

Oracle Solaris 11.4 Documentation Update Addendum



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Using This Documentation

- **Overview** – Provides documentation updates for some Oracle Solaris 11.4 books.
- **Audience** – System administrators.
- **Required knowledge** – Basic Oracle Solaris or UNIX system administration experience and general file system administration experience.

Product Documentation Library

Documentation and resources for this product and related products are available at [Oracle Solaris 11.4 Information Library](#).

Feedback

Provide feedback about this documentation at <http://www.oracle.com/goto/docfeedback>.

1

Getting Started With Oracle Solaris

This chapter provides documentation updates for books in the [Getting Started With Oracle Solaris](#) section of the [Oracle Solaris 11.4 Documentation Library](#).

This chapter includes documentation updates for the following Oracle Solaris 11.4 books:

- [Oracle Solaris 11.4 Release Notes](#)
- [What's New in Oracle Solaris 11.4](#)
- [Transitioning From Oracle Solaris 10 to Oracle Solaris 11.4](#)

Oracle Solaris 11.4 Release Notes

You can find release notes for each Oracle Solaris 11.4 Support Repository Update (SRU) at https://support.oracle.com/knowledge/Sun%20Microsystems/2433412_1.html.

This book has not been updated since May 2021.

What's New in Oracle Solaris 11.4

This book has not been updated since August 2018.

Transitioning From Oracle Solaris 10 to Oracle Solaris 11.4

This book has not been updated since August 2019.

2

Installing and Booting Oracle Solaris

This chapter provides documentation updates for books in the [Installing and Booting Oracle Solaris](#) section of the [Oracle Solaris 11.4 Documentation Library](#).

This chapter includes documentation updates for the following Oracle Solaris 11.4 books:

- [Manually Installing an Oracle Solaris 11.4 System](#)
- [Customizing Automated Installations With Manifests and Profiles](#)
- [Booting and Shutting Down Oracle Solaris 11.4 Systems](#)

Manually Installing an Oracle Solaris 11.4 System

This book has not been updated since August 2021.

Customizing Automated Installations With Manifests and Profiles

This book has not been updated since November 2020.

Booting and Shutting Down Oracle Solaris 11.4 Systems

This book has not been updated since November 2020.

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Updating and Recovering Oracle Solaris

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- [Creating Package Repositories in Oracle Solaris 11.4 System](#)
- [Creating and Administering Oracle solaris 11.4 Boot Environments](#)
- [Creating a Custom Oracle Solaris 11.4 Image](#)
- [Using Unified Archives for System Recovery and Cloning in Oracle Solaris 11.4](#)

Creating Package Repositories in Oracle Solaris 11.4

This book has not been updated since May 2020.

Creating and Administering Oracle Solaris 11.4 Boot Environments

This book has not been updated since November 2019.

Creating a Custom Oracle Solaris 11.4 Image

This book has not been updated since November 2020.

Using Unified Archives for System Recovery and Cloning in Oracle Solaris 11.4

This book has not been updated since September 2020.

4

Configuring and Administering Oracle Solaris

This chapter provides documentation updates for books in the [Configuring and Administering Oracle Solaris](#) section of the [Oracle Solaris 11.4 Documentation Library](#).

This chapter includes documentation updates for the following Oracle Solaris 11.4 books:

- [Introduction to Oracle Solaris 11.4 Administration](#)
- [Managing System Information, Processes, and Performance in Oracle solaris 11.4](#)
- [Managing System Services in Oracle Solaris 11.4](#)
- [Configuring and Managing Printing in Oracle Solaris 11.4](#)
- [Troubleshooting System Administration Issues in Oracle Solaris 11.4](#)
- [International Language Environments Guide for Oracle Solaris 11.4](#)

Introduction to Oracle Solaris 11.4 Administration

This book has not been updated since November 2020.

Managing System Information, Processes, and Performance in Oracle Solaris 11.4

This book has not been updated since August 2021.

