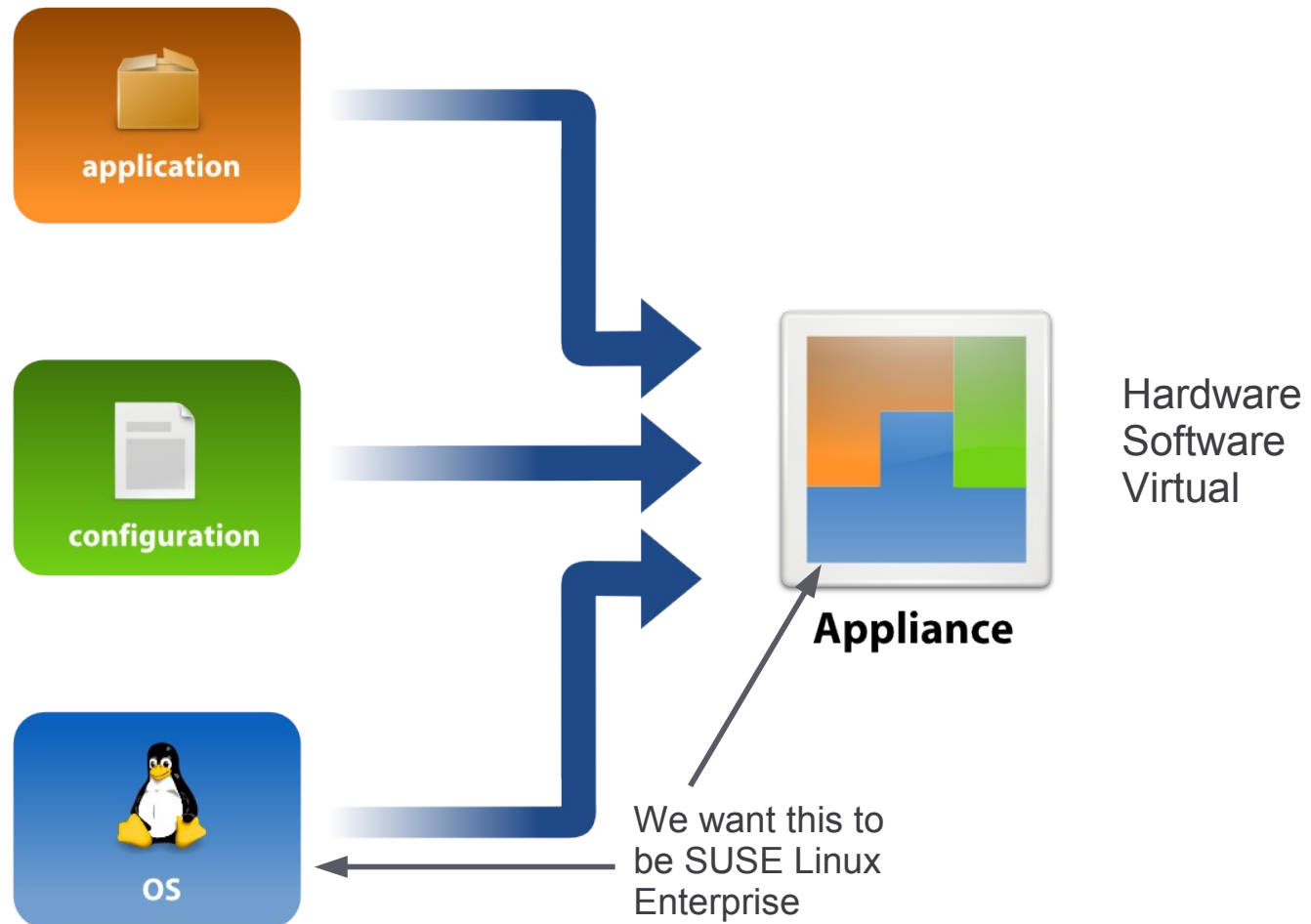
Novell.[®]

What is an appliance ?

