Oracle® Explorer Data Collector

User's Guide

Release 6.10 for Oracle Solaris

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Oracle Explorer Data Collector User's Guide, Release 6.10 for Oracle Solaris

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Preface

The Oracle Explorer Data Collector is a collection of shell scripts and a few binary executable that gathers information and creates a detailed snapshot of a system's configuration and state.

Explorer output enables Oracle's engineers to perform assessments of the system by applying the output against knowledge-based rules engine.

Audience

The Oracle Explorer Data Collector Can be used by Oracle and Oracle's customers to identify and solve problems. It can be used reactively to expedite problem diagnosis and resolution. It can be use proactively to prevent future problems. This user guide contains description of the product and its modules, installation information, and provides command definitions.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at
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Access to Oracle Support

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http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit
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Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

What's New

This section provides information about the changes made in Oracle Explorer Data Collector Release 6.10, including a description of the new features, a description of the modified features, and a list of the defects and requests for enhancement (RFEs) implemented in the tool.

Note: Oracle Explorer Data Collector includes some third-party redistributable software. Please read the third-party license readme to learn about the terms and conditions under which this software is included and is available for use.

For installation and download information, see "Oracle Explorer Data Collector Installation" on page 1-1.

Oracle Explorer Data Collector Notices

The following notices apply to Oracle Explorer Data Collector Release 6.10:

1. *Solaris 8 and 9 Operating System (Solaris OS) patch requirements*. On Sun Fire 15K platforms, you must apply the following patches to run the `fru` script:
   - Solaris 8 OS, at least patch 110460-23 or 108528-29
   - Solaris 9 OS, at least patch 112959-01
2. *Oracle Explorer and shared storage:* Running Oracle Explorer and RAID Manager (RM) diagnostic commands simultaneously can cause controllers to go offline. Furthermore, running Oracle Explorer, `healthck`, `drivutil`, or other diagnostic commands simultaneously on host servers that share Oracle StorEdge A1000, A3x00, or A3500FC storage devices can cause data corruption.

   You can collect information from shared disk storage without causing a problem by running Oracle Explorer from only one server host. Alternatively, you can run Oracle Explorer from more than one host server as long as you run Oracle Explorer from each host server at staggered times.

   To configure Oracle Explorer data collection from multiple host servers at staggered times, run the following command on each server and then, when prompted, enter different values for the time when Oracle Explorer should run:
   `explorer -g`

   A third option is to not include Oracle Explorer storage modules when you run Oracle Explorer on servers that share disks. To exclude storage modules from one of the host servers, run Oracle Explorer with the `-w` command-line option in one of the following ways:

- For `sh` or `ksh`: **`-w !storage`**
- For `csh` or `bash`: **`-w \!storage`**

3. *Use of SSH with the Oracle Explorer* `scextended` *module.* Before you can collect information from a Sun Fire midframe system controller, you must manually accept the SSH host key from the system controller. To accept the SSH host key, use SSH to login to the system controller (as superuser) from the system that is collecting data.
4. *Space characters in passwords*. Any space characters are supported in interactive mode for most modules collecting data from external systems (exceptions: `ipmiextended`, `ilomextended`). For automated collection using *input.txt files, space characters can be used in the middle of passwords for most modules (exceptions: sanextended, b1600extended, b1600switch). Leading/trailing spaces in passwords are not supported in any *input.txt files.

New and Modified Features for Release 6.10

For some of the Explorer modules Explorer uses the Remote Diagnostic Agent (RDA). So, to collect all Explorer information it is mandatory to install RDA. Note that the Services Tool Bunlde (STB) bundles the installation of RDA and Explorer.

The following are some of the new features available in Oracle Explorer Data Collector Release 6.10:

- The following Oracle Explorer modules were improved:
  - etc
  - fma
  - ilomextended
  - ipmi
  - ipmiextended
  - lp
  - messages
  - netinfo
  - servicetags
  - sysconfig
  - syslogs
  - Tx000
  - var
- The environment variable `EXP_TMP` can be set to change the location of the secure `/tmp` directory (`/opt/SUNWexplo/tmp` by default).

Bugs and Enhancement Requests for Oracle Explorer Release 6.10

The following bugs and requests for enhancement (RFEs) are implemented in Oracle Explorer Data Collector Release 6.10:

Bug/RFE ID	Description
Oracle Bug 12531610	BS6988737: Rainbow Falls Systems Cannot Collect Any ILOM Data
Oracle Bug 13035206	Explorer on T3 Cannot Find IPMITool
Oracle Bug 13387722	Update Explorer PDF Documentation with SCTP Information
Oracle Bug 13485897	Show Version and Change "Sun" to "Oracle"
Oracle Bug 13517787	Explorer `FMASTAT-A-M` and `FMSTAT-S-M` Modules CMD Regression Fails V6.7, 6.8, & 6.9
Oracle Bug 13580252	Add Collection for "ILOMCONFIG LIST SYSTEM-SUMMARY" in IPMI Modules
Oracle Bug 13590333	Explorer Should Capture Multicast Group Memberships (`netstat -gn`)
Oracle Bug 13593362	Hard Coded `EXP_SECURE_TMP` Breaks Shared Explorer Configs
Oracle Bug 13600417	Option TX000 Caused Explorer to Prompt for Wrong Info (SR 3-5144569761)
Oracle Bug 13703341	Explorer No Longer Captures CUPS Configuration and Log Information

1

Oracle Explorer Data Collector Installation

The Oracle Explorer Data Collector is a collection of shell scripts and a few binary executable that gathers information and creates a detailed snapshot of a system's configuration and state.

Explorer output enables Oracle's engineers to perform assessments of the system by applying the output against knowledge-based rules engine.

Note: The Oracle Explorer Data Collector is supported on Oracle Solaris Releases 8, 9, 10, 11 Express, and 11.

Oracle Explorer and the Oracle Service Tools Bundle

The Oracle Services Tools Bundle (STB) groups several diagnostic software packages:

- Oracle Explorer Data Collector
- Oracle Remote Diagnostic Agent (RDA)
- Oracle Serial Number in EEPROM (SNEEP)
- Oracle Autonomous Crashdump Tool (ACT)
- Oracle Lightweight Availability Data Collector Tools (LWACT)
- Service Tag packages (ST)
- XML packages

The supported way to install Oracle Explorer Data Collector is via the Oracle Services Tools Bundle because Oracle Explorer relies on the presence of the other software packages on the system.

Packages, which are installed via STB, depend on the architecture and operating system on which you install.

Localzone Installation

Beginning with Oracle Solaris 10, local zones are now supported. However, Oracle Explorer, ACT, and RDA can only be installed in the global zone. Other packages (such as LWACT and SNEEP) can be installed in localzones.

Packaging Format on Solaris 8, 9, and 10

The software packages on Solaris 8, 9, and 10 are delivered in the traditional SVR4 format. Examples are the SUNWexplo, the SUNWrda, and the SUNWsneep packages.

Solaris 11 Packaging Format

On Solaris 11 and Solaris 11 Express systems software is packaged with the Solaris Image Packaging System (IPS). On Solaris 11, two IPS packages are delivered:

- The Oracle ACT package, which contains the ACT software.
- The SNEEP package, which contains the SNEEP software.

> **Note:** RDA and Explorer will be delivered in SVR4 format (`SUNWrda`, `SUNWexplo`, and `SUNWexplu` packages).

The leading parts of the Fault Management Resource Identifier (FMRI) of both IPS packages are:

- `pkg://solaris/support/act` for the ACT IPS package.
- `pkg://solaris/support/sneep` for the SNEEP IPS package.

Download Oracle Explorer Data Collector

The Oracle Explorer Data Collector is distributed as part of the Services Tools Bundle (STB) and is made available for download as a My Oracle Support patch. Because the Oracle Explorer Data Collector uses the Remote Diagnostic Agent (RDA) tool to collect part of its information and because RDA is part of the STB, it is highly advised to install the entire STB bundle.

First, please read the "Oracle Explorer Data Collector Third-Party License Agreement" on page 5-1, which explains the terms and conditions under which the third-party software that is included in Oracle Explorer is available for use.

To download the latest Services Tools Bundle:

1. Log in to My Oracle Support (`https://support.oracle.com`).
2. Click the Patches & Updates tab.
3. In the Patch Search pane, click the Product or Family (Advanced Search) link.
4. In the Product drop-down menu, select Services Tools Bundle. Then in the Release drop-down, select the latest available version of the Services Tools Bundle.
5. Click **Search**.

The Patch Name will appear in a search results list with the Patch ID number for downloading the Services Tools Bundle. Click this Patch ID for a description of the patch and select the download option you prefer.

It is highly recommended that you always install the entire Services Tools Bundle. There is a possibility to extract the individual packages from the Services Tool bundle and install from the extract location. See Extracting Individual Packages for more information.

Oracle Explorer Directories

Oracle Explorer uses the following directories:

- A software directory where the Explorer software is located (which is by default `/opt/SUNWexplo`).

- An output directory, which Explorer uses to store its collection output. The default directory is `/opt/SUNWexplo/output`. The default location can be changed with the `-t` option.
- A lock directory for which Explorer uses (`/opt/SUNWexplo/tmp` by default). The location can be influenced by setting the `EXP_TMP` environment variable.
- Explorer uses a configuration directory for its input files and its defaults file. The default location is `/etc/opt/SUNWexplo`. The location of the defaults file can be influenced by the `-d` command line option and for many input files a similar command line option exists. Check the man pages for details..

Oracle Explorer Data Collector Installation Options

Depending on your software installation preferences, you have several options for installing the Oracle Explorer Data Collector.

Using the `STB_INST_PATH` Environment Variable

To install the software packages, the `install_stb.sh` installation script will extract the software archive. By default, it uses the `/tmp/STBinstall` directory. You can specify a directory by setting (as root) the `STB_INST_PATH` environment variable in your `.cshrc` file to a directory. If you use this variable, the `$STB_INST_PATH/tmp/STBinstall` directory will be used.

> **Note:** The extracted software archive will be deleted after the `install_stb.sh` installation script runs. If you set the environment variable `STB_INST_KEEP` to **1**, then the extracted archive will not be deleted.

Install Through Oracle Services Tools Bundle for Sun Systems

The downloaded Services Tools Bundle is a self-extracting installer bundle by which Oracle Explorer Data Collector can be installed directly or can be extracted. To install the tool:

1. Log in as root.
2. Make sure the install script is executable:

   ```
   chmod +x install_stb.sh
   ```

3. Run `./install_stb.sh -verbose`

You will be asked to choose between **I**(install), **X**(extract), or **E**(exit). Choose the **I**(install) option.

- For Solaris 11 systems:

  The installation script will install the SNEEP IPS (`pkg://solaris/support/sneep`) package and the ACT IPS packages (`pkg://solaris/support/act`) on your system. On top of that, RDA and Explorer will be installed as traditional SVR4 packages. The installation of the IPS packages will be done by using the file-based IPS repository in the `install_stb.sh` and running the `pkg install <package>` command. The IPS packaging system will take care to update older versions of the IPS packages on the system.

- For Solaris 8, 9, and 10 systems:

The installation script will check the versions of the existing packages on the system. Older versions will be removed first, and then the `install_stb.sh` script will install the new version.

Command Line Interface Options of the Oracle STB Installer

The following command options are available to the Oracle STB installation script:

```
install_stb.sh -version
install_stb.sh -help
install_stb.sh -runmode manual [-force] [-trace] [-verbose]
install_stb.sh -runmode auto [-force] [-trace] [-verbose]
install_stb.sh -runmode auto -ext [architecture,version] [-trace] [-verbose]
install_stb.sh -verbose
install_stb.sh -trace
```

Where:

- `-runmode manual` runs STB in manual mode (default)
- `-runmode auto` installs packages in auto/non-interactive mode
- `-runmode auto -ext` extracts packages for the current or the specified architecture and operating system version combination (for example, Solaris 9 on SPARC or Solaris 11 on x86)
- `-verbose` will make the STB installer more verbose. This option is highly recommended.
- `-trace` will run the STB installer, which is a shell script, in trace mode. This option is mainly used for debugging puposes.

Notes:

- When installing STB, STB will install/upgrade all packages.
- When you specify the `-force` option, STB will uninstall the currently installed packages and install the bundled versions.

Extracting Individual Packages

To extract individual packages from the Oracle STB software bundle:

1. Log in as root.
2. Make sure the install script is executable:

   ```
   chmod +x install_stb.sh
   ```

3. Run `./install_stb.sh -verbose`
4. Choose **X**(extract) and the packages specific for the architecture and the OS version.

   By default the `/var/tmp/stb/extract` directory will be used but you can use the `STB_EXT_PATH` environment variable to change this destination. In this case, the software will be extracted to the `$STB_EXT_PATH/stb/extract` directory.

   - For Solaris 11 systems:
     - A file-based IPS repository will be extracted, which contains the SNEEP and the ACT IPS packages.

  - The RDA and Explorer packages (SUNWrda, SUNWexplo, SUNWexplu) will be extracted as well as any other SVR4 package, needed on a Solaris 11 system.

- For Solaris 8, 9, and 10 systems:

  SVR4 package streams will be extracted. For example, you will find /var/tmp/stb/extract/Explorer/SUNWrda.4.27.pkg (RDA is considered as part of the Explorer distribution).

When using the command-line options, it is possible to specify an alternative extraction platform. For example, you can extract the SVR4 package streams for a SPARC Solaris 10 system on a Solaris 11 system.

Install with Limited Interaction

To install Oracle Explorer Data Collector with limited interaction, modify the Oracle Explorer defaults settings on host_A and then run the explorer -g -d command to use the settings from host_A when installing on other hosts (such as host_B). If host_B has an existing defaults file, Oracle Explorer Data Collector uses the defined values whenever possible. If host_B does not have a defaults file, the tools uses the host_A defaults file settings.

This procedure updates the modification date and EXP_DEF_VERSION variable, and replaces ${EXP_HOME} with /opt/SUNWexplo in the EXP_LIB variable.

Note: The EXP_PLATFORM_NAME_$hostid, EXP_SERIAL_$hostid, and EXP_ZONES settings are not saved in the defaults file. If you use those settings, run the Oracle Explorer Data Collector installation on each system.