Managing System Services in Oracle Solaris 11.4

This section includes the following documentation updates for *Managing System Services in Oracle Solaris 11.4*:

- [Update the Modifying Services That Are Controlled by `inetd` Section](#)
- [Update the How to Add a New Instance of a Service that is Controlled by `inetd` Task](#)

Update the Modifying Services That Are Controlled by `inetd` Section

- The following content replaces the introductory paragraph of [Modifying Services that are Controlled by `inetd` in *Managing System Services in Oracle Solaris 11.4*](#):

`inetd` is the delegated restart for many internet services that run under the Service Management Facility (SMF). `inetd` performs the following actions:

- Manages service states in response to administrative requests
- Manages system failures
- Manages service failures
- Listens to the network for service requests, when appropriate

- The following content places information about identifying services that are controlled by `inetd` into a new section of [Modifying Services that are Controlled by `inetd` in *Managing System Services in Oracle Solaris 11.4*](#):

Identifying Services That Are Controlled by `inetd`

To confirm that the service you want to modify is controlled by `inetd`, use either the `inetadm` command or the `svcs -R` command. The following examples use these commands to list all `inetd` controlled services. Note that the following examples show only a partial list:

```
$ inetadm
ENABLED STATE FMRI
enabled online svc:/application/cups/in-lpd:default
...
disabled disabled svc:/application/x11/xvnc-inetd:default
$ svcs -R network/inetd:default
STATE STIME FMRI
online 8:11:10 svc:/application/cups/in-lpd:default
...
online 8:11:11 svc:/network/rpc/smsserver:default
```

The `general/restarter` service property indicates whether a particular service is controlled by `inetd`.

```
$ svcprop -p general/restarter cups/in-lpd
svc:/network/inetd:default
```

The `svcs -l` command also shows the restarter. Note that the following example shows only partial output:

```
$ svcs -l cups/in-lpd
...
restarter svc:/network/inetd:default
...
```

- Rename the [Converting `inetd` Services to SMF Services in *Managing System Services in Oracle Solaris 11.4*](#) section to `Converting an inetd.conf Defined Service Definition to an SMF Service`. Move this renamed section to the end of the `Modifying Services that are Controlled by inetd` section.

Update the How to Add a New Instance of a Service That Is Controlled by `inetd` Task

Remove Step 3 from [How to Add a New Instance of a Service That Is Controlled by `inetd` in *Managing System Services in Oracle Solaris 11.4*](#).

Configuring and Managing Printing in Oracle Solaris 11.4

This book has not been updated since August 2019.

Troubleshooting System Administration Issues in Oracle Solaris 11.4

This book has not been updated since November 2020.

International Language Environments Guide for Oracle Solaris 11.4

This section includes the following documentation updates for *International Language Environments Guide for Oracle Solaris 11.4*:

- [Specifying Unicode Versions](#)

Specifying Unicode Versions

Add the following note to [Unicode Overview in *International Language Environments Guide for Oracle Solaris 11.4*](#):



Note:

Oracle Solaris 11.4 SRU 51 introduces Unicode Version 14.0.0 for ZFS file system namespaces in ZFS file system Version 8 and ZFS pool Version 49. For more information, see [Specifying Unicode Versions in *Managing ZFS File Systems in Oracle Solaris*](#).

5

Administering Oracle Solaris Networks

This chapter provides documentation updates for books in the [Administering Oracle Solaris Networks](#) section of the [Oracle Solaris 11.4 Documentation Library](#).

This chapter includes documentation updates for the following Oracle Solaris 11.4 books:

- [Strategies for Network Administration in Oracle Solaris 11.4](#)
- [Planning for Network Deployment in Oracle solaris 11.4](#)
- [Oracle Solaris 11.4 Network Administration Cheatsheet](#)
- [Configuring and Managing Network Components in Oracle Solaris 11.4](#)
- [Administering TCP/IP Networks, IPMP, and IP Tunnels in Oracle Solaris 11.4](#)
- [Managing Network Virtualization and Network Resources in Oracle Solaris 11.4](#)
- [Managing Network Datalinks in Oracle Solaris 11.4](#)
- [Configuring an Oracle Solaris 11.4 System as a Router or a Load Balancer](#)
- [Securing the Network in Oracle Solaris 11.4](#)
- [Troubleshooting Network Administration Issues in Oracle Solaris 11.4](#)

Strategies for Network Administration in Oracle Solaris 11.4

This book has not been updated since November 2018.

Planning for Network Deployment in Oracle Solaris 11.4

This book has not been updated since March 2019.

Oracle Solaris 11.4 Network Administration Cheatsheet

This book has not been updated since August 2018.

Configuring and Managing Network Components in Oracle Solaris 11.4

This book has not been updated since February 2022.

Administering TCP/IP Networks, IPMP, and IP Tunnels in Oracle Solaris 11.4

This book has not been updated since November 2020.

Managing Network Virtualization and Network Resources in Oracle Solaris 11.4

This book has not been updated since November 2020.

Managing Network Datalinks in Oracle Solaris 11.4

This book has not been updated since November 2020.

Configuring an Oracle Solaris 11.4 System as a Router or a Load Balancer

This book has not been updated since November 2020.

Securing the Network in Oracle Solaris 11.4

This book has not been updated since May 2021.

Troubleshooting Network Administration Issues in Oracle Solaris 11.4

This book has not been updated since November 2020.

6

Administering Network Services in Oracle Solaris

This chapter provides documentation updates for books in the [Administering Network Services in Oracle Solaris](#) section of the [Oracle Solaris 11.4 Documentation Library](#).

This chapter includes documentation updates for the following Oracle Solaris 11.4 books:

- [Introduction to Oracle Solaris 11.4 Network Services](#)
- [Managing Clock Synchronization in Oracle Solaris 11.4](#)
- [Working With DHCP in Oracle Solaris 11.4](#)
- [Managing IP Quality of Service in Oracle Solaris 11.4](#)
- [Managing sendmail Services in Oracle Solaris 11.4](#)
- [Managing Serial Networks Using UUCP and PPP in Oracle Solaris 11.4](#)
- [Managing Remote Systems in Oracle Solaris 11.4](#)
- [Working With Oracle Solaris 11.4 Directory and Naming Services: DNS and NIS](#)
- [Working With Oracle Solaris 11.4 Directory and Naming Services: LDAP](#)
- [Oracle Solaris 11.4 Network File Sharing Cheatsheet](#)
- [Troubleshooting Network Administration Issues in Oracle Solaris 11.4](#)

Introduction to Oracle Solaris 11.4 Network Services

This book has not been updated since September 2020.

Managing Clock Synchronization in Oracle Solaris 11.4

This book has not been updated since January 2019.

Working with DHCP in Oracle Solaris 11.4

This book has not been updated since November 2020.

Managing IP Quality of Service in Oracle Solaris 11.4

This book has not been updated since August 2018.

Managing sendmail Services in Oracle Solaris 11.4

This book has not been updated since November 2020.

Managing Serial Networks Using UUCP and PPP in Oracle Solaris 11.4

This book has not been updated since February 2022.

Managing Remote Systems in Oracle Solaris 11.4

This book has not been updated since November 2020.

Working With Oracle Solaris 11.4 Directory and Naming Services: DNS and NIS

This book has not been updated since November 2020.

Working With Oracle Solaris 11.4 Directory and Naming Services: LDAP

This section includes the following documentation updates for *Working With Oracle Solaris 11.4 Directory and Naming Services: LDAP*:

- [Add Information About Creating an Active Directory and LDAP Client](#)

Add Information About Creating an Active Directory and LDAP Client

Add the following section to [Chapter 5, Setting Up LDAP Clients in Working With Oracle Solaris 11.4 Directory and Naming Services: LDAP](#):

Creating an Active Directory and LDAP Client

You can create a name service configuration that supports SMB file sharing between Oracle Solaris and Windows systems. This name service configuration enables an Oracle Solaris LDAP client be an Active Directory (AD) client, as well.

How to Add an Oracle Solaris LDAP Client to an Active Directory Configuration

This procedure creates an Active Directory (AD) and LDAP client by registering an existing Oracle Solaris LDAP client with an AD server.

- 1. Put an existing Oracle Solaris LDAP client in domain mode.**

A client in domain mode is registered and recognized by the AD domain controllers and has Kerberos configured. See [How to Configure an SMB Server in Domain Mode in Managing SMB File Sharing and Windows Interoperability in Oracle Solaris 11.4](#).

The `smbadm join` command requires that you specify the domain user, which is an authenticated user account that can join the domain.

```
# smbadm join -u username domain-name
```

The following example command puts the `example.com` host in domain mode and specifies Administrator as the domain user:

```
# smbadm join -u Administrator example.com
After joining example.com the smb service will be restarted automatically.
Would you like to continue? [no]: yes
Enter domain password: Administrator-password
Locating DC in example.com ... this may take a minute ...
Joining example.com ... this may take a minute ...
Computer account exists (CN=TESTHOST,CN=Computers,DC=example,DC=com)
Successfully joined example.com
```

2. Configure the LDAP naming services to use AD.

```
# nscfg adldap
```

Note:

The `nscfg adldap` command fails if the client is not in domain mode.

This command inspects the AD LDAP server to verify that the required LDAP schema can support Oracle Solaris users and groups. Then, this command puts the system into LDAP manual mode and configures proxy authentication that uses `sasl/GSSAPI` (Kerberos) credentials for the LDAP server. The Kerberos host principal is the credential that enables the connection to the AD LDAP server.

The updated configuration includes service search descriptors, configures the user, password, and group databases, and updates the SMF LDAP service (`svc:/network/ldap/client:default`). The LDAP service restarts automatically.

Additionally, the name switch service configuration (`svc:/system/name-service/switch:default`) is updated. Both the name switch service and the name service cache service (`svc:/system/name-service/cache:default`) restart automatically.

The following example command performs the initialization process and the `-v` option outputs the process steps:

```
# nscfg adldap -v
Check AD prerequisites...
  Check DNS...
  Check for existing LDAP configuration...
    Check LDAP service...
    Check name service switch service...
    Check name service cache service...
  Check SMB...
    Gather AD domain configuration from SMB...
    Check AD domain configuration from SMF...
    Gather additional dcs from smbadm...
    Probe AD LDAP server...
  posixAccount entries detected in BaseDN  found 34 people in basedn
  posixGroup entries detected in BaseDN  found 1 groups in basedn
  AD LDAP server probe complete.
Verification successful
Configuring...
  Initialize LDAP naming services for AD...
  Initializing LDAP naming services for AD...
    Initialize svc:/network/ldap/client...
    Initialize svc:/system/name-service/switch...
    Initialize svc:/system/name-service/cache...
```

```

Refresh configured services...
Refresh svccfg command: /usr/sbin/svccfg -s svc:/network/ldap/
client:default refresh
Refresh svccfg command: /usr/sbin/svccfg -s svc:/system/name-service/
cache:default refresh
Refresh svccfg command: /usr/sbin/svccfg -s svc:/system/name-service/
switch:default refresh

```

How to Unconfigure the LDAP Service in an Active Directory and LDAP Configuration

1. Unconfigure the LDAP service in an Active Directory (AD) and LDAP configuration.

```
# nscfg adldap -u
```

This command unconfigures the LDAP service, removes the `ldap` entry from the name switch service (`svc:/system/name-service/switch:default`), and reverts all name services databases to files-only mode, except for the `host` database.

The following example command performs the unconfiguration process and the `-v` option outputs the process steps:

```

# nscfg adldap -u -v
Unconfigure LDAP naming services for AD...
Unconfigure LDAP naming services for AD...
Reset svc:/network/ldap/client...
Reset svc:/system/name-service/switch...
Reset svc:/system/name-service/cache...
Refresh naming services...
Refresh: svc:/network/ldap/client
Refresh svccfg command: /usr/sbin/svccfg -s svc:/network/ldap/
client:default refresh
Refresh: svc:/system/name-service/switch
Refresh svccfg command: /usr/sbin/svccfg -s svc:/system/name-service/
switch:default refresh

```

Oracle Solaris 11.4 Network File Sharing Cheatsheet

This book has not been updated since August 2018.

Troubleshooting Network Administration Issues in Oracle Solaris 11.4

This book has not been updated since November 2020.

7

Managing Data and Storage in Oracle Solaris

This chapter provides documentation updates for books in the [Managing Data and Storage in Oracle Solaris](#) section of the [Oracle Solaris 11.4 Documentation Library](#).

This chapter includes documentation updates for the following Oracle Solaris 11.4 books:

- [Managing Devices in Oracle Solaris 11.4](#)
- [Managing File Systems in Oracle Solaris 11.4](#)
- [Managing SAN Devices and I/O Multipathing in Oracle Solaris 11.4](#)
- [Oracle Solaris I/O Multipathing and Storage Device Administration Cheatsheet](#)

Managing Devices in Oracle Solaris 11.4

This book has not been updated since November 2020.

Managing File Systems in Oracle Solaris 11.4

This book has not been updated since November 2020.

Managing SAN Devices and I/O Multipathing in Oracle Solaris 11.4

This book has not been updated since November 2020.

Oracle Solaris I/O Multipathing and Storage Device Administration Cheatsheet

This book has not been updated since August 2018.

8

Monitoring and Tuning Oracle Solaris

This chapter provides documentation updates for books in the [Monitoring and Tuning Oracle Solaris](#) section of the [Oracle Solaris 11.4 Documentation Library](#).

This chapter includes documentation updates for the following Oracle Solaris 11.4 books:

- [Managing Faults, Defects, and Alerts in Oracle Solaris 11.4](#)

Managing Faults, Defects, and Alerts in Oracle Solaris 11.4

This book has not been updated since November 2020.

9

Creating and Using Oracle Solaris Virtualization Environments

This chapter provides documentation updates for books in the [Creating and Using Oracle Solaris Virtualization Environments](#) section of the [Oracle Solaris 11.4 Documentation Library](#).

This chapter includes documentation updates for the following Oracle Solaris 11.4 books:

- [Introduction to Oracle Solaris Zones](#)
- [Creating and Using Oracle Solaris 10 Zones](#)
- [Oracle Solaris Zones Configuration Resources](#)
- [Administering Resource Management in Oracle Solaris 11.4](#)
- [Resource Management and Oracle Solaris Zones Developer's Guide](#)

Introduction to Oracle Solaris Zones

This book has not been updated since November 2020.

Creating and Using Oracle Solaris 10 Zones

This book has not been updated since November 2020.

Oracle Solaris Zones Configuration Resources

This section includes the following documentation updates for *Oracle Solaris Zones Configuration Resources*:

- [Update `capped-memory` Resource Type Behavior for Kernel Zone Support](#)

Update `capped-memory` Resource Type Behavior for Kernel Zone Support

Replace the information in the Kernel Zone Support column of the `capped-memory` resource type entry with the following content:

Yes, with exceptions.

No support for `pagesize-policy`, `memory-reserve`, and `pagesize`.

Administering Resource Management in Oracle Solaris 11.4

This book has not been updated since February 2021.

Resource Management and Oracle Solaris Zones Developer's Guide

This book has not been updated since February 2021.

10

Securing the Oracle Solaris Operating System

This chapter provides documentation updates for books in the [Securing the Oracle Solaris Operating System](#) section of the [Oracle Solaris 11.4 Documentation Library](#).

This chapter includes documentation updates for the following Oracle Solaris 11.4 books:

- [Security: An Oracle Solaris Differentiator](#)
- [Securing the Network in Oracle Solaris 11.4](#)
- [Securing Files and Verifying File Integrity in Oracle Solaris 11.4](#)
- [Securing Users and Processes in Oracle Solaris 11.4](#)
- [Managing Authentication in Oracle Solaris 11.4](#)
- [Managing Secure Shell Access in Oracle Solaris 11.4](#)
- [Managing Kerberos in Oracle Solaris 11.4](#)
- [Managing Auditing in Oracle Solaris 11.4](#)
- [Trusted Extensions Configuration and Administration](#)
- [Trusted Extensions Label Administration](#)
- [Trusted Extensions Developer's Guide](#)
- [Compartmented Mode Workstation Labeling: Encodings Format](#)

Security: An Oracle Solaris Differentiator

This book has not been updated since November 2020.

Securing the Network in Oracle Solaris 11.4

This book has not been updated since May 2021.

Securing Files and Verifying File Integrity in Oracle Solaris 11.4

This book has not been updated since November 2020.

Securing Users and Processes in Oracle Solaris 11.4

This section includes the following documentation updates for *Securing Users and Processes in Oracle Solaris 11.4*:

- [Make Corrections to `svccfg setprop` Command Lines That Set Boolean Values](#)

Make Corrections to `svccfg setprop` Command Lines That Set Boolean Values

Several `svccfg setprop` examples incorrectly show how to specify a property that has a Boolean value. To correct these examples, change instances of `boolean` to `boolean: false`.

- Update the `svccfg setprop` command in the Adding a Rights Profile to Every Login example of the Modifying Password Policy section as follows:

```
$ pfbash svccfg -s account-policy
svc:/.../account-policy> setprop config/etc_default_passwd/disabled =
boolean: false
svc:/.../account-policy> setprop password/complexity/passlength = 13
svc:/.../account-policy> exit
```

- Update the `svccfg setprop` command in the Modifying System-Wide Privileges, Authorizations, and Rights Profiles section as follows:

```
$ pfbash svccfg -s account-policy
svc:/.../account-policy> setprop config/etc_security_policyconf/disabled =
boolean: false
svc:/.../account-policy> setprop rbac/console_user_profiles astring = ""
svc:/.../account-policy> setprop rbac/default_profiles astring = "Site
Console User, Basic Solaris User"
svc:/.../account-policy> exit
```

- Update the `svccfg setprop` command in the Modifying Which Privileges Are Available on a System section as follows:

```
$ pfbash svccfg -s account-policy
svc:/.../account-policy> setprop config/etc_security_policyconf/disabled =
boolean: false
svc:/.../account-policy> setprop rbac/default_privileges = "basic,!
file_link_any"
svc:/.../account-policy> exit
```

- Update the `svccfg setprop` command in the Assigning a Rights Profile to a System section as follows:

```
$ pfbash svccfg -s account-policy
svc:/.../account-policy> setprop config/etc_security_policyconf/disabled =
boolean: false
svc:/.../account-policy> setprop rbac/default_profiles = "Example Rights
Profile"
svc:/.../account-policy> exit
```

- Update the `svccfg setprop` command in the Assigning the Editor Restrictions Rights Profile to All Logins example of the Assigning a Rights Profile to a System section as follows:

```
$ pfbash svccfg -s account-policy
svc:/.../account-policy> setprop config/etc_security_policyconf/disabled =
boolean: false
svc:/.../account-policy> setprop rbac/default_profiles = "Editor
Restrictions"
svc:/.../account-policy> exit
```

- Update the `svccfg setprop` command in the Enabling Only the Console User to Log In example of the Assigning a Rights Profile to a System section as follows:

```
$ pfbash svccfg -s account-policy
svc:/.../account-policy> setprop config/etc_security_policyconf/disabled =
boolean: false
svc:/.../account-policy> setprop rbac/default_authorizations = ""
svc:/.../account-policy> setprop rbac/default_profiles = ""
svc:/.../account-policy> exit
```

Managing Authentication in Oracle Solaris 11.4

This section includes the following documentation updates for *Managing Authentication in Oracle Solaris 11.4*:

- [Restricting Console Access Task Might Fail](#)
- [Broken link in Using One-Time Passwords for Multifactor Authentication Section](#)

Restricting Console Access Task Might Fail

The How to Restrict Who Can Log In to the Console task might not successfully restrict console access because of the order of lines in the `/etc/pam.d/login` file.

Step 1b incorrectly shows that the `pam_list` line appears after the `pam_user_policy` line.

Replace Step 1b in the task with the following content:

b. Add the following entries:

```
## Account management for login(1) incorporates pam_list(7)
##
## To restrict which users and netgroups are allowed to log in to
## the console, add these lines below and add those users and
## netgroups to the /etc/users.allow configuration file.
##
account requisite pam_roles.so.1
account required pam_list.so.1 allow=/etc/users.allow
account definitive pam_user_policy.so.1
account required pam_unix_account.so.1
account required pam_tsol_account.so.1
```

Broken link in Using One-Time Passwords for Multifactor Authentication Section

The Using One-Time Passwords for Multifactor Authentication chapter has a broken link to [c0t0d0s0.org](#) blog entry about one-time passwords.

Replace the first paragraph in the chapter with the following content:

This chapter provides information about how to configure Oracle Solaris to require selected users to use the one-time password (OTP) from their mobile authenticator when logging in to an Oracle Solaris system. For an informal introduction to multifactor authentication, see the [Only One Time](#) [c0t0d0s0.org](#) blog entry.

Managing Secure Shell Access in Oracle Solaris 11.4

This section includes the following documentation updates for *Managing Secure Shell Access in Oracle Solaris 11.4*:

- [ARC4 Removed From OpenSSL \(22628336\)](#)

ARC4 Removed From OpenSSL

The [FIPS 140-2 Approved Algorithms for OpenSSH](#) section requires updates to reflect that the ARC4 algorithm has been removed from OpenSSH.

As a result, remove the following content from this section:

Attempts to use non-approved algorithms fail, as shown in this example:

```
jdoc:~$ ssh -c arcfour somehost
Unknown cipher type 'arcfour'
```

Managing Kerberos in Oracle Solaris 11.4

This book has not been updated since November 2020.

Managing Auditing in Oracle Solaris 11.4

This book has not been updated since November 2020.

Trusted Extensions Configuration and Administration

This book has not been updated since November 2020.

Trusted Extensions Label Administration

This book has not been updated since August 2018.

Trusted Extensions Developer's Guide

This book has not been updated since November 2020.

Compartmented Mode Workstation Labeling: Encodings Format

This book has not been updated since October 2017.

11

Developing Applications For Use With Oracle Solaris

This chapter provides documentation updates for books in the [Developing Applications For Use With Oracle Solaris](#) section of the [Oracle Solaris 11.4 Documentation Library](#).

This chapter includes documentation updates for the following Oracle Solaris 11.4 books:

- [Developer's Guide for Migrating to Oracle Solaris 11.4](#)
- [Oracle Solaris 64-bit Developer's Guide](#)
- [Developer's Guide to Oracle Solaris 11.4 Security](#)
- [Developing System Services in Oracle Solaris 11.4](#)
- [Packaging and Delivering Software With the Image Packaging System in Oracle Solaris 11.4](#)
- [Internationalizing and Localizing Applications in Oracle Solaris](#)
- [Remote Administration Daemon Module Developer's Guide](#)
- [Remote Administration Daemon Client User's Guide](#)
- [Memory and Thread Placement Optimization Developer's Guide](#)
- [Multithreaded Programming Guide](#)
- [ONC+ RPC Developer's Guide](#)
- [STREAMS Programming Guide](#)
- [Writing Device Drivers in Oracle Solaris 11.4](#)
- [Device Driver Tutorial](#)
- [SPARC Assembly Language Reference Manual](#)
- [x86 Assembly Language Reference Manual](#)

Developer's Guide for Migrating to Oracle Solaris 11.4

This book has not been updated since November 2020.

Oracle Solaris 64-bit Developer's Guide

This book has not been updated since November 2020.

Developer's Guide to Oracle Solaris 11.4 Security

This section includes the following documentation updates for *Developer's Guide to Oracle Solaris 11.4 Security*:

- [ARC4 Removed From OpenSSL \(22628336\)](#)

ARC4 Removed From OpenSSL

The [PKCS #11 Functions: C_GetMechanismList\(\)](#) section requires updates to reflect that the ARC4 algorithm has been removed from OpenSSL.

As a result, remove the following items from the list of supported mechanisms:

- CKM_PBE_SHA1_RC4_128
- CKM_RC4
- CKM_RC4_KEY_GEN

Developing System Services in Oracle Solaris 11.4

This book has not been updated since November 2020.

Packaging and Delivering Software With the Image Packaging System in Oracle Solaris 11.4

This book has not been updated since November 2020.

Internationalizing and Localizing Applications in Oracle Solaris

This book has not been updated since November 2020.

Memory and Thread Placement Optimization Developer's Guide

This book has not been updated since November 2020.

Multithreaded Programming Guide

This book has not been updated since November 2020.

ONC+ RPC Developer's Guide

This book has not been updated since November 2020.

STREAMS Programming Guide

This book has not been updated since November 2020.

Writing Device Drivers in Oracle Solaris 11.4

This book has not been updated since November 2020.

Device Driver Tutorial

This book has not been updated since May 2020.

SPARC Assembly Language Reference Manual

This book has not been updated since November 2020.

x86 Assembly Language Reference Manual

This book has not been updated since November 2020.

12

Working With the Oracle Solaris Desktop

This chapter provides documentation updates for books in the [Working With the Oracle Solaris Desktop](#) section of the [Oracle Solaris 11.4 Documentation Library](#).

This chapter includes documentation updates for the following Oracle Solaris 11.4 books:

- [Oracle Solaris 11.4 Desktop Accessibility Guide](#)
- [Oracle Solaris 11.4 Desktop](#)

Oracle Solaris 11.4 Desktop Accessibility Guide

This book has not been updated since August 2018.

Oracle Solaris 11.4 Desktop

This book has not been updated since November 2021.