- Perform a single task well
- Minimal assembly and setup
- One standalone unit



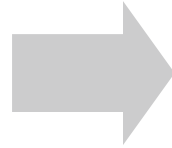
What is a software appliance ?



There are Several Types of Appliances, All Relevant to Novell



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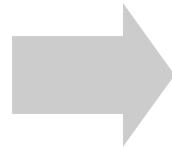


- Live CD
- Bootable USB
- ISO

**Software
Appliance**



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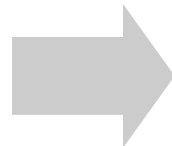


- VMware
- Xen / XenServer
- Hyper-V
- Amazon EC2

**Virtual
Appliance**



Pre-Installed On



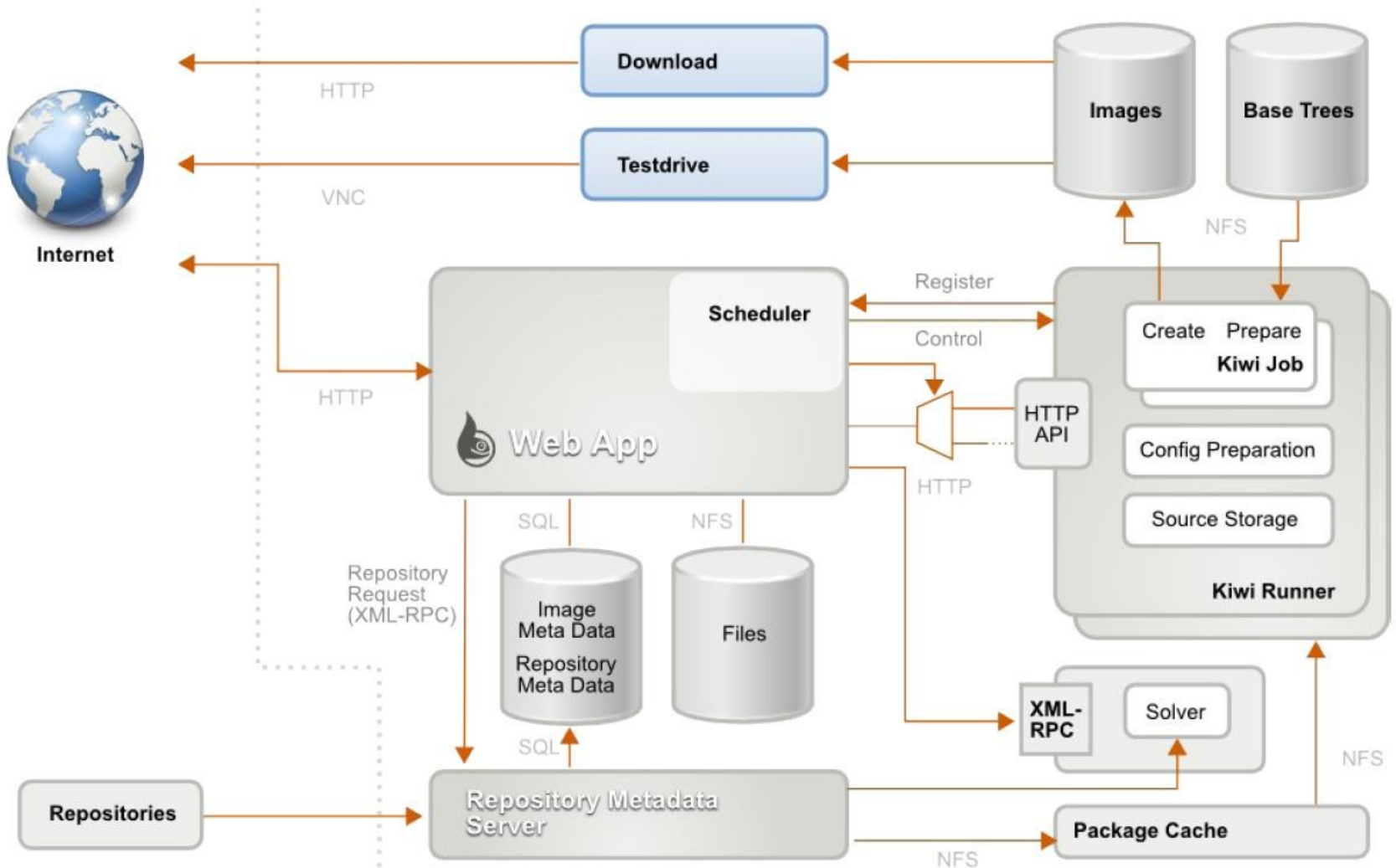
- x86 32- and 64-bit
- System Z

**Hardware
Appliance**

Use cases

- Live CDs, DVDs
- Live USB sticks
- Demo CDs
- Server appliances (LAMP server)
- Installation images for specific hardware (Eee PC)
- Customized distribution (Grandma's openSUSE)
- Specially targeted distributions (Edu-CD)
- Conference CDs (IT in action, presentations)
- ...

SUSE Studio architecture



SUSE Studio Live Demo



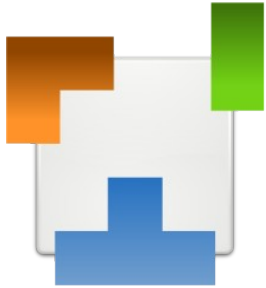
The screenshot shows a Mozilla Firefox browser window displaying the SUSE Studio website. The browser's address bar shows the URL <http://susstudio.com/>. The website's header includes the SUSE Studio logo, the text "my appliances", and a "Sign In" link. The main content area features a large orange banner with a cartoon robot holding a tray. The banner text reads "Your Linux appliance construction kit". Below the banner, there are two call-to-action buttons: "See a screencast" (with a play icon) and "Build an appliance" (with a wrench icon). A section titled "What can you do with SUSE Studio?" lists several capabilities:

- Create a tuned server appliance, containing your application and just enough operating system components
- Spin a live CD or DVD with just the packages and software you need
- Create a ready-to-run VMware virtual appliance
- Create a live USB key and carry your Linux system with you wherever you go
- Build a hard disk image for preloading onto hardware
- Install from your live CD, DVD or USB key to your hard drive

Below this list is a section titled "SUSE Studio Alpha Signup". It includes a small icon of a document and a pen, followed by the text: "We are currently testing SUSE Studio with a limited number of users. If you'd like to be notified as soon as we are ready to send more invites, enter your email address below:". There is an "Email:" label, an input field, and a "Sign me up!" button.

At the bottom of the page, there are links for "Wiki", "Forum", "Twitter", "Screencast", "Logos & badges", and "Jobs". The footer text reads "© 2008 Novell, Inc."

The SUSE Appliance Program Platform Tools



Creation

Platform Tools:

- SUSE Studio
- Kiwi
- JeOS
- AutoYast

Tool Features

- Online, On-site
- Build system connect-able
- Interchangeable
- Multiple target platforms



Configuration

Platform Tools

- WebYast
- SUSE Studio
- Kiwi

Tool Features

- Online
- On-site
- Remote Capable



Updating

Platform Tools

- Appliance Update Server
- SUSE Studio
- RPM Workbench

Tool Features

- Online
- On-site
- Remote Capable
- Entitlement Based

SUSE® Appliance Program Who is Building Appliances?



SUSE Appliance Program Strategy

- Phase 1 (2009): Elegant Solutions
 - SUSE Linux Enterprise, SUSE Studio and Kiwi
 - Partnerships with control point vendors
- Phase 2 (2010): Enhanced Ecosystem and Tools
 - Leverage new appliance products
 - > SUSE Studio Enterprise
 - > Enhanced Management Tools (WebYast, SMT)
 - Partner for complete solutions and channels
- Phase 3 (2011+): Improved Management and Cloud
 - Enhance appliance management and monitoring
 - Continue SLE growth; integrate with cloud offerings

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