To install Oracle Explorer Data Collector using limited interaction:

1. Install Oracle Explorer on host_A using the pkgadd command.
2. Run the explorer -g command on host_A to accept the license and update or create the defaults file.
3. Save the defaults file.

   The file must be located in the directory that other hosts are able to access.
4. Install the new Oracle Explorer release on another system (host_B).
5. Run the explorer -g -d command file on host_B.

   The -d file option specifies the defaults file saved in Step 3.

   The defaults file for host_B is /etc/opt/SUNWexplo/default/explorer. If there is already an Oracle Explorer defaults file on host_B, then the tool will try to use the existing values on host_B. Otherwise, the values are the same as for host_A. The values for EXP_PLATFORM_NAME_$hostid, EXP_SERIAL_$hostid, and EXP_ZONES in the defaults file are **null**.

Install to a Non-Default Directory

This procedure describes installing SUNWexplo into a non-default directory. The command option is pkgadd -a admin. A template of the admin file is in the Oracle Explorer Data Collector release package.

1. Extract all the packages in the STB install bundle (See Extracting Individual Packages).
2. You will find the `SUNWexplo`, `SUNWexplu`, and `SUNWrda` packages in the Explorer subdirectory of the extraction directory (by default in `/var/tmp/stb/extract/Explorer`).
3. To install the packages you need a changed admin file. You can take a copy of the admin file from one of the package streams as follows:

   ```
   cd  /var/tmp/stb/extract/Explorer
   pkgtrans SUNWexplo.6.10.pkg . SUNWexplo
   cp SUNWexplo/install/exp_admin /tmp
   ```

4. Change the value of `basedir` in the `/tmp/exp_admin` file to the desired installation directory.
5. To install Explorer in a non-default directory, run:

   ```
   pkgadd -a /tmp/exp_admin -d SUNWexplo.6.10.pkg SUNWexplo
   ```

   As a result, the Explorer software will be installed in the indicated base directory instead of in the `/opt` directory.

   Note: The installation of RDA in a non-default directory is similar.

Indicating the Location of RDA to Explorer

Oracle Explorer uses the packaging information to know where RDA is installed. However, if RDA is installed via another means other than normal packaging, then you have to use the RDA input file to indicate where RDA resides.

Add `RDA_HOME=<`*location of RDA*`>` to the `rdainput.txt` file in the config location.

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Using Oracle Explorer Data Collector

This chapter provides details for using Oracle Explorer Data Collector and how to submit output files to Oracle Support.

Using Oracle Explorer Data Collector from an Alternate Path

Follow the procedure below to install and use Oracle Explorer Data Collector from an alternate path after you have downloaded the latest installer (see "Download Oracle Explorer Data Collector" on page 1-2):

1. Complete steps 1 through 7 in "Extracting Individual Packages" on page 1-4.

   Note: The Remote Diagnostic Agent (RDA) needs to be installed, too, in order for Oracle Explorer to be able to collect all information.

2. As superuser, install Explorer. Run:

   ```
   pkgadd -R <alternate root> -d . SUNWexplo SUNWexplu
   ```

3. Create default configuration file for alternate root instance as `<alternate root>/etc/opt/SUNWexplo/default/explorer` running `<alternate root>/opt/SUNWexplo/bin/explorer -g`

4. To run Explorer from alternate path, use the **`-d`** option to locate the alternate default configuration file:

   ```
   <alternate root>opt/SUNWexplo/bin/explorer -d <alternate
   root>/etc/opt/SUNWexplo/default/explorer
   ```

Run Oracle Explorer Data Collector with NFS

Installing Oracle Explorer on multiple servers can be a time-consuming task. To reduce the installation time, install Oracle Explorer on one system and then use `NFS mount` to share the install directory with other systems.

1. Create an Oracle Explorer Data Collector defaults file for the NFS client by performing the following substeps on the NFS server with the tool installed:

   Note: Most values in the NFS server's Oracle Explorer Data Collector defaults file are valid for all servers in the environment.

   a. Record the NFS client's host name and host ID.

b. Become superuser.

c. Go to the Oracle Explorer default directory.

```
cd /etc/opt/SUNWexplo/default
```

d. Copy and rename the defaults file to associate it with the host (for example, `explorer.`*hostname*).

```
cp explorer nfs_dir/explorer.hostname
```

e. Edit the new `explorer.hostname` file to reset the following variable (where *hostid* is the client's hostid):

```
EXP_SERIAL_$hostid="Client's serial number"
```

2. Reference the client's Oracle Explorer Data Collector defaults file.

Note: When using the `explorer` command on an NFS client, you must specify the Oracle Explorer Data Collector defaults file as input, and you must specify the output directory location. If you do not specify the client's Oracle Explorer defaults file, the NFS server's defaults file is used. If you do not specify the output directory location, an attempt is made to write the output to the NFS server's `explorer_install_dir/output` directory. The NFS mounted file system might not allow writing over the NFS mount.

Use the following Oracle Explorer options:

- Specify the defaults file with `-d` *`nfs_client_accessible_dir`*`/explorer.host-name`
- Specify the directory in which to write the output with `-t /var/tmp` (which is a local writable directory)

---

3. Direct output to a local, writable directory by performing the following substeps on the NFS client:

a. Become superuser.

b. Mount the *`explorer_install_dir`* directory from the NFS server

c. Change directories into the mount point.

d. Execute the following command to send output to the client's `/var/tmp/output` directory:

```
# explorer -d nfs_dir/explorer.hostname -t /var/tmp
```

4. Do the following to schedule Oracle Explorer Data collector to run on an NFS client using `cron`:

a. Verify that the NFS server is available.

b. Verify that the *`explorer_install_dir`* directory is mounted on the NFS server.

c. Do not send messages to standard output or to standard error.

d. Redirect to specific files or `/dev/null`

Use FTP to Submit Oracle Explorer Data Collector Files

This section describes the procedure to manually submit a Oracle Explorer output file to the Oracle Explorer database (ConfigDB).

AMER and APAC Submissions

1. Open a terminal window and type: `ftp supportfiles.sun.com`
2. Type the following user name and password to log in:

   Username: `anonymous`
   Password: *your_email_address*
3. Type the following commands at the `ftp` prompt:

```
ftp> cd /explorer
ftp> bin
ftp> hash
ftp> put explorer.filename
```

Note: The title `explorer.`*`filename`* is the name of the file to upload. Use `explorer` as the file name prefix.

For example:
`explorer.80a711xy.abcdf-2002.04.01.12.40-tar.gz`

EMEA Submissions

1. Open a terminal window and type: `ftp sunsolve.sun.co.uk`
2. Type the following user name and password to log in:

   Username: `anonymous`
   Password: *your_email_address*
3. Type the following commands at the `ftp` prompt:

```
ftp> cd cores/uk/incoming
ftp> bin
ftp> hash
ftp> put explorer.filename
```

Note: The title `explorer.`*`filename`* is the name of the file to upload. Use `explorer` as the file name prefix.

For example:
`explorer.80a711xy.abcdf-2002.04.01.12.40-tar.gz`

Use HTTP/HTTPS to Submit Oracle Explorer Data Collector Files

This section describes the procedure to manually submit an Oracle Explorer Data Collector output file to the database (ConfigDB).

For HTTP, the upload link is: `http://supportfiles.sun.com/upload`

For HTTPS, the upload link is: `https://supportfiles.sun.com/upload`

Oracle Explorer Data Collector files need to be uploaded to the following destinations for automatic submission to the correct configdb.

- AMER - explorer-amer
- APAC - explorer-apac
- EMEA - explorer-emea

Run Explorer for Different Modules/Groups

Explorer can be run for the following modules/groups:

- `explorer -w all`

  Runs all modules.

- `explorer -w all,interactive`

  If the modules tagged to the group **all** require user interaction, the user is prompted for input.

- `explorer -w default`

  Runs modules tagged to **default**

- `explorer -w default,interactive`

  Runs modules tagged to **default** group. If the modules tagged to the group **default** require user interaction, the user is prompted for input.

- `explorer -w extended`

  Runs modules tagged to **extended** group.

- `explorer -w extended, interactive`

  Runs all modules tagged to **extended** group using interactive mode if the corresponding `*input.txt` file is not populated.

- `explorer -w <module name>`

  If the **<module name>** requires user interaction, it runs in interactive mode.

- `explorer -w default,<module name>`

  Modules tagged under the group **default** and **module_name** are executed. Even if the modules tagged under the group default require user interaction, the user is NOT prompted for input. If the **module_name** requires user input (the corresponding configuration file `*input.txt` is not populated with relevant information), the user is prompted for input; if the **module_name** does not require user input, it is executed if hardware compatibility is met.

Troubleshooting Explorer

This section addresses known issues and workaround solutions for the Oracle Explorer Data Collector.

ACT Truncated Output

Oracle Explorer Data Collector Release 6.6 may truncate the ACT output on certain Solaris 10 systems that has ACT versions between 8 and 8.14 installed. This truncation is done to avoid file system overflow described in ACT bug 6897128.

Work around: Download and install the latest version of ACT into the system.

Running Oracle Explorer Data Collector in the Background

If you attempt to run Oracle Explorer Data Collector as a background process in a terminal without `-SR`, `-esc`, or `-case` options, then the tool may wait for you to input (on Explorer type) at the background. In such cases, the tool will not complete its execution and will wait on your input.

Work around: You may note a `stopped` message on the terminal indicating the suspended process at the background. You will need to bring the suspended process to foreground and then provide the appropriate response to all the Oracle Explorer Data Collector to continue its run.

IPS Actions, Triggered by STB Installation (Solaris 11)

For systems running Solaris 11, most installation tasks are done through the Image Packaging System (IPS). The steps taken for IPS are:

- Publish the file-based IPS repository, extracted from install_stb.sh. Run:

  ```
  pkg set-publisher -g <ips repository> solaris
  ```

- For software that is in IPS format, the installer will launch:

  ```
  ips install <software>
  ```

- When all the software is installed, the file-based repository is unpublished with:

  ```
  pkg set-publisher -G <ips-repository> solaris
  ```

> **Note:** The individual IPS actions can take time, which might give the impression that the STB installer on Solaris 11 is slow or even hanging.

Failing IPS Actions during an STB Install

In some cases, you may get errors such as:

- STB-02004: Cannot publish the IPS repository
- STB-02023: IPS installation of support/sneep failed
- STB-02023: IPS installation of support/act failed
- STB-02013: Cannot unpublish the IPS repository

If you get such an error message, the most likely cause is that there is an active IPS repository on the system, which can no longer be reached. To list the active IPS repositories, run:

```
# pkg publisher
```

Output should look like:

```
PUBLISHER             TYPE     STATUS   URI
solaris               origin   online   file:///var/tmp/stb/extract/ipsrepo/
```

In this case, we see a file based IPS repository point to `/var/tmp/stb/extract/ipsrepo`. If someone has removed this file, the IPS actions, triggered by the STB installation, will all fail.

A similar case can happen when an HTTP-based repository can no longer be reached.

The remedy in this cases is to “de-activate” the non-reachable IPS repository by “pkg set-publisher –G <ips repository> <publisher>”.

Tracing an STB Installation

You might find the STB installation slow or might even think the installation is hanging.

If you thing this is the case, start by using the “-verbose” option with “./install_stb.sh” so that you get more information of what the installer is doing currently.

If you are still convinced that the installer is hanging, please send a full trace to Oracle. You can do this by:

```
./install_stb.sh –trace –verbose >/tmp/trace 2>&1
```

Do not forget to type “I(install)” to start the actual installation.

3

Oracle Explorer Data Collector Modules

This chapter shows which modules are run by which alias groups. A module is run when it is in an alias group specified by the Oracle Explorer Data Collector **-w** option.

Module	Alias Group
1280extended	extended all 1280extended
alomextended	extended all alomextended
b1600extended	extended all b1600extended
b1600switch	extended all b1600switch
cluster	default all cluster
cmdline	always runs
crypto	default all crypto
disks	storage default all disks
emc	storage default all emc
etc	default all etc
etcextended	all etcextended
fcal	storage default all fcal
firelink	default all firelink
fma	default all fma
fru	default all fru
hds	storage default all hds
ib all	ib all
ilomextended	extended default all ilomextended
ilomsnapshot_finish	extended ilomsnapshot default all ilomsnapshot_finish
ilomsnapshot_start	extended ilomsnapshot default all ilomsnapshot_start
indy	storage default all indy
init	default all init
instinfo	all instinfo
ipmi	default all ipmi
ipmiextended	extended default all ipmiextended

Module	Alias Group
j2se	default all j2se
ldap	default all ldap
ldom	all ldom
lic	license default all lic
lp	printer default all lp
lvm	storage default all lvm
messages	default all messages
nbu	backup all nbu
nbu_extended	extended all nbu_extended
ndd	network default all ndd
netinfo	network default all netinfo
netract	extended all netract
nhas	all nhas
patch	always runs
pci	default all pci
photon	storage default all photon
pkg	always runs
platform_serial	always runs
proc	all proc
quorumserv	default all quorumserv
RAIDmanager	RAIDmanager storage default all prometheus
samfs	storage default all samfs
sanextended	storage extended default all sanextended
sap	all sap
sbu	backup default all sbu
scextended	extended all scextended
se3k	storage default all se3k
se3kextended	storage extended default all se3kextended
se61xx	storage se6130 default all se61xx
se6320	storage default all se6320
se6920	storage default all se6920
servicetags	default all servicetags
sf15k_lite	lite sf15klite all sf15k_lite
sf15k_ndd	starcat sf15k default all sf15k_ndd
sf15k_sc	starcat sf15k default all sf15k_sc
smfextended	extended all smfextended
sonoma	storage default all sonoma
srsextended	extended all srsextended

Module	Alias Group
ssa	storage default all ssa
ssp	starfire default all ssp
st25xx	storage default all st25xx
st5800	default all st5800
storade	storage default all storade
storedge	storage default all storedge
stortools	storage st3 default all stortools
sunjes	default all sunjes
sunone	all sunone
sunray	default all sunray
sysconfig	always runs
syslogs	all syslogs
t3	storage default all t3
t3extended	storage extended default all t3extended
tape	storage default all tape
test	all test
Tx000	default all Tx000
u4ft	default all u4ft
ufsextended	storage extended all ufsextended
var	default all var
vtsst	storage stortools st4 vts default all vtsst
vxfs	storage default all vxfs
vxvm	storage default all vxvm
xscfextended	extended default all xscfextended

4

Oracle Explorer Data Collector Commands

This chapter lists the commands, files, and directories that are collected by the Oracle Explorer Data Collector modules, and it provides an estimated count of the total number of commands, files, and directories collected.

1280extended

Collects Netra 1280 and V1280 system controller information.

Commands Collected

The following commands are collected:

```
ls -l ${EXP_LW8INPUT_CONFIG}
showcomponent -v ${BOARD}
```

In addition, the following commands are collected from the remote host:

```
history
inventory
showalarm 1
showalarm 2
showalarm system
showboards -v
showdate -v
showenvironment -v
showescape
showeventreporting
showfault
showhostname
showlocator
showlogs -v
showmodel
shownetwork -v
showresetstate -v
showsc -v
showboards -e
showboards -p proms
showboards -v -p cpu
showboards -v -p memory
showboards -v -p board
showboards -v -p io
showboards -v -p version
showchs -b
showerrorbuffer
showcodlicense -v
```

```
showcodusage -v
```

alomextended

Collects additional diagnostic information for an Advanced Lights Out Manager (ALOM) system when connected to the ALOM using telnet or ssh.

Commands Collected

The following commands are collected from the remote host:

```
showsc -v
consolehistory -e 100
showlogs -e 100
showlocator
showenvironment
showfru
showplatform -v
shownetwork -v
showdate
usershow
showusers
showsc version -v
showlogs -v
showkeyswitch
consolehistory -v
showsc -v
showfaults -v
showusers
showcomponent
showhost
```

b1600extended

Collects Sun Fire B1600 System Controller information when connected to the blade using telnet.

Commands Collected

The following command is collected:

```
ls -l ${EXP_B1600INPUT_CONFIG}
```

In addition, the following commands are collected from the remote host:

```
showsc -v
showlogs -v CH
showenvironment -v
showplatform -v
showdate
usershow
showusers
consolehistory -v ${SX}
consolehistory -v ${SX}/SWT
showfru ${SX}
showlogs ${SX}
```

b1600switch

Collects Sun Fire B1600 Switch and System Controller information when connected to the blade using telnet.

Commands Collected

The following commands are collected from the remote host:

```
show version
show system
show running-config
show vlan
show interfaces status
show interfaces switchport
show ip interface
show logging ram
show logging flash
show gvrp configuration
```

cluster

Collects cluster information.

The cluster script uses many loops to collect data. It attempts to collect data for Oracle, Sybase, Informix, SAP, NFS, andHA-HTTPD. For each database, it also attempts to collect data for each instance.

Commands Collected

The following commands are collected:

```
/bin/file <core_file>
/bin/ls -l /usr/lib | /bin/grep informix
/bin/ls -l /var/cluster/logs/eventlog*
/bin/ls -l /var/opt/SUNWcluster/devices
/bin/ls -lLd <core_file>
/bin/ls -lR ${HASYBDIR}
/bin/ps -ecf | /bin/grep ${SAPSID}
/opt/SUNWcacao/bin/cacaoadm
/usr/bin/echo '0t${pid}:A\n*cmm_dbg_buf/s\n:R\n\$q'|
   adb /usr/cluster/lib/sc/rgmd -
/usr/bin/echo '0t${pid}:A\n*ucmm_dbg_buf/s\n:R\n\$q'|
   adb /usr/cluster/lib/ucmm/ucmmd -
/usr/bin/echo '0t${pid}:A\n*cmm_dbg_buf/s\n:R\n\$q'|
   adb /usr/cluster/lib/ucmm/ucmmd -
/usr/bin/ls -l /var/cluster/logs/eventlog*
/usr/cluster/dtk/bin/cmm_ctl -g
/usr/cluster/dtk/bin/replctl
/usr/cluster/dtk/bin/dcs_config -c info
/usr/cluster/dtk/bin/dcs_config -c status
/usr/cluster/dtk/bin/orbadmin -P all
/usr/cluster/dtk/bin/orbadmin -R all
/usr/cluster/dtk/bin/print_net_state -s
/usr/cluster/lib/sc/cmm_ctl -g
/usr/cluster/lib/sc/replctl
/usr/cluster/lib/sc/rgmd_debug printbuf
/usr/proc/bin/pstack <core_file>
/usr/sap/${SAPSID}/SYS/exe/run/disp+work -V
/usr/sbin/pkgchk -n ${PKG}
```

```
/usr/sbin/smcwebserver -V
${CLUSTERBIN}/clustm dumpstate ${CLUSTERNAME}
${CLUSTERBIN}/finddevices disks ${ctl}
${CLUSTERBIN}/get_node_status
${CLUSTERBIN}/hainformix list
${CLUSTERBIN}/haoracle list
${CLUSTERBIN}/hareg
${CLUSTERBIN}/hareg -q ${DB}
${CLUSTERBIN}/hareg -q ${DS}
${CLUSTERBIN}/hastat
${CLUSTERBIN}/hasybase list
${CLUSTERBIN}/pmfadm -l \"\"
${CLUSTERBIN}/pmfadm -l ${handle}
${CLUSTERBIN}/pnmstat -lm
${CLUSTERBIN}/scconf -pv
${CLUSTERBIN}/scconf -pvv
${CLUSTERBIN}/scconf ${CLUSTERNAME} -p
${CLUSTERBIN}/scdidadm -c
${CLUSTERBIN}/scdidadm -l
${CLUSTERBIN}/scdidadm -L
${CLUSTERBIN}/scdpm -p all:all
${CLUSTERBIN}/scinstall -pv
${CLUSTERBIN}/scnas -p
${CLUSTERBIN}/scnasdir -p
${CLUSTERBIN}/scrgadm -pv
${CLUSTERBIN}/scrgadm -pvv
${CLUSTERBIN}/scstat
${CLUSTERBIN}/scstat -pv
${CLUSTERBIN}/scstat -pvv
${PNMBIN}/pnmstat -l
${SCIBIN}/sciadm -ident
${SCIBIN}/sciinfo -a
${SMABIN}/get_ci_status
${SMABIN}/smactl -l
${SCIDBIN}/scidstat -su ${id}
${SDSBIN}/medstat -s ${s}
echo "$G;$<threadlist" | mdb -k /dev/ksyms /dev/mem
echo "$<dump_all" | mdb -I $adb_macro_path -k /dev/ksyms /dev/mem
```

If Sun Cluster 3.1 Geographic Edition 3.1 08/05 is installed, the following additional commands are collected:

```
/usr/cluster/bin/geoadm
/usr/cluster/bin/geops
/usr/cluster/bin/geopg
/usr/cluster/bin/geohb
```

If Sun Cluster 3.2 is installed, the following commands are collected:

```
${CLUSTERBIN}/claccess
               list -v
               show
${CLUSTERBIN}/cldevice
               list -v
               show -v
${CLUSTERBIN}/cldevicegroup
               list -v
               show
               show -v
${CLUSTERBIN}/clinterconnect
               show
```

```
                status
${CLUSTERBIN}/clnas
                list -v
                show
                show -v
${CLUSTERBIN}/clnode
                list -v
                show
${CLUSTERBIN}/clquorum
                list -v
                show
${CLUSTERBIN}/clreslogicalhostname
                list -v
                show
                show -v
${CLUSTERBIN}/clresource
                list -v
                show
                show -v
${CLUSTERBIN}/clresourcegroup
                list -v
                show
                show -v
${CLUSTERBIN}/clresourcetype
                list -v
                show
                show -v
${CLUSTERBIN}/clressharedaddress
                list -v
                show
                show -v
${CLUSTERBIN}/clsnmphost
                list -v
                show
                show -v
${CLUSTERBIN}/clsnmpmib
                list -v
                show
${CLUSTERBIN}/clsnmpuser
                list -v
                show
${CLUSTERBIN}/cltelemetryattribute
                print
                print -v
                show -v
                status -v
${CLUSTERBIN}/cluster
                list -v
                list-cmds
                list-checks
                show
                show -v
                status -v
${CLUSTERBIN}/clzonecluster
                list -v
                show
                show -v
                status -v
```

If Solaris 10 is installed, the following additional command is collected:

```
/usr/bin/svcs -a | grep cluster
```

In addition, if Solaris 10 is installed, the following command is collected for the services that are listed by the previous grep command:

```
svccfg export svc:$j
```

Files Collected

The following files are collected:

```
/etc/clusters
/etc/did.conf
/etc/inet/ntf.conf.cluster
/etc/opt/${PKG}/hadsconf
/etc/pnmconfig
/etc/sci.ifconf
/etc/sma.config
/etc/sma.ip
/etc/serialports
/var/opt/SUNWcacao/logs/cacao.0
/var/cluster/logs/<eventlog_file> (var/cluster/logs/<eventlog_file>)
/tmp/scsi3_keys.out
/tmp/pgre_keys.out
/.rhosts
${CLUSTERBIN}/init.snmpd
${DBSDIR}/config${ORASID}.ora
${ERRLOGFILE}
${FILE}
${FILE}
${HADSDIR}/hadsconf
${HAINFDIR}/inftab
${HAINFDIR}/etc/sqlhosts
${HAORADIR}/listener.ora
${HAORADIR}/oratab
${HAORADIR}/sqlnet.ora
${HAORADIR}/tnsnames.ora
${HASYBDIR}/interfaces
${HASYBDIR}/sybtab
${IFILE}
${INFDIR}/etc/sqlhosts
${INFDIR}/etc/${CONFIG}
${line}
${LOGFILE}
${MSGPATH}
${ORAHOME}/orainst/RELVER
${ORAHOME}/dbs/init${ORASID}.ora
${ORANET}/listener.ora
${ORANET}/sqlnet.ora
${ORANET}/tnsnames.ora
${START}
${STOP}
${SYBHOME}/init/sqlsrv/version
${SYBHOME}/interfaces
${SRCDIR}/ha${DB}_support
${SRCDIR}/ha${DB}_config_V1
${SRCDIR}/etc/udlm.conf
${SRCDIR}/etc/cvm.conf
${WORKDIR}/dev*
${WORKDIR}/std*
${WORKDIR}/*.log
${WORKDIR}/*.trc
```

```
${WORKDIR}/[A-Z]*
instrum-cacao.0
audit-cacao.0
```

Directories Collected

The following directories are collected:

```
${SRCDIR}/${dir}
${SCDIR}
/opt/${PKG}/etc
/var/opt/SUNWcacao/run
```

In addition, the following directories are collected recursively:

```
${SRCDIR}
${EXP_TMPDIR}/cluster
/var/cluster
/etc/cluster
/usr/sap/${SAPSID}/SYS/profile
/var/opt/sybase
/var/opt/informix
${EXP_TMPDIR}/cluster
/etc/opt/SUNWcacao
/etc/cacao
```

If Solaris 10 is installed, the following additional directory is collected:

```
usr/cluster/lib/svc/method
```

crypto

Gathers configuration for cryptographic framework.

Commands Collected

The following commands are collected:

```
usr/sbin/cryptoadm list -vm
usr/sbin/cryptoadm list -p
/usr/sbin/cryptoadm list metaslot
/usr/bin/find /kernel/crypto /platform/'uname -m' /kernel/crypto -type f
2>/dev/null
| /usr/bin/elfsign verify -e
```

Files Collected

The following files are collected:

```
/etc/crypto/kcf.conf
/etc/crypto/pkcsll.conf
```

disks

Collects generic disk information by using loops to collect data for each disk in `/dev/rdsk/` and enclosures in `/dev/es/`. Also collects data for each file system in `df -lFufs`.

Commands Collected

The following commands are collected:

```
/opt/SUNWhd/hd/bin/hd
/opt/SUNWhd/hd/bin/hd -a
/opt/SUNWhd/hd/bin/hd -g
/opt/SUNWhd/hd/bin/hd -l
/opt/SUNWhd/hd/bin/hd -r
/opt/SUNWhd/hd/bin/hd -R
/opt/SUNWhd/hd/bin/hd -j
/opt/SUNWhd/hd/bin/hd -T
/opt/SUNWhd/hd/bin/hd -i
/opt/SUNWhd/hd/bin/hd -o
/opt/SUNWhd/hd/bin/hd -x
/opt/SUNWhd/hd/bin/hdadm diskqual all
/opt/SUNWhd/hd/bin/hdadm read_cache display all
/opt/SUNWhd/hd/bin/hdadm smart all
/opt/SUNWhd/hd/bin/hdadm write_cache display all
/opt/SUNWhwrdg/dptutil -L all
/opt/SUNWhwrdg/dptutil -L controller
/opt/SUNWhwrdg/dptutil -L logical
/opt/SUNWhwrdg/dptutil -L physical
/opt/SUNWhwrdg/dptutil -L raid
/opt/SUNWhwrdg/dptutil -L spare
/usr/bin/df -kl
/usr/bin/df -al
/usr/bin/df -el
/usr/bin/df -gl
/usr/bin/echo \"::sata_dmsg_dump\" | /usr/bin/mdb -k
/usr/bin/echo 0 | /usr/sbin/format 2>&1 | sed -e '/^Specify disk/,\$d'
/usr/bin/iostat -E
/usr/bin/iostat -iE
/usr/bin/iostat -xpnc 3 3
/usr/bin/find /dev -type d -print | xargs ls -lL
/usr/bin/ls -l /dev/fc
/usr/bin/ls -l /dev/nrst*
/usr/bin/ls -l /dev/rdsk
/usr/bin/ls -l /dev/rmt*
/usr/bin/ls -l /dev/rst*
/usr/bin/ls -lAR /dev /devices
/usr/bin/ls -ld /tmp
/usr/bin/ls -lL /dev/*dsk/*
/usr/bin/ls -lL /dev/rmt/
/usr/sbin/fcadm list-fcoe-ports
/usr/sbin/fstyp -v $bdev | sed '/^cylinder number /,\$d'
/usr/sbin/iscsiadm list discovery
/usr/sbin/iscsiadm list discovery-address -v
/usr/sbin/iscsiadm list initiator-node
/usr/sbin/iscsiadm list isns-server -v
/usr/sbin/iscsiadm list static-config
/usr/sbin/iscsiadm list target -S
/usr/sbin/iscsiadm list target -v
/usr/sbin/iscsiadm list target-param -v
/usr/sbin/itadm list-initiator -v
/usr/sbin/itadm list-target -v
/usr/sbin/itadm list-tpg -v
/usr/sbin/luxadm fcode_download -p
/usr/sbin/luxadm inq /dev/es/${ES}
/usr/sbin/luxadm probe
/usr/sbin/luxadm probe -p
```

```
/usr/sbin/luxadm qlgc_s_download
/usr/sbin/luxadm -e dump_map ${HBA_PORT}
/usr/sbin/luxadm -e port
/usr/sbin/luxadm -e rdls
/usr/sbin/mount
/usr/sbin/mount -v
/usr/sbin/mpathadm list initiator-port
/usr/sbin/mpathadm show initiator-port
/usr/sbin/mpathadm list LU
/usr/sbin/mpathadm show LU
/usr/sbin/mpathadm list mpath-support
/usr/sbin/mpathadm show  mpath-support
/usr/sbin/prtvtoc /dev/rdsk/$diskname$k
/usr/sbin/raidctl
/usr/sbin/raidctl -l
/usr/sbin/raidctl -l <volume name>
/usr/sbin/stmfadm list-hg -v
/usr/sbin/stmfadm list-lu -v
/usr/sbin/stmfadm list-state
/usr/sbin/stmfadm list-target -v
/usr/sbin/stmfadm list-tg -v
/usr/sbin/swap -l
/usr/sbin/swap -s
/usr/sbin/zpool list
/usr/sbin/zpool status -v
/usr/sbin/zpool iostat -v
/usr/sbin/zfs get -rHp all ${pool}
zlogin ${ZONENAME} '/usr/bin/df -klZ'
zlogin ${ZONENAME} '/usr/bin/df -alZ'
zlogin ${ZONENAME} '/usr/bin/df -elZ'
zlogin ${ZONENAME} '/usr/bin/df -glZ'
zlogin ${ZONENAME} '/usr/bin/ls -lAR /dev'
zlogin ${ZONENAME} '/usr/bin/swap -l'
zlogin ${ZONENAME} '/usr/bin/find /dev -type d -print | xargs ls -lL'
zlogin ${ZONENAME} '/usr/bin/ls -ld /tmp'
zlogin ${ZONENAME} '/usr/bin/df -kl'
zlogin ${ZONENAME} '/usr/bin/df -al'
zlogin ${ZONENAME} '/usr/bin/df -el'
zlogin ${ZONENAME} '/usr/bin/df -gl'
zlogin ${ZONENAME} '/usr/sbin/mount'
${DISKINFO} -d
cache
display
EOF
format -e -d <disk name> <<EOF
q
write_cache
For each LU /usr/sbin/stmfadm list-view -l <LU>
```

Directories Collected

The following directory is collected:

```
/etc/iscsi
```

Files Collected

The following files are collected:

```
/kernel/drv/st.conf
/var/opt/SUNWhwrdg/dptelog.*
```

```
/opt/SUNWhd/web/hd_map.html file
```

emc

Collects EMC Powerpath information.

Commands Collected

The following command is collected:

```
${EMC_PATH}/EMCpower/bin/powermt display dev=all
```

etc

Collects `/etc` configuration files.

Commands Collected

The following commands are collected:

```
/usr/sbin/fcadm list-fcoe-ports
/usr/sbin/fcinfo logical-unit -v
/usr/sbin/svccfg -s coreadm:default listprop config_params/*
/usr/sbin/svccfg -s dumpadm:default listprop config_params/*
/usr/sbin/zlogin <zone> '/usr/sbin/svccfg -s coreadm:default listprop config_
params/*'
/usr/sbin/zlogin <zone> '/usr/sbin/svccfg -s dumpadm:default listprop config_
params/*'
```

Files Collected

The following files are collected:

```
/etc/auto_master
/etc/bootparams
/etc/cpudiagd.conf
/etc/defaultdomain
/etc/defaultrouter
/etc/dfs/dfstab
/etc/dfs/sharetab
/etc/driver_aliases
/etc/driver_classes
/etc/dumpadm.conf
/etc/dumpdates
/etc/ethers
/etc/fcswitch.conf
/etc/hostname.*
/etc/hostname6.*
/etc/hosts
/etc/ibmatl.conf
/etc/inet/ike/config
/etc/inet/ipnodes
/etc/inet/ipsecinit.conf
/etc/inet/ipsecpolicy.conf
/etc/inet/ndpd.conf
/etc/inet/netmasks
/etc/inet/networks
/etc/inet/ntp.client
/etc/inet/ntp.conf
```

```
/etc/inet/ntp.server
/etc/inetd.conf
/etc/init.d/sysetup
/etc/inittab
/etc/mnttab
/etc/name_to_major
/etc/netconfig
/etc/nodename
/etc/notrouter
/etc/nscd.conf
/etc/nsswitch.conf
/etc/openwin/server/etc/OWconfig
/etc/pam.conf
/etc/path_to_inst
/etc/pooladm.conf
/etc/power.conf
/etc/profile
/etc/project
/etc/release
/etc/resolv.conf
/etc/rmmount.conf
/etc/rpc
/etc/services
/etc/shells
/etc/ssh/ssh_config (etc/ssh/)
/etc/ssh/sshd_config (etc/ssh/)
/etc/ssphostname
/etc/syslog.conf
/etc/system
/etc/TIMEZONE
/etc/user_attr
/etc/vfstab
/etc/X11/xorg.conf
/var/inet/ndpd_state.*
${ROOTDIR}/.dtprofile
${ROOTDIR}/.profile
${ROOTDIR}/.kshrc
${ROOTDIR}/.cshrc
${ROOTDIR}/.login
${ROOTDIR}/.logout
${ZONEPATH}/etc/ssh/sshd_config (zones/<zone>/etc/ssh/)
${ZONEPATH}/etc/ssh/ssh_config (zones/<zone>/etc/ssh/)
${ZONEPATH}/root/etc/TIMEZONE
${ZONEPATH}/root/etc/atuomaster
${ZONEPATH}/root/etc/hosts
${ZONEPATH}/root/etc/inetd.conf
${ZONEPATH}/root/etc/defaultdomain
${ZONEPATH}/root/etc/defaultrouter
${ZONEPATH}/root/etc/dumpdates
${ZONEPATH}/root/etc/coreadm.conf
${ZONEPATH}/root/etc/ethers
${ZONEPATH}/root/etc/fcswitch.conf
${ZONEPATH}/root/etc/mnttab
${ZONEPATH}/root/etc/nscd.conf
${ZONEPATH}/root/etc/nsswitch.conf
${ZONEPATH}/root/etc/pam.conf
${ZONEPATH}/root/etc/rpc
${ZONEPATH}/root/etc/release
${ZONEPATH}/root/etc/resolv.conf
${ZONEPATH}/root/etc/services
```

```
${ZONEPATH}/root/etc/vfstab
${ZONEPATH}/root/etc/nodename
${ZONEPATH}/root/etc/inittab
${ZONEPATH}/root/etc/syslog.conf
${ZONEPATH}/root/etc/shells
${ZONEPATH}/root/etc/init.d/sysetup
${ZONEPATH}/root/etc/rmmount.conf
${ZONEPATH}/root/etc/inet/netmasks
${ZONEPATH}/root/etc/inet/networks
${ZONEPATH}/root/etc/inet/ipnodes
```

Directories Collected

The following directories are collected:

```
/etc/cfg/fp
/etc/opt/SUNWexplo/sunone
-f *input.txt /etc/opt/SUNWexplo
/etc/default
${ZONEPATH}/root/etc/cfg/fp
${ZONEPATH}/root/etc/dt
${ZONEPATH}/root/etc/default
```

The following directories are collected recursively:

```
/etc/dt
/etc/zones
```

etcextended

Collects etcextended information using the Remote Diagnostic Agent (RDA).

Directories Collected

The following directories are collected:

```
/etc/security (etc/security)
${ZONEPATH}/etc/security (zones/<zone>/etc/security)
```

fcal

Collects disk information on internal FCAL drives.

Commands Collected

The following command is collected:

```
/usr/sbin/luxadm display ${LUN}
```

firelink

Collects Sun Fire Link hardware and software interconnect information.

Commands Collected

The following commands are collected:

```
$WRSMCONF topology
$WRSMCONF check
```

```
$WRSMCONF info
$WRSMSTAT controller
$WRSMSTAT wrsm
$WRSMSTAT route
$JAVA_BIN/java -version 2>&1
$FM_BIN/listfabrics
$FM_BIN/wcfmstat $FABRICS
$FM_BIN/wcfmstat -p $PARTITIONS $FABRICS
$JAVA_BIN/java -version 2>&1
```

Files Collected

The following file is collected:

```
/tmp/wrsmconf-dump.c$c
```

Directories Collected

The following directories are collected recursively:

```
/etc/wrsm
/var/opt/SUNWwrsmp
$WCFM_BASE_DATA_DIR
```

fma

Collects Fault Management Architecture information.

Commands Collected

The following commands are collected:

```
/usr/bin/ls -l /usr/platform/`uname -m`/lib/fm/fmd/plugins/
/usr/bin/ls -l /usr/lib/fm/fmd/plugins/
/usr/lib/fm/fmd/plugins/
/usr/lib/fm/fmd/fmtopo -V
/usr/lib/fm/fmd/fmtopo -x
/usr/sbin/fmadm config
/usr/sbin/fmadm faulty
/usr/sbin/fmadm faulty -a
/usr/sbin/fmadm faulty -i
/usr/sbin/fmdump
/usr/sbin/fmdump -e
/usr/sbin/fmdump -V
/usr/sbin/fmdump -eV
/usr/sbin/fmdump -eu $UUID
/usr/sbin/fmdump -u $UUID
/usr/sbin/fmdump -eVu $UUID
/usr/sbin/fmdump -vu $UUID
/usr/sbin/fmdump -Vu $UUID
/usr/sbin/fmstat -a
/usr/sbin/fmstat -s -m ${X}
/usr/sbin/fmstat -t
/usr/sbin/fmstat -T
/usr/sbin/fmstat -a -m <module>
/usr/sbin/fmdump -av
```

Directories Collected

The following directory is collected:

```
/var/fm/fmd/topo (fma/var/fm/fmd/topo)
```

Files Collected

The following files are collected:

```
/var/fm/fmd/errlog*
/var/fm/fmd/fltlog*
/var/fm/fmd/infolog* (fma/var/fm/fmd)
/var/fm/fmd/infolog_hival* (fma/var/fm/fmd)
/var/fm/fmd/rsrc
/etc/fm/fmd/fmd.conf
/usr/platform/`uname -m`/lib/fm/fmd/plugins/*.conf
/usr/lib/fm/fmd/plugins/*.conf
```

fru

Collects FRU id information.

Commands Collected

The following command is collected:

```
/usr/sbin/prtfru -x
```

hds

Collects information on the 99xx series.

Commands Collected

The following commands are collected:

```
/opt/HITdpo/bin/showvpath
/opt/HITdpo/bin/datapath query adapter
/opt/HITdpo/bin/datapath query device
/usr/bin/pairdisplay
$DLNKMGR view -sys
$DLNKMGR view -sys -sfunc
$DLNKMGR view -sys -msrv
$DLNKMGR view -sys -adrv
$DLNKMGR view -sys -pdrv
$DLNKMGR view -path
$RAIDQRY -h
```

Files Collected

The following files are collected:

```
$MGR_LOG_DIR/dlmmgr*
$MM_DIR/*
$TRC_FILE_DIR/hntr*$TRC_SETUP_DIR/*
$CCICONF_DIR/*.conf
/etc/horcm*
```

Directories Collected

The following directory is collected recursively:

```
$CCILOG_DIR recursive
```

ib

Collects InfiniBand information using the Remote Diagnostic Agent (RDA).

Commands Collected

The following commands are collected:

```
/usr/bin/rds-info
/usr/sbin/dladm show-ib
/usr/sbin/fwflash -l - c IB
/usr/sbin/ibaddr
/usr/sbin/ibcheckerrors -N
/usr/sbin/ibcheckstate
/usr/sbin/ibcheckwidth
/usr/sbin/ibdatacounters -N
/usr/sbin/iblinkinfo.pl
/usr/sbin/ibnetdiscover
/usr/sbin/ibnodes
/usr/sbin/ibstat
```

ilomextended

Collects remote Integrated Lights OutManager (ILOM) Intelligent Platform Management Interface (IPMI) data from Galaxy systems.

Commands Collected

The `ipmitool` command is searched in the following directories:

```
/opt/ipmitool/bin
/usr/sbin
/usr/sfw/bin
```

The following commands are collected:

```
ipmitool -H {host} -p {port} -U {user} -f {pwfile} mc info
ipmitool -H {host} -p {port} -U {user} -f {pwfile} mc getenables
ipmitool -H {host} -p {port} -U {user} -f {pwfile} chassis poh
ipmitool -H {host} -p {port} -U {user} -f {pwfile} chassis restart_cause
ipmitool -H {host} -p {port} -U {user} -f {pwfile} chassis power status
ipmitool -H {host} -p {port} -U {user} -f {pwfile} fru print
ipmitool -H {host} -p {port} -U {user} -f {pwfile} pef status
ipmitool -H {host} -p {port} -U {user} -f {pwfile} pef list
ipmitool -H {host} -p {port} -U {user} -f {pwfile} sdr list full
ipmitool -H {host} -p {port} -U {user} -f {pwfile} sel info
ipmitool -H {host} -p {port} -U {user} -f {pwfile} sel elist
ipmitool -H {host} -p {port} -U {user} -f {pwfile} sensor list
ipmitool -H {host} -p {port} -U {user} -f {pwfile} user summary
ipmitool -H {host} -p {port} -U {user} -f {pwfile} user list
ipmitool -H {host} -p {port} -U {user} -f {pwfile} sunoem led get
```

ilomsnapshot

Collects remote Integrated Lights Out Manager (ILOM) snapshot data.

Commands Collected

The following commands are collected:

```
show /X/diag/snapshot result
where Xstands for CMM of SP of ILOM type.
```

indy

Collects Sun StorEdge 3910, 3960, 6910, and 6960 information.

Commands Collected

The following commands are collected:

```
/bin/ls -l ${EXP_INDYINPUT_CONFIG}
${EXP_HOME}/bin/curl.`uname -p` --silent --retry 1 -o /tmp/${INDY_NAME}.response
-u %s:%s
\"http://%s:%s/?GET=RUNSS&comm=ras_ admin+host_detail\"
${EXP_HOME}/bin/curl.`uname -p` --connect-timeout 300 --silent --retry 1 -o
/tmp/${INDY_NAME}
.tar -u %s:%s \"http://%s:%s/?GET=RUNSS&comm=se_extract+-r+-x\"
```

Files Collected

The following files are collected:

```
/tmp/response
/tmp/${INDY_NAME}.tar
```

init

Collects `init.d` scripts.

Directories Collected

The following directories are collected:

```
/etc/rc0.d
/etc/rc1.d
/etc/rc2.d
/etc/rc3.d
/etc/rcS.d
```

instinfo

Collects information from an `instinfo` installation.

Files Collected

The following file is collected:

```
/etc/opt/SUNWexplo/instinfo/install_info
```

ipmi

Collects local Intelligent Platform Management Interface (IPMI) data on x86 platform.

Commands Collected

The `ipmitool` command is searched in the following directories:

```
/opt/ipmitool/bin
/usr/sbin
/usr/sfw/bin
```

The following commands are collected:

```
ipmitool chassis status
ipmitool chassis poh
ipmitool chassis power status
ipmitool chassis restart_cause
ipmitool fru
ipmitool fru print
ipmitool mc getenables
ipmitool mc info
ipmitool pef status
ipmitool pef list
ipmitool sel info
ipmitool sel elist
ipmitool sdr enlist full
ipmitool sdr list all info
ipmitool sensor list
ipmitool sunoem led get
ipmitool -I bmc sunoem sbled get
ipmitool -v sel elist
ipmitool -V
/usr/sbin/ilomconfig list system-summary
```

ipmiextended

Collects remote Intelligent Platform Management Interface (IPMI) data.

Commands Collected

The `ipmitool` command is searched in the following directories:

```
/opt/ipmitool/bin
/usr/sbin
/usr/sfw/bin
```

The following commands are collected:

```
ipmitool -H {host} -p {port} -U {user} -f {pwfile} chassis status
ipmitool -H {host} -p {port} -U {user} -f {pwfile} fru
ipmitool -H {host} -p {port} -U {user} -f {pwfile} pef status
ipmitool -H {host} -p {port} -U {user} -f {pwfile} pef list
ipmitool -H {host} -p {port} -U {user} -f {pwfile} sel info
ipmitool -H {host} -p {port} -U {user} -f {pwfile} sel elist
ipmitool -H {host} -p {port} -U {user} -f {pwfile} sdr list all info
ipmitool -H {host} -p {port} -U {user} -f {pwfile} -v sel elist
```

j2se

Collects installation and configuration data from a Java 2 Platform Standard Edition (J2SE) installation.

Commands Collected

The following commands are collected:

```
${j_array[${j}]}/bin/java -version
${j_array[${j}]}/bin/java -fullversion
/usr/bin/sum ${j_array[${j}]}/jre/lib/*
/usr/bin/find ${j_array[${j}]}/jre/lib/ -type -f -exec /usr/bin/sum {} \;
${j_array[${j}]}/jre/bin/java -version
${j_array[${j}]}/jre/bin/java -fullversion
/usr/bin/sum ${j_array[${j}]}/jre/lib/*
/usr/bin/find ${j_array[${j}]}/jre/lib/ -type -f -exec /usr/bin/sum {} \
zlogin ${ZONENAME} '${j_array[${j}]}/bin/java -version'
zlogin ${ZONENAME} '${j_array[${j}]}/bin/java -fullversion'
zlogin ${ZONENAME} '/usr/bin/sum ${j_array[${j}]}/jre/lib/*'
zlogin ${ZONENAME} '/usr/bin/find ${j_array[${j}]}/jre/lib/ -type -f -exec
/usr/bin/sum {} \;'
zlogin ${ZONENAME} '${j_array[${j}]}/jre/bin/java -version'
zlogin ${ZONENAME} '${j_array[${j}]}/jre/bin/java -fullversion'
zlogin ${ZONENAME} '/usr/bin/sum ${j_array[${j}]}/jre/lib/*'
zlogin ${ZONENAME} '/usr/bin/find ${j_array[${j}]}/jre/lib/ -type -f -exec
/usr/bin/sum {} \;'
```

Files Collected

The following files are collected:

```
${j_array[${j}]}/lib/security/java.policy
${j_array[${j}]}/lib/security/java.security
${j_array[${j}]}/jre/lib/security/java.policy
${j_array[${j}]}/jre/lib/security/java.security
${ZONEPATH}/root/${j_array[${j}]}/lib/security/java.policy
${ZONEPATH}/root/${j_array[${j}]}/lib/security/java.security
${ZONEPATH}/root/${j_array[${j}]}/jre/lib/security/java.policy
${ZONEPATH}/root/${j_array[${j}]}/jre/lib/security/java.security
```

ldap

Collects both client and server Lightweight Directory Access Protocol (LDAP) information.

Commands Collected

The following commands are collected:

```
/usr/bin/ldaplist
/usr/bin/ldaplist -d
/usr/bin/ldaplist -l
/usr/bin/ldaplist -l profile
/usr/lib/ldap/cachemgr -g
/usr/bin/ldapsearch -h ${SRVHOST} -b ${BASEDN} aci=\* aci
/usr/bin/ldapsearch -h ${SRVHOST} -b cn=monitor -s base objectclass=*
/usr/bin/ldapsearch -h ${SRVHOST} -b cn=monitor -s one objectclass=*
/usr/sbin/directoryserver -s ${instance} monitor (Solaris 9 or higher)
/usr/sbin/ldapclient -l (Oracle Solaris 8)
```

```
/usr/sbin/ldapclient list (Oracle Solaris 9 or higher)
```

Files Collected

The following files are collected:

```
/var/ds5/${di}/logs/access
/var/ds5/${di}/logs/errors
```

Directories Collected

The following directory is collected:

```
/var/ldap
```

ldom

Collects information on logical domains.

Commands Collected

The following commands are collected:

```
/opt/SUNWldm/bin/ldm list
/opt/SUNWldm/bin/ldm ls-dom
/opt/SUNWldm/bin/ldm ls-dom -l
/opt/SUNWldm/bin/ldm ls-dom -p
/opt/SUNWldm/bin/ldm list-spconfig
/opt/SUNWldm/bin/ldm list-bindings primary
/opt/SUNWldm/bin/ldm list-devices
/opt/SUNWldm/bin/ldm list-services
/opt/SUNWldm/bin/ldm list-constraints
/opt/SUNWldm/bin/ldm list-constraints -p
/opt/SUNWldm/bin/ldm list-constraints -x
/opt/SUNWldm/bin/ldm list-spconfig
/opt/SUNWldm/bin/ldm list-variable
/opt/SUNWldm/bin/ldm list-devices cpu
/opt/SUNWldm/bin/ldm list-devices mau
/opt/SUNWldm/bin/ldm list-devices memory
/opt/SUNWldm/bin/ldm list-devices io
```

Files Collected

The following files are collected:

```
/var/opt/SUNWldm/ldom-db.xml
/var/opt/SUNWldm/mac_allocation.xml
```

lic

Collects license information.

Commands Collected

The following commands are collected:

```
/etc/fw/bin/fw printlic
/usr/sbin/vxlicense -p
/usr/sbin/vxserial -p
```

```
/usr/sbin/vxfsserial -p
/sbin/vxlicrep
$licdir/lmstat -a -c $licdir/$licfile
```

Files Collected

The following file is collected:

```
/var/tmp/license_log
```

lp

Collects printer information.

Commands Collected

The following commands are collected:

```
/usr/bin/fnlist thisorgunit/service/printer
/usr/bin/ls -l /etc/lp/interfaces
/usr/bin/ls -l /var/spool/lp
/usr/bin/ls -l /var/spool/print
/usr/bin/ls -ld /usr/bin/lp
/usr/bin/ls -ld /var/lp/logs
/usr/bin/ls -ld /var/lp/logs/lpsched
/usr/bin/ls -ld /var/lp/logs/requests
/usr/sbin/fnselect
/usr/sbin/lpfilter -fall -l
```

Files Collected

The following files are collected:

```
/etc/lp/filter.table
/etc/lp/logs/ipp-errors
/var/lp/logs/lpsched*
/var/lp/logs/requests*
/etc/lp/Systems
/etc/printers.conf
```

Directories Collected

The following directories are collected:

```
/etc/cups
/etc/lp/printers
/var/log/cups
```

lvm

Collects Solstice DiskSuite information. Additional data is gathered for each disk set.

Commands Collected

The following commands are collected:

```
/usr/sbin/metastat -c (disks/svm/metastat-c.out)
/usr/sbin/metastat $metaparam -c (disks/svm/metastat-c.$diskset.out)
${SDSPATH}/metastat
```

```
${SDSPATH}/metastat -p
${SDSPATH}/metastat -t
${SDSPATH}/metadb
${SDSPATH}/metastat -s$diskset
${SDSPATH}/metastat -s$diskset -p
${SDSPATH}/metastat -s$diskset -t
${SDSPATH}/metadb -s$diskset
${SDSPATH}/metaset -s$diskset
```

Directories Collected

The following directories are collected:

```
/etc/opt/SUNWmd
/etc/lvm
```

messages

Collects `/var/adm/messages*`. In addition to `/var/adm/messages*`, the messages script attempts to collect additional log files specified in `/etc/syslog.conf`.

Commands Collected

The following commands are collected:

```
/usr/bin/dmesg
zlogin ${ZONENAME} '/usr/bin/dmesg'
```

Files Collected

The following files are collected:

```
/var/adm/messages*
${f}
${ZONEPATH}/root/var/adm/messages*
```

nbu

Collects NetBackup information.

Commands Collected

The following commands are collected:

```
/usr/bin/ls -lartR ${OPENVDIR}
${OPENVDIR}/netbackup/bin/goodies/support
${OPENVDIR}/netbackup/bin/goodies/support/support
${OPENVDIR}/netbackup/bin/goodies/available_media
${OPENVDIR}/netbackup/bin/admincmd/get_license_key -L features
${OPENVDIR}/netbackup/bin/admincmd/get_license_key -L keys
${OPENVDIR}/netbackup/bin/admincmd/bpconfig -U
${OPENVDIR}/netbackup/bin/admincmd/bpsyncinfo -U
${OPENVDIR}/netbackup/bin/admincmd/bpgetconfig
```

Files Collected

The following files are collected:

```
${OPENVDIR}/netbackup/db/Class_att_defs
${OPENVDIR}/netbackup/db/IDIRSTRUCT
${OPENVDIR}/netbackup/db/INDEXLEVEL
${OPENVDIR}/netbackup/db/bpenableLN.scr
${OPENVDIR}/netbackup/db/bpenableTD.scr
${OPENVDIR}/netbackup/db/images/*/INDEXLEVEL
${OPENVDIR}/java/JBPSimple.properties
${OPENVDIR}/java/Launch.properties
${OPENVDIR}/java/Xenv
${OPENVDIR}/java/*conf
${OPENVDIR}/netbackup/bp.conf
${OPENVDIR}/netbackup/version
${OPENVDIR}/netbackup/bin/version
${OPENVDIR}/netbackup/bin/*notify*
${OPENVDIR}/volmgr/version
${OPENVDIR}/volmgr/bin/driver/sg.conf*
${OPENVDIR}/volmgr/bin/driver/sg.links*
```

Directories Collected

The following directories are collected recursively:

```
${OPENVDIR}/netbackup/db/class
${OPENVDIR}/netbackup/db/class_template
${OPENVDIR}/netbackup/db/client
${OPENVDIR}/netbackup/db/config
${OPENVDIR}/netbackup/db/error
${OPENVDIR}/netbackup/db/failure_history
${OPENVDIR}/netbackup/db/jobs
${OPENVDIR}/netbackup/db/media
${OPENVDIR}/java/logs
/usr/openv/netbackup/bin/support/output/nsbu/<hostname_timestam>
```

nbu_extended

Collects Extended NetBackup information.

Commands Collected

The following commands are collected:

```
ls -larTR ${OPENVDIR}
${OPENVDIR}/netbackup/bin/goodies/support
${OPENVDIR}/netbackup/bin/goodies/support/support
${OPENVDIR}/netbackup/bin/goodies/available_media
${OPENVDIR}/netbackup/bin/admincmd/get_license_key -L features
${OPENVDIR}/netbackup/bin/admincmd/get_license_key -L keys
${OPENVDIR}/netbackup/bin/admincmd/bpconfig -U
${OPENVDIR}/netbackup/bin/admincmd/bpsyncinfo -U
${OPENVDIR}/netbackup/bin/admincmd/bpgetconfig
${OPENVDIR}/netbackup/bin/admincmd/bperror -U -all -d 01/30/00 00:00:00
${OPENVDIR}/netbackup/bin/admincmd/bperror -U -media -d 01/30/00 00:00:00
${OPENVDIR}/netbackup/bin/admincmd/bpcllist -allclasses -U
${OPENVDIR}/netbackup/bin/admincmd/bpclclients
${OPENVDIR}/netbackup/bin/admincmd/bpmedialist -U -mlist
${OPENVDIR}/netbackup/bin/admincmd/bpmedialist -summary
```

```
${OPENVDIR}/netbackup/bin/admincmd/bpmedialist -summary -brief
${OPENVDIR}/netbackup/bin/admincmd/bpimmedia -U
${OPENVDIR}/netbackup/bin/admincmd/bpimagelist -A -d 01/30/00 00:00:00
${OPENVDIR}/netbackup/bin/admincmd/bpimagelist -A -media -d 01/30/00 00:00:00
${OPENVDIR}/netbackup/bin/admincmd/bpconfig -U
${OPENVDIR}/netbackup/bin/admincmd/bpsyncinfo -U
${OPENVDIR}/netbackup/bin/admincmd/bpgetconfig
${OPENVDIR}/netbackup/bin/admincmd/bpdbjobs -report
${OPENVDIR}/netbackup/bin/admincmd/bpdbjobs -summary
${OPENVDIR}/netbackup/bin/admincmd/bpstulist -U -verbose
${OPENVDIR}/netbackup/bin/bpps -a
${OPENVDIR}/netbackup/bin/bpclimagelist
${OPENVDIR}/volmgr/bin/vmquery -a
${OPENVDIR}/volmgr/bin/vmquery -a -bx
${OPENVDIR}/volmgr/bin/vmquery -a -w
${OPENVDIR}/volmgr/bin/vmpool -listall
${OPENVDIR}/volmgr/bin/vmrule -listall
${OPENVDIR}/volmgr/bin/tpclean -L
${OPENVDIR}/netbackup/bin/admincmd/bpplist -allpolicies -U
${OPENVDIR}/netbackup/bin/admincmd/bpplclients
${OPENVDIR}/netbackup/bin/admincmd/bpdbjobs -all_columns
```

Files Collected

The following files are collected:

```
$file
${OPENVDIR}/netbackup/db/Class_att_defs
${OPENVDIR}/netbackup/db/IDIRSTRUCT
${OPENVDIR}/netbackup/db/INDEXLEVEL
${OPENVDIR}/netbackup/db/bpenableLN.scr
${OPENVDIR}/netbackup/db/bpenableTD.scr
${OPENVDIR}/netbackup/db/images/*/INDEXLEVEL
${OPENVDIR}/java/JBPSimple.properties
${OPENVDIR}/java/Launch.properties
${OPENVDIR}/java/Xenv
${OPENVDIR}/java/*conf
${OPENVDIR}/netbackup/bp.conf
${OPENVDIR}/netbackup/version
${OPENVDIR}/netbackup/bin/version
${OPENVDIR}/netbackup/bin/*notify*
${OPENVDIR}/volmgr/version
${OPENVDIR}/volmgr/bin/driver/sg.conf*
${OPENVDIR}/volmgr/bin/driver/sg.links*
${OPENVDIR}/netbackup/nblog.conf
```

Directories Collected

The following directories are collected recursively:

```
${OPENVDIR}/netbackup/logs
${OPENVDIR}/netbackup/db/class
${OPENVDIR}/netbackup/db/class_template
${OPENVDIR}/netbackup/db/client
${OPENVDIR}/netbackup/db/config
${OPENVDIR}/netbackup/db/error
${OPENVDIR}/netbackup/db/failure_history
${OPENVDIR}/netbackup/db/jobs
${OPENVDIR}/netbackup/db/media
${OPENVDIR}/volmgr/debug
${OPENVDIR}/java/logs
```

```
${OPENVDIR}/netbackup/vault/sessions
${OPENVDIR}/netbackup/db/vault
/usr/openv/netbackup/bin/support/output/nsbu/<hostname_timestamp>/.texttxt
```

ndd

Collects network device driver information. The `ndd` script attempts to collect driver information for 6 services (arp, icmp, ip, sctp, tcp, and udp). It also collects data for up to 16 instances of 10 cards (such as `hme` or `qfe`). For each service or card instance, the script collects data for all parameters of that driver.

Commands Collected

The following commands are collected:

```
/usr/bin/echo '::walk sctps |::sctp -a' | mdb -k (netinfo/)
/usr/sbin/ndd /dev/arp \?
/usr/sbin/ndd /dev/icmp \?
/usr/sbin/ndd /dev/ip \?
/usr/sbin/ndd /dev/sctp \?
/usr/sbin/ndd /dev/tcp \?
/usr/sbin/ndd /dev/udp \?
```

For parameters with write only:

```
/usr/sbin/ndd /dev/arp <param>
/usr/sbin/ndd /dev/icmp <param>
/usr/sbin/ndd /dev/ip <param>
/usr/sbin/ndd /dev/sctp <param>
/usr/sbin/ndd /dev/tcp <param>
/usr/sbin/ndd /dev/udp <param>
```

For network card devices:

```
/usr/sbin/ndd /dev/<device> \?
```

For parameters with write only:

```
/usr/sbin/ndd /dev/<device> <param>
```

netinfo

Collects generic network information.

Commands Collected

The following commands are collected:

```
/etc/fw/bin/fw ver
/etc/opt/SUNWconn/bin/nettr -stats $head device=ge type=1
/etc/opt/SUNWconn/bin/nettr -stats $head device=ge type=2
/etc/opt/SUNWconn/bin/nettr -stats $head device=qfe type=1
/etc/opt/SUNWconn/bin/nettr -stats $head device=qfe type=2
/etc/opt/SUNWconn/bin/nettr -stats $heads type=1
/etc/opt/SUNWconn/bin/nettr -stats $heads type=2
/etc/opt/SUNWconn/trunking/bin/nettr -conf
/etc/opt/SUNWconn/trunking/bin/nettr -conf lacp
/usr/bin/kstat -c net 3 3
/usr/bin/kstat -p
/usr/bin/netstat -an
```

```
/usr/bin/netstat -gn
/usr/bin/netstat -in
/usr/bin/netstat -m
/usr/bin/netstat -pn
/usr/bin/netstat -rn
/usr/bin/netstat -rvan
/usr/bin/netstat -s
/usr/bin/nfsstat
/usr/bin/niscat -o $domain
/usr/bin/nisdefaults
/usr/bin/nisls -lR
/usr/bin/rds-info
/usr/bin/rds-info -n
/usr/bin/rpcinfo
/usr/bin/rpcinfo -m
/usr/lib/nis/nisping -u org_dir
/usr/lib/nis/nisshowcache -v
/usr/lib/nis/nisstat
/usr/sbin/arp -a
/usr/sbin/arp ${hostname}
/usr/sbin/dladm show-aggr -L
/usr/sbin/dladm show-aggr -Z
/usr/sbin/dladm show-bridge
/usr/sbin/dladm show-dev
/usr/sbin/dladm show-ether -Z
/usr/sbin/dladm show-etherstub -Z
/usr/sbin/dladm show-ib
/usr/sbin/dladm show-iptun -Z
/usr/sbin/dladm show-linkprop
/usr/sbin/dladm show-part
/usr/sbin/dladm show-part
/usr/sbin/dladm show-phys -L
/usr/sbin/dladm show-phys -Z
/usr/sbin/dladm show-secobj
/usr/sbin/dladm show-vlan -Z
/usr/sbin/dladm show-vnic -Z
/usr/sbin/dladm show-wifi -Z
/usr/sbin/dlstat -A
/usr/sbin/dlstat -Z
/usr/sbin/flowadm show-flow
/usr/sbin/flowadm show-flow -P
/usr/sbin/flowadm show-flowprop
/usr/sbin/flowadm show-flowprop -P
/usr/sbin/flowstat -A
/usr/sbin/ibdiagnet
/usr/sbin/ibv_devinfo
/usr/sbin/idmap dump
/usr/sbin/idmap dump -n
/usr/sbin/idmap list
/usr/sbin/ilbadm export-config
/usr/sbin/ipadm show-addr
/usr/sbin/ipadm show-addrprop
/usr/sbin/ipadm show-if -o all
/usr/sbin/ipadm show-ifprop
/usr/sbin/ipf -V
/usr/sbin/ipmpstat -an (netinfo/ipmpstat_an.out)
/usr/sbin/ipmpstat -g (netinfo/ipmpstat_g.out)
/usr/sbin/ipmpstat -i (netinfo/ipmpstat_i.out)
/usr/sbin/ipmpstat -pn & sleep 5 && kill $! (netinfo/ipmpstat_pn.out)
/usr/sbin/ipmpstat -tn (netinfo/ipmpstat_tn.out)
```

```
/usr/sbin/ipqosconf -l
/usr/sbin/netadm list -x
/usr/sbin/netcfg export
/usr/sbin/sharectl get autofs
/usr/sbin/sharectl get nfs
/usr/sbin/sharectl get smb
/usr/sbin/smbadm show-domains
/usr/sbin/smbadm show-groups -mp
/usr/sbin/soconfig -l
/usr/sbin/svccfg -s idmap listprop
/usr/sbin/svccfg -s smb listprop
/usr/sbin/svccfg -s smb/client listprop
/usr/sbin/svccfg -s smb/server listprop
/usr/sbin/vrrpadm show-router -x
/usr/sbin/zlogin <zone> '/usr/sbin/idmap dump -n'
/usr/sbin/zlogin <zone> '/usr/sbin/idmap dump'
/usr/sbin/zlogin <zone> '/usr/sbin/idmap list'
/usr/sbin/zlogin <zone> '/usr/sbin/ipmpstat -an'
   (zones/<zone>/netinfo/ipmpstat_an.out)
/usr/sbin/zlogin <zone> '/usr/sbin/ipmpstat -g'
   (zones/<zone>/netinfo/ipmpstat_g.out)
/usr/sbin/zlogin <zone> '/usr/sbin/ipmpstat -i'
   (zones/<zone>/netinfo/ipmpstat_i.out)
/usr/sbin/zlogin <zone> '/usr/sbin/ipmpstat -pn & sleep 5 && kill $!'
   (zones/<zone>/netinfo/ipmpstat_pn.out)
/usr/sbin/zlogin <zone> '/usr/sbin/ipmpstat -tn'
   (zones/<zone>/netinfo/ipmpstat_tn.out)
/usr/sbin/zlogin <zone> '/usr/sbin/sharectl get smb'
/usr/sbin/zlogin <zone> '/usr/sbin/smbadm show-domains'
/usr/sbin/zlogin <zone> '/usr/sbin/smbadm show-groups -mp'
/usr/sbin/zlogin <zone> '/usr/sbin/svccfg -s idmap listprop'
/usr/sbin/zlogin <zone> '/usr/sbin/svccfg -s smb listprop'
/usr/sbin/zlogin <zone> '/usr/sbin/svccfg -s smb/client listprop'
/usr/sbin/zlogin <zone> '/usr/sbin/svccfg -s smb/server listprop'
echo "*ibtf_debug_buf/s" | mdb -k
echo "*rdsv3_debug_buf/s" | mdb -k
echo "*sol_ofs_debug_buf/s" | mdb -k
zlogin ${ZONENAME} '/usr/sbin/sharectl get autofs'
zlogin ${ZONENAME} '/usr/sbin/sharectl get nfs'
zlogin ${ZONENAME} '/usr/bin/kstat -p'
zlogin ${ZONENAME} '/usr/bin/netstat -an'
zlogin ${ZONENAME} '/usr/bin/netstat -in'
zlogin ${ZONENAME} '/usr/bin/netstat -m'
zlogin ${ZONENAME} '/usr/bin/netstat -pn'
zlogin ${ZONENAME} '/usr/bin/netstat -rn'
zlogin ${ZONENAME} '/usr/bin/netstat -rvan'
zlogin ${ZONENAME} '/usr/bin/netstat -s'
zlogin ${ZONENAME} '/usr/bin/nfsstat'
zlogin ${ZONENAME} '/usr/bin/niscat -o $domain'
zlogin ${ZONENAME} '/usr/bin/nisdefaults'
zlogin ${ZONENAME} '/usr/bin/nisls -lR'
zlogin ${ZONENAME} '/usr/bin/rpcinfo -m'
zlogin ${ZONENAME} '/usr/bin/rpcinfo'
zlogin ${ZONENAME} '/usr/lib/nis/nisping -u org_dir'
zlogin ${ZONENAME} '/usr/lib/nis/nisshowcache -v'
zlogin ${ZONENAME} '/usr/lib/nis/nisstat'
zlogin ${ZONENAME} '/usr/sbin/arp -a'
zlogin ${ZONENAME} '/usr/sbin/routeadm -p'
```

Files Collected

The following files are collected:

```
/etc/net/ticlts/hosts
/etc/net/ticots/hosts
/etc/net/ticotsord/hosts
/etc/named.conf
${ZONEPATH}/root/etc/named.conf
/var/run/nfs4_domain
```

netract

Collects the information about alarm card for Netract systems.

Commands Collected

The following commands are collected:

```
showrecovery
showmohsecurity
showipmode -b 1
showipmode -b 2
showipaddr -b 1
showipaddr -b 2
showipnetmask -b 1
showipnetmask -b 2
showipgateway -b 1
showipgateway -b 2
showservicemode
showhostname
showntpserver
showcpustate
showhealth
showenvironment
shownetwork
showdate
consolehistory
loghistory
debuglog
usershow
mohusershow
showpanicdump
showfru midplane 1 Sun_Part_No
showfru midplane 1 Sun_Serial_No
showfru slot 4 Boot_Devices
showfru slot 5 Boot_Devices
showescapechar
showsecondaryboot
version
ifconfig
aps
arp -a
netstat -a
sysctl -A
/usr/sbin/dhtadm -P
/usr/sbin/pntadm -P `/usr/sbin/pntadm -L`
/usr/platform/SUNW,NetraCT-810/
sbin/netraos list
/usr/platform/SUNW,NetraCT-810/
```

```
sbin/netradc list
```

Files Collected

The following files are collected:

```
/var/adm/loghistory*
/var/adm/consolehistory*
```

nhas

Collects Netra High Availability Suite information.

Commands Collected

The following commands are collected:

```
/opt/SUNWcgha/sbin/nhadm check installation
/opt/SUNWcgha/sbin/nhadm check configuration
/opt/SUNWcgha/sbin/nhadm check starting
/usr/sbin patchadd -R /SUNWcgha/swdb -p
/usr/sbin/patchadd -R /SUNWcgha/local/export/services
/opt/SUNWcgha/sbin/nhcrfsadm -c
/opt/SUNWcgha/sbin/nhcmmadm -c -all
/bin/ls -l /tftpboot
```

Files Collected

The following files are collected:

```
/etc/opt/SUNWcgha/nhfs.conf
/etc/opt/SUNWcgha/target.conf
/etc/opt/SUNWcgha/cluster_nodes_table
/etc/inet/dhcpsvc.conf
/SUNWcgha/local/export/data/var/dhcp/SUNWnhrbs1_dhcptab
/SUNWcgha/local/export/data/var/dhcp/SUNWrbs1_*
/etc/opt/SUNWcgha/not_configured
```

patch

Collects patch information.

Commands Collected

The following commands are collected:

```
/usr/bin/showrev
/usr/bin/showrev -p
/usr/bin/egrep -e '^Patch' ${EXP_TARGET}/patch+pkg/showrev-p.out | nawk '{print
\$2}' | sort
/usr/sbin/patchadd -p
/usr/bin/egrep -e '^Patch' ${EXP_TARGET}/patch+pkg/patchadd-p.out | nawk '{print
\$2}' | sort
/usr/bin/ls -l /var/sadm/patch
/usr/bin/ls -almtr /var/sadm/patch
zlogin ${ZONENAME} '/usr/bin/showrev'
zlogin ${ZONENAME} '/usr/bin/showrev -p'
zlogin ${ZONENAME} '/usr/bin/egrep -e '^Patch' ${EXP_
TARGET}/patch+pkg/showrev-p.out | nawk
```

```
'{print \$2}' | sort'
zlogin ${ZONENAME} '/usr/sbin/patchadd -p'
zlogin ${ZONENAME} '/usr/bin/egrep -e '^Patch' ${EXP_
TARGET}/patch+pkg/patchadd-p.out | nawk
'{print \$2}' | sort'
zlogin ${ZONENAME} '/usr/bin/ls -l /var/sadm/patch'
zlogin ${ZONENAME} '/usr/bin/ls -almtr /var/sadm/patch'
```

pci

Collects PCI information on x86 systems running the Solaris OS.

Commands Collected

The following commands are collected:

```
/usr/bin/scanpci -v (sysconfig/scanpci-v.out)
/usr/X11/bin/scanpci -v (sysconfig/scanpci-v.out)
/usr/X11/bin/scanpci -v0
```

photon

Collects Sun StorEdge A5X00 information. The photon script collects data for each Sun StorEdge A5X00 found.

Commands Collected

The following commands are collected:

```
/usr/sbin/luxadm probe
/usr/sbin/luxadm probe -p
/usr/bin/ls -l /dev/es
/usr/sbin/luxadm display $BOXNAME
/usr/sbin/luxadm -v display $BOXNAME
/usr/sbin/luxadm display -r $BOXNAME
/usr/sbin/luxadm -e dump_map $BOXNAME
/usr/sbin/luxadm -e port $BOXNAME
```

pkg

Collects package information.

Commands Collected

The following commands are collected:

```
/usr/bin/ls -almtr /var/sadm/pkg
/usr/bin/pkg info -l
/usr/bin/pkg info -l
/usr/bin/pkg list
/usr/bin/pkg publisher
/usr/bin/pkginfo -l
/usr/bin/pkginfo -p
/usr/bin/pkginfo -i
/usr/bin/pkgparam -v <package> | sed -ne '/^SUNW_PKG/ s/^/<package>:/p'
/usr/sbin/pkg list (zones/<zone>/patch+pkg/pkg_listing_ips!)
zlogin ${ZONENAME} '/usr/bin/pkginfo -l'
zlogin ${ZONENAME} '/usr/bin/pkginfo -p'
```

```
zlogin ${ZONENAME} '/usr/bin/pkginfo -i'
zlogin ${ZONENAME} '/usr/bin/ls -almtr /var/sadm/pkg'
zlogin <zone> '/usr/bin/pkg info -l'
zlogin <zone> '/usr/bin/pkg list'
```

proc

Collects information from `/proc`.

Commands Collected

The following commands are collected:

```
/usr/bin/pstack $PID
/usr/bin/pfiles $PID
zlogin ${ZONENAME} '/usr/bin/pstack $PID'
zlogin ${ZONENAME} '/usr/bin/pfiles $PID'
```

quorumserv

Collects Sun Cluster Quorum Server setup and configuration information.

Commands Collected

The following commands are collected:

package data is collected via pkginfo-1.out that is already in place

message data is collected via /var/adm/messages that is already in place

/usr/cluster/bin/clqs show <instance_name>

process data is collected via ps-ef.out that is already in place

Files Collected

The following files are collected:

```
/var/scqsd/scqsd_dbg_buf
/etc/scqsd/scqsd.conf
/var/scqsd/<cluster_name>.0x<cluster_id>
```

raidmanager

Collects Explorer information for Prometheus and Cougar.

Commands Collected

The following commands are collected:

```
/opt/MegaRAID/MegaCli/MegaCli64 -AdpAllInfo -aALL (RAIDmanager/MegaCli/)
/opt/MegaRAID/MegaCli/MegaCli64 -AdpBbuCmd -aALL (RAIDmanager/MegaCli/)
/opt/MegaRAID/MegaCli/MegaCli64 -AdpEventLog -GetEvents -aALL
(RAIDmanager/MegaCli/)
/opt/MegaRAID/MegaCli/MegaCli64 -CfgDsply -aALL (RAIDmanager/MegaCli/)
/opt/MegaRAID/MegaCli/MegaCli64 -FwTermLog -dsply -aALL (RAIDmanager/MegaCli/)
/opt/MegaRAID/MegaCli/MegaCli64 -LDInfo -LALL -aALL (RAIDmanager/MegaCli/)
/opt/MegaRAID/MegaCli/MegaCli64 -LDPDInfo -aALL (RAIDmanager/MegaCli/)
/opt/MegaRAID/MegaCli/MegaCli64 -PDList -aALL (RAIDmanager/MegaCli/)
/opt/MegaRAID/MegaCli/MegaCli64 -PDList -aALL | nawk ${AWK_CMD}
```

```
(RAIDmanager/MegaCli/PDList-aALL_short)
/usr/StorMan/arcconf GETCONFIG
/usr/StorMan/arcconf GETSTATUS
/usr/StorMan/arcconf GETLOGS $CNUM uart
/usr/StorMan/arcconf GETLOGS $CNUM device
/usr/StorMan/arcconf GETLOGS $CNUM dead
/usr/StorMan/arcconf GETLOGS $CNUM event
/usr/StorMan/arcconf GETLOGS $CNUM ppi
```

Files Collected

The following files are collected:

```
${STORMAN}/arcconfig.xml
${STORMAN}/Support.zip
${STORMAN}/SystemID
${STORMAN}/arcerror.txt
${STORMAN}/UcliEvt.log
${STORMAN}/RaidDP.log
${STORMAN}/RaidErr.log
${STORMAN}/RaidErrA.log
${STORMAN}/RaidEvt.log
${STORMAN}/RaidEvtA.log
```

rda

Some information in Explorer is not collected by an Explorer script but rather by the Remote Diagnostic Agent (RDA). This "rda" module is used to call RDA from Explorer.

samfs

Collects information from an installed Sun StorEdge SAM-FS environment.

Commands Collected

The following commands are collected:

```
/usr/bin/echo \"ETCDIR = ${ETCDIR}\"
/usr/bin/echo \"VARDIR = ${VARDIR}\"
/usr/bin/echo \"USERDIR = ${USERDIR}\"
/usr/bin/echo \"EXECDIR = ${EXECDIR}\"
/usr/bin/echo \"SHFSDIR = ${SHFSDIR}\"
/usr/bin/echo \"CATDIR = ${CATDIR}\"
/usr/bin/echo \"FSDDIR = ${FSDDIR}\"
/usr/bin/echo \"FTPDIR = ${FTPDIR}\"
/usr/bin/echo \"TRCDIR = ${TRCDIR}\"
/usr/bin/echo \"TRCTRMP= ${TRCTMP}\"
/usr/bin/echo \"ARCHDATA= ${ARCHDATA}\"
/usr/bin/echo \"STAGER_DATA= ${STAGER_DATA}\"
/usr/bin/echo \"DEVLOGS= ${DEVLOGS}\"
/usr/bin/tail -1000 ${SAMLOG}
$EXECDIR/samcmd d
/usr/bin/echo \"SAMLOG = ${SAMLOG}\"
/usr/bin/echo \"ARCHLOGS = ${ARCHLOGS}\"
/usr/bin/echo \"RECLLOGS = ${RECLLOGS}\"
/usr/bin/echo \"DEVLOGS = ${DEVLOGS}\"
/usr/bin/echo \"RELLOG = ${RELLOG}\"
/usr/bin/echo \"STAGELOG = ${STAGELOG}\"
/usr/bin/echo \"STAGER_LOG = ${STAGER_LOG}\"
```

```
/usr/bin/echo \"ARCHTRC = ${ARCHTRC}\"
/usr/bin/echo \"CATTRC = ${CATTRC}\"
/usr/bin/echo \"FSDTRC = ${FSDTRC}\"
/usr/bin/echo \"FTPTRC = ${FTPTRC}\"
/usr/bin/echo \"RCYTRC = ${RCYTRC}\"
/usr/bin/echo \"SHFSTRC = ${SHFSTRC}\"
/usr/bin/echo \"STGTRC = ${STGTRC}\"
/usr/bin/tail -1000 ${FILE}
/usr/bin/tail -1000 /tmp/.grau
/bin/ls /var/adm/log/fs_fifo_log
/bin/ls /var/adm/log/fs_ioctl_log
/bin/ls -l /etc/release
/bin/grep sam_statvfs_bias /etc/system
/bin/ls -l /dev/rdst*
/bin/ls -Ll /dev/rdst*
/bin/ls -l /dev/dsk/*s2
/bin/ls -Ll /dev/dsk/*s2
/bin/ls -l /dev/rdsk/*s2
/bin/ls -Ll /dev/rdsk/*s2
/bin/ls -l /etc/driver_classes
/bin/ls -l /etc/driver_aliases
/bin/ls -lR /opt/SUNWsamfs
/bin/grep sam /etc/name_to_sysnum
/usr/sbin/modinfo | /bin/grep sam | /bin/grep -v sampling
/usr/sbin/modinfo | /bin/grep ' sd '
/usr/sbin/modinfo | /bin/grep ' st '
/usr/sbin/modinfo | /bin/grep fp
/usr/sbin/modinfo | /bin/grep qlc
/usr/sbin/modinfo | /bin/grep ssd
${EXECDIR}/samset
${EXECDIR}/samset debug
${EXECDIR}/samset devlog all
/bin/ls -l /dev/samst
/bin/ls -Ll /dev/samst
/bin/ls -l /dev/samrd
/bin/ls -l /opt/SANergy/lib
/bin/ls -l /opt/SANergy/lib/sparcv9
/bin/ls -Ll /opt/SANergy/lib
/bin/ls -Ll /opt/SANergy/lib/sparcv9
${EXECDIR}/samfsinfo $fs
${EXECDIR}/samsharefs $fs
${EXECDIR}/samsharefs -R $fs
${EXECDIR}/samcmd a $fs
${EXECDIR}/samcmd N $SAMFS
${EXECDIR}/samcmd f
${EXECDIR}/samcmd m
${EXECDIR}/samcmd p
${EXECDIR}/samcmd w
${EXECDIR}/samcmd u
${EXECDIR}/samcmd r
${EXECDIR}/samcmd n
${EXECDIR}/samcmd d
${EXECDIR}/samcmd s
${EXECDIR}/samcmd c
/bin/grep wait ${ETCDIR}/archiver.cmd
${EXECDIR}/archiver -lv
${EXECDIR}/dmpshm
${EXECDIR}/samtrace -v
/usr/lib/fs/samfs/sam-fsd
/usr/proc/bin/ptree ${SAM_FSD}
```

```
/usr/proc/bin/pstack ${PID}
/usr/proc/bin/pflags ${PID}
/bin/ls -tlLd ${FILE}
/bin/file ${FILE}
/bin/file ${FILE}
/bin/file ${FILE}
/opt/SUNWsamfs/jre/bin/jre -v
/opt/SUNWsamfs/sbin/dump_cat -V ${catpath}
/opt/SUNWsamfs/sbin/dump_cat -V ${catpath}
/opt/SUNWsamfs/sbin/dump_cat -V ${catpath}
/opt/SUNWsamfs/sbin/dump_cat -V ${catpath}
/opt/SUNWsamfs/sbin/samexplorer
```

Files Collected

The following files are collected:

```
/etc/driver_classes
/etc/driver_aliases
/opt/SUNWsamfs/include/version.h
```

Directories Collected

The following directories are collected recursively:

```
${ETCDIR}
${VARDIR}
```

sanextended

Collects extended storage area network (SAN) switch information.

Commands Collected

The following commands are collected:

```
${CLIENT} ${SAN_NAME}
/bin/ls -l ${EXP_SANINPUT_CONFIG}
```

In addition, the following commands are collected from the remote host:

```
switchtype
supportshow
loomphantomshow
bloomphantomshow
show support
show support
show eventlog
show features
show frus
show ip ethernet
show nameServer
show port config
show port info
show port status
show port technology
show switch
show system
show loginserver
show zoning
```

```
show security portbinding
show tech details
```

Files Collected

The following file is collected:

```
${EXP_SANINPUT_CONFIG}
```

sap

Collects configuration information from an SAP installation.

Commands Collected

The following commands are collected:

```
/bin/su - ${SIDADM} -c \"saplicense -number NAME=${SAP_SYSTEM}\"
/bin/su - ${SIDADM} -c \"/usr/sap/${SAP_SYSTEM}/SYS/exe/run/disp+work -v\"
/bin/su - ${SIDADM} -c \"file /usr/sap/${SAP_SYSTEM}/SYS/exe/run/disp+work\"
/bin/su - ${SIDADM} -c \"sh -c /usr/sap/${SAP_SYSTEM}/SYS/exe/run/ipclimits 2>&1\"
/bin/su - ${SIDADM} -c \"/usr/sap/${SAP_SYSTEM}/SYS/exe/run/saposcol -v\"
/bin/ls -al
/bin/su - ${SIDADM} -c \"/usr/sap/${SAP_SYSTEM}/SYS/exe/run/sapparar name=${SAP_
SYSTEM}
pf=${BASEDIR}/SYS/profile/${SAP_SYSTEM}_${INSTANCE}_${HOSTNAME} all\"
/bin/ls -al ${BASEDIR}/${INSTANCE}/work
```

Files Collected

The following files are collected:

```
/usr/sap/trans/bin/${FILE}
${BASEDIR}/SYS/profile/${FILE}
${BASEDIR}/SYS/profile/${FILE}
${ORA_HOME}/dbs/${FILE}
```

sbu

Collects Solstice Backup information.

Commands Collected

The following commands are collected:

```
/usr/sbin/nsr/mminfo -av
/usr/sbin/nsr/mminfo -aV
/usr/sbin/nsr/nsrls
/bin/ls -alF /nsr/index
/bin/ls -alLF /nsr/index
/bin/ls -alF /usr/sbin/nsr
/bin/ls -alF /usr/bin/nsr
/bin/ls -alF /dev/rmt
/bin/ls -alLF /dev/rmt
```

Files Collected

The following files are collected:

```
/nsr/logs/messages
/nsr/logs/daemon.log
/nsr/logs/summary
```

Directories Collected

The following directory is collected recursively:

```
/nsr/res
```

scextended

Collects extended Serengeti System Controller information.

Commands Collected

The following commands are collected:

```
${EXP_HOME}/bin/rprtfru.`uname -p` -b ${SC_NAME}:XXXXXX -x
/bin/ls -l ${EXP_SCINPUT_CONFIG}
```

In addition, the following commands are collected from the remote host:

```
showsc -v
showfru -r manr
showerrorbuffer -p
showplatform -v
showplatform -p frame
showplatform -d a
showplatform -d b
showplatform -d c
showplatform -d d
showdate -v
showdate -v -d a
showdate -v -d b
showdate -v -d c
showdate -v -d d
showlogs -v
showlogs -v -d a
showlogs -v -d b
showlogs -v -d c
showlogs -v -d d
showcodlicense -v
showcodusage -v
showcodlog -v
showerrorbuffer
showboards -e
showboards -p proms
showboards -v -p cpu
showboards -v -p memory
showboards -v
showboards -v -d a
showboards -v -d b
showboards -v -d c
showboards -v -d d
showboards -v -p board
showboards -v -p clock
```

```
showboards -v -p io
showboards -v -p power
showboards -v -p version
showcomponent -d a
showcomponent -d b
showcomponent -d c
showcomponent -d d
showenvironment -tv
showcomponent ${BOARD}
showchs -b
```

se3k

Collects StorEdge 3xxx product-line information in in-band mode.

Commands Collected

The following commands are collected:

```
format
format -e -d
sccli
ssdgrptd
```

Files Collected

The following file is collected:

```
/etc/rs_binding
```

Directories Collected

The following directories are collected recursively:

```
/etc/.ssagent__/*
/var/opt/SUNWsscs/*
```

se3kextended

Collects StorEdge 3xxx product-line information in out-of-band (OOB) mode.

Commands Collected

The following command is collected:

```
sccli
```

se61xx

Collects Sun StorEdge 6130 and 6140 information.

Commands Collected

The following commands are collected:

```
/opt/SUNWstade/bin/ras_admin
/opt/SUNWstade/bin/61*SupportData
```

Files Collected

The following files are collected:

```
/tmp/${SE61xx_NAME}_xtract.zip
${EXP_TMPDIR}/se61xx.log
```

se6320

Collects Sun StorEdge 6320 information.

Commands Collected

The following commands are collected:

```
/bin/ls -l ${EXP_SE6320INPUT_CONFIG}
/usr/sfw/bin/curl -t1 -O/tmp/response --http-user=%s --http-passwd=%s --proxy=off
\"http://%s:%s/?GET=RUNSS&comm=ras_admin+host_detail\
/usr/sfw/bin/curl -T300 --quiet -t1 -O/tmp/${SE6320_NAME}.tar --http-user=%s
--http-passwd=%s --proxy=off \"http://%s:%s/?GET=RUNSS&comm=se_extract+-r+-x\"
/usr/bin/rm /tmp/response
```

Files Collected

The following files are collected:

```
/tmp/response
/tmp/${SE6320_NAME}.tar
```

se6920

Collects Sun StorEdge 6920 information.

Commands Collected

The following commands are collected:

```
${EXP_HOME}/bin/curl `uname -p` --quiet -t1 -O/tmp/${SE6920_NAME}.tar
--http-user=%s
--http-passwd=%s --proxy=off \"https://%s:%s/?GET=RUNSS&comm=se_extract+-r+-x\"
/bin/ls -l ${EXP_SE6920INPUT_CONFIG}
rm /tmp/${SE6920_NAME}.tar
```

Files Collected

The following file is collected:

```
/tmp/${SE6920_NAME}.ta
```

sf15k_ndd

Collects network device driver information for Sun Fire 15K servers. The script collects driver information for the `scman` and `dman` services. The script collects data for all parameters of those drivers.

Commands Collected

The following commands are collected:

```
/usr/sbin/ndd /dev/$mod \?
/usr/sbin/ndd /dev/$mod $parm
```

sf15k_sc

Collects Sun Fire 15K System Controller information. Collects data for each domain and revisions for each lpost elf file found.

Commands Collected

The following commands are collected:

```
/opt/SUNWSMS/bin/smsversion -t
/bin/ls -laR /etc/opt/SUNWSMS/SMS/config
/opt/SUNWSMS/bin/showfailover
/opt/SUNWSMS/bin/showfailover -r
/opt/SUNWSMS/bin/showfailover -v
/opt/SUNWSMS/bin/showplatform
/opt/SUNWSMS/bin/showplatform -v
/opt/SUNWSMS/bin/showenvironment
/opt/SUNWSMS/bin/showdate -v
/opt/SUNWSMS/bin/marginclock
/opt/SUNWSMS/bin/marginvoltage
/opt/SUNWSMS/bin/showboards -v
/opt/SUNWSMS/bin/showbus
/opt/SUNWSMS/bin/showbus -v
/opt/SUNWSMS/bin/showcmdsync
/opt/SUNWSMS/bin/showcmdsync -v
/opt/SUNWSMS/bin/showdatasync -l
/opt/SUNWSMS/bin/showdatasync -v
/opt/SUNWSMS/bin/showcodusage -v
/opt/SUNWSMS/bin/showcodlicense -v
/usr/ccs/bin/mcs -p ${OBJ} | grep ${MOD}
/bin/getfacl /etc/opt/SUNWSMS/SMS/config/
/bin/getfacl /etc/opt/SUNWSMS/SMS/config/platform
/bin/getfacl /var/opt/SUNWSMS/adm/
/bin/getfacl /var/opt/SUNWSMS/adm/platform
/bin/getfacl /var/opt/SUNWSMS/adm/anonymous
/bin/getfacl /var/opt/SUNWSMS/data/
/opt/SUNWSMS/bin/sysid -d ${DOMAIN}
/opt/SUNWSMS/bin/showdate -v -d ${DOMAIN}
/opt/SUNWSMS/bin/showdevices -v -d ${DOMAIN}
/opt/SUNWSMS/bin/showobpparams -d ${DOMAIN}
/opt/SUNWSMS/bin/showkeyswitch -d ${DOMAIN}
/opt/SUNWSMS/bin/sysid -d /var/opt/SUNWSMS/data/${DOMAIN}/idprom.image
/bin/getfacl /etc/opt/SUNWSMS/SMS/config/${DOMAIN}
/bin/getfacl /var/opt/SUNWSMS/adm/${DOMAIN}
/bin/getfacl /var/opt/SUNWSMS/data/${DOMAIN}
/opt/SUNWSMS/bin/flashupdate -f ${OBPIMG} -n SC${sc}/FP0
/opt/SUNWSMS/bin/flashupdate -f ${POSTIMG} -n SC${sc}/FP1
/opt/SUNWSMS/bin/flashupdate -f ${SBIMG} -n ${sb}
/opt/SUNWSMS/bin/showlogs -E -p e
```

In addition, the following command is collected for each discovered field replaceable unit (FRU):

```
/opt/SUNWSMS/bin/showchs -v -c ${fru}
```

Files Collected

The following files are collected:

```
/var/opt/SUNWSMS/adm/.logger
/var/sadm/system/logs/smsbackup
/etc/opt/SUNWSMS/config/.fomd_uids.cf
/etc/opt/SUNWSMS/config/platform/.postrc
/etc/opt/SUNWSMS/config/${DOMAIN}/.postrc
/var/opt/SUNWSMS/adm/mess*
/var/opt/SUNWSMS/adm/platform/mess*
/var/opt/SUNWSMS/adm/platform/trace/tracejournal
/var/opt/SUNWSMS/adm/platform/trace/tracejournal.0
/var/opt/SUNWSMS/adm/platform/trace/tracejournal.1
/var/opt/SUNWSMS/adm/platform/trace/tracejournal.2
```

Directories Collected

The following directories are collected:

```
/var/opt/SUNWSMS/.pcd
/var/opt/SUNWSMS/adm/platform/dump
/var/opt/SUNWSMS/data/LockDump
/var/opt/SUNWSMS/data/${DOMAIN}
/var/opt/SUNWSMS/.lock/${DOMAIN}
```

In addition, the following directories are collected recursively:

```
/var/opt/SUNWSMS/adm/anonymous
/etc/opt/SUNWSMS/SMS
/var/opt/SUNWSMS/adm/${DOMAIN}
```

smfextended

Collects Solaris 10 Service Management Facility (SMF) files. This script runs only on user request.

Files Collected

The following files are collected:

```
/etc/svc/volatile/*.log
${ZONEPATH}/root/etc/svc/volatile/*.log
```

Directories Collected

The following directories are collected recursively:

```
/var/svc
${ZONEPATH}/root/var/svc
```

sonoma

Collects Sun StorEdge A3X00 information. Collects additional data for each logical unit number (LUN).

Commands Collected

The following commands are collected:

```
/usr/bin/ls -l /dev/osa/dev/dsk/*
/usr/bin/ls -l /dev/osa/dev/rdsk/*
${OSABIN}/healthck -a
${OSABIN}/lad
${OSABIN}/drivutil -d "\"${i}\""
${OSABIN}/drivutil -i "\"${i}\""
${OSABIN}/drivutil -I "\"${i}\""
${OSABIN}/drivutil -l "\"${i}\""
${OSABIN}/rdacutil -i "\"${i}\""
${OSABIN}/raidutil -c "\"${i}\"" -i
${OSABIN}/raidutil -c "\"${i}\"" -V 0
${OSABIN}/raidutil -c "\"${i}\"" -B
${OSABIN}/nvutil -v "\"${i}\""
${OSABIN}/storutil -c "\"${i}\"" -d
/usr/lib/osa/bin/perfutil -c "\"${i}\"
```

Files Collected

The following files are collected:

```
/usr/lib/osa/rmparams
/usr/lib/osa/rmlog.*
/usr/lib/osa/rdac_address
/etc/osa/mnf
```

srscextended

Collects information from Sun Remote System Controller.

Commands Collected

The following command is collected:

```
ls -l ${EXP_SRSCINPUT_CONFIG}
```

In addition, the following commands are collected from the remote host:

```
showenvironment -v
show
showdate
loghistory
usershow
consolehistory
version -v
```

ssa

Collects SPARCstorage Array information. Data is collected for each SPARCstorage Array found.

Commands Collected

The following commands are collected:

```
$SSAADM -v display ${SSA}
$SSAADM display $diskpath
```

ssp

Collects E10K System Service Processor (SSP) information. Data is collected for all system and I/O boards. Also collects control board data.

Commands Collected

The following commands are collected:

```
${SSPBIN}/domain_status
${SSPBIN}/showfailover
/usr/bin/ls -lia /tftpboot
${SSPBIN}/fan
${SSPBIN}/power
${SSPBIN}/sys_clock
${SSPBIN}/hostinfo -F
${SSPBIN}/hostinfo -S
${SSPBIN}/hostinfo -h
${SSPBIN}/hostinfo -p
${SSPBIN}/hostinfo -t
${SSPBIN}/board_id -b io -n $i
${SSPBIN}/board_id -b mem -n $i
${SSPBIN}/board_id -b sb -n $i
${SSPBIN}/board_id -b cb -n $i
${SSPBIN}/board_id -b csb -n $i
${SSPBIN}/board_id -b cp -n $i
${SSPBIN}/cb_prom -r -h $i
${SSPBIN}/sys_id -d
${SSPBIN}/check_host
```

In addition, the following command is collected for SSP 3.5 and later:

```
${SSPBIN}/domain_status -m
```

Files Collected

The following files are collected:

```
~ssp/.postrc
${SSPVAR}/*.out*
$SSP_PRIVATE/cb_config
$SSP_PRIVATE/domain_config
$SSP_PRIVATE/ssp_resource
$SSP_PRIVATE/ssp_to_domain_hosts
$SSP_PRIVATE/main_ssp_name
/var/tmp/autoconfig.log
```

Directories Collected

The following directories are collected:

```
$SSPVAR/etc/$PLATFORM
${SSPVAR}/etc/${PLATFORM}/${SUNW_HOSTNAME}
```

In addition, the following directories are collected recursively:

```
${SSPVAR}/adm
${SSPVAR}/etc
${SSPVAR}/data
```

st25xx

Collects Sun StorEdge ST2510, ST2530 and ST2540 information.

Commands Collected

The following commands are collected:

```
/opt/SUNWsefms/bin/ras_admin
/opt/SUNWsefms/bin/supportData
```

st5800

Collects information from ST5800 (which consists of multiple nodes running Solaris OS, couple of switches running Linux OS and Service processor running Solaris OS). This script runs by default on the ST5800 system.

> **Note:** Specify alternate directory for gathering Explorer output if the default output directory does not have enough space to store ST5800 output.

Commands Collected

The following command is collected:

```
/opt/honeycomb/extractor/extractor.pl
```

storade

Collects StorADE information.

Commands Collected

The following commands are collected:

```
${STOR_PATH}/bin/ras_admin site_info
${STOR_PATH}/bin/ras_admin host_list
${STOR_PATH}/bin/ras_admin host_detail
${STOR_PATH}/bin/ras_admin device_list
${STOR_PATH}/bin/ras_admin device_detail
${STOR_PATH}/bin/ras_admin review_config
${STOR_PATH}/bin/ras_admin login_list
${STOR_PATH}/bin/ras_admin report_list
${STOR_PATH}/bin/ras_admin alert_list
${STOR_PATH}/bin/ras_admin event_list
${STOR_PATH}/bin/ras_admin topo_list
${STOR_PATH}/bin/ras_revcheck -M ALL
${STOR_PATH}/bin/ras_admin report -k ${REP_KEY} -h ${HOST}
```

Directories Collected

The following directories are collected recursively:

```
/opt/SUNWstade/DATA
/opt/SUNWrasag/DATA
```

storedge

Collects Sun StorEdge information.

Commands Collected

The following commands are collected:

```
${ASDIR/sbin}/iiadm -i all
/usr/opt/SUNWesm/sbin/nvmadm -v
${ASDIR}/sbin/dsstat
/usr/opt/SUNWesm/SUNWnvm/sbin/fwcadm nvram -s
${ASDIR}/sbin/sbin/svadm
${ASDIR}/sbin/scmadm
/usr/opt/SUNWesm/SUNWrdