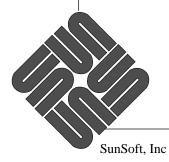


Agenda

• Overview

- Features and Enhancements
- Installation and Administration
- Summary



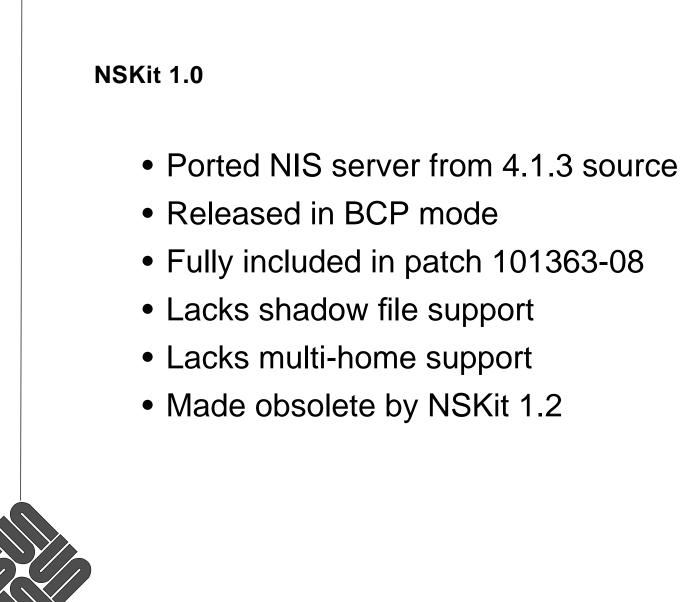


Generic Solaris 2

- NIS/YP Server is NOT supported
- Only NIS+ Server is supported
- NIS/YP client library is supported



Overview







- NOT A SUPPORTED PRODUCT
- Never left beta stage
- Does not do DNS lookups well
- Made obsolete by NSKit 1.2

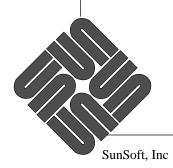


Overview

NSKit 1.2

- Runs native on Solaris 2
- Provides SPARC & Intel architecture support
- Contains bug fixes and enhancements
- Supports shadow file format
- Supports multi-homed hosts
- Asynchronous DNS lookups
- Includes AnswerBook documentation
- Is more reliable than NSKit 1.0

- Supports multiple password formats
- Implements C2 security
- Uses improved DNS forwarding mechanism
- Contains built-in multi-home capability





Multiple Password File Formats

- Supports both Solaris 1 and Solaris 2 style password formats
 - Solaris 1: passwd
 - Solaris 2: passwd and shadow
- Includes enhancement to rpc.yppasswdd to support both formats
- Includes built-in codes in /var/yp/Makefile to support both formats

C2 Security

- Supports C2 Security
 - passwd.adjunct
- Works with and without shadow file
 - uses the passwd information from shadow if shadow file exists



Passwd information is determined by the following algorithm:

- First, the \$PWDIR/shadow file is checked
- Second, the \$PWDIR/security/passwd.adjunct file is checked
- Third, the \$PWDIR/passwd file is checked

The Makefile macro \$PWDIR is set in /var/yp/Makefile

/var/yp/Makefile change

- Make macro **DIR** specifies /etc files
- Make macro **PWDIR** specifies password files

/usr/lib/netsvc/yp/rpc.yppasswdd change

• The **-D** command option specifies the directory for password files

DNS Forwarding

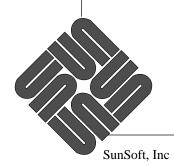
- Fully asynchronous
- Uses NIS+ DNS forwarding daemon
 - /usr/sbin/rpc.nisd_resolv
- References the file /etc/resolv.conf on the server
- Returns all addresses for multi-home entries from DNS

DNS Interface changes

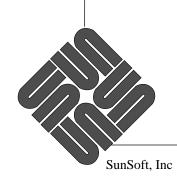
- /usr/lib/netsvc/yp/ypserv -d option used to turn on DNS forwarding
- /usr/sbin/makedbm -b option is also used to support DNS forwarding compatibility with existing NIS installations

Multi-home Functionality

- Built-in multi-home functionality
- Conforms to the SUNWcluster package
- Multi-home NIS query returns closest match



- Package Installation
- NSKit Administration
- Troubleshooting



Installation

- Make sure SUNWspro is already installed
- Remove any old version of NSKit
- Install the NSKit packages
 - SUNWnsktu usr files that comprise NSKit 1.2 - the NIS startup script and files in /var/yp directory
 - SUNWnsktr root files that comprise NSKit 1.2 - *NIS manpages and files in /usr/lib/netsvc/yp and* /usr/sbin directories
 - SUNWnskta NSKit 1.2 AnswerBook



Installation (cont.)

- Install the mandatory Solaris patch from CD
 - Patch 102707-02 for Solaris 2.3 Sparc
 - Patch 102704-02 for Solaris 2.4 Sparc
 - Patch 102705-02 for Solaris 2.4 Intel
- No pre-install patches for Solaris 2.5



Administration

- /var/yp/Makefile minimum change required
 - requires admins to set the PWDIR and DIR macros
 - requires admins to set the **-b** flag for DNS forwarding
- /etc/init.d/yp fully automated
 - turns on DNS forwarding automatically if /etc/resolv.conf file exists
 - automatically sets the passwd directory for the password daemon to the PWDIR macro specified in the /var/yp/Makefile

Troubleshooting

- Solaris patch
- /usr/ccs/bin in PATH
- /var/yp/Makefile
- /usr/lib/netsvc/yp/rpc.yppasswdd
- /usr/sbin/rpc.nisd_resolv
- /etc/resolv.conf
- /etc/nsswitch.conf

Summary

- NSKit 1.2 is a fully supported SunSoft unbundled product
- NSKit 1.2 provides all the functionality, and more, of the NSKit 1.0 version
- NSKit 1.2 is supported on Solaris 2.3 and 2.4, including 2.4 Intel (see patches)
- NSKit 1.2 will also be available on the Solaris 2.5 Migration CD and Server Supplement CD

