Title: Overview of System Image
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Presentation Structure:
1. Introduction
2. Overview
3. Image Preparation
4. Using it
5. Conclusion

1. Intro To System Imagers :-

Software Title: System Imager
Author: mail:brian.cameron@sun.com
Author: mail:jeffrey.hamblin@sun.com
Version: 3.0.0beta
Source Code: Available from CVS (see below)

Scope of System Imager:-

System Installation Suite is for workstations:-

- Sun Sparc
- A collection of open source software projects.
- Supports Solaris 8 and 9 on a configuration of networked computers.
- Modular framework design
- Configuration management
- Distribution independent
- Scalable

Modules of System Installation Suite

Source Code Repository:-
URL: http://cvs.sysimagers.org
- Automatic Linux installs, software distribution, and patch deployment.

Technical implementation:-

- Uses CVS http://www.nongnu.org/cvs/ for distribution for Unbundled Solaris software packages and patches for configuration of
  - Network Scripts.
  - Solaris Patches.
  - Bootscripts.
  - Solaris Packages.
- access of Linux distributions and all architectures that Linux runs on
- Uses Perl, Bourne Shell, Tcl/Tk, Expect, Perl Modules, Perl Extensions, Perl Embedding, NFS, Linux, Cadmus/ Solaris Patches, PrimeNFS, and Ignitions.
- Uses Autoconfig.

Technical Support:-

- Mailing lists: mail:sysimagers-talk@sun.com
- E-mail and gnu-software-style bug reports: mail:sysimagers-bugs@sun.com
- Bug tracking system: http://www.sysimagers.org/bugzilla
- Donut automatically work with System Imagers.

2. Overview

What is it:-

- Automated installation of:
  - application clusters,
  - patches,
  - customer desktop environments.

3. Install of system Imager:-

Pre requisites:-

- Sun Sparc workstation
- Solaris 8 or 9 installed
- solaris + sun-cron
- solaris + sun-ldap
- solaris + sun-ldap-client
- solaris + sun-nfs
- solaris + tcl
- solaris + tcl-devel
- solaris + sun-ldap-DB-DEMO
- solaris + sun-ldap-DB

Setup ssh key authentication for ssu:-

- ssh-keygen -t rsa -N root-id-rsa -f root-id-rsa
- chmod 700 ~/.ssh
- cd ~/.ssh
- cat root-id-rsa.pub>>authorized_keys2
- chmod 600 authorized_keys2

Download and install System Imager Packages:

- /bin/sunos /opt/sysv.x.x/sysimager /var/sysimager
- /usr/local
- /opt/bin/wrapper.sh /opt/bin/gtar gzip
- /usr/local/bin/ssu
- /usr/local/ssu -download -install -install_server

```
/bin/sunos /opt/sysv.x.x/sysimager /var/sysimager
/usr/local /opt/bin/wrapper.sh /opt/bin/gtar gzip
/usr/local/bin/ssu
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```
/bin/sunos /opt/sysv.x.x/sysimager /var/sysimager
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/usr/local/bin/ssu
/usr/local/ssu -download -install -install_server
```

Enable SSH Support

```
/usr/local/ssu -enable_ssh
```

```
/usr/local/ssu -enable_ssh
```

Download the sysimager source tarball :-

```
/usr/local/ssu -download -sysimager
```

```
/usr/local/ssu -download -sysimager
```

Prepare the system to accept a clone from remote clients:

```
/usr/local/ssu -prepare -clients
```

```
/usr/local/ssu -prepare -clients
```

Use LDAP, modify /etc/nsswitch.conf :-

```
/usr/local/ssu -ldap -client -ldap_server_ip x.x.x.x
                 -ldap_domain dc=sysimagers,dc=com
                 -ldap_proxy_password secret
                 -ldap_port 389
                 -ldap_type ldap
                 -ldap_base_dn dc=sysimagers,dc=com
                 -ldap_version 3 -ldap_ssl 2 -ldap_tls 0 -ldap_chase 0 -ldap_timelimit 30 -ldap_timeout 30 -ldap_bind_timelimit 30 -ldap_bind_timeout 30 -ldap_search_scope sub -ldap_search_time_limit 30 -ldap_search_timeout 30 -ldap_search_limit 100 -ldap_search_aliases never -ldap_search_sizelimit 100 -ldap_search_mandatory_attr objectclass -ldap_search_preferred_attr objectclass -ldap_search_ldap_timelimit 30 -ldap_search_ldap_timeout 30 -ldap_search_ldap_sizelimit 100 -ldap_search_ldap_mandatory_attr objectclass -ldap_search_ldap_preferred_attr objectclass -ldap_search_ldap_scope sub -ldap_search_ldap_base dc=sysimagers,dc=com -ldap_search_ldap_aliases never -ldap_search_ldap_deref never -ldap_search_ldap_dn2root cn -ldap_search_ldap_attribute cn -ldap_search_ldap_filter objectclass=* -ldap_search_ldap_bind_timelimit 30 -ldap_search_ldap_bind_timeout 30 -ldap_search_ldap_referrals 0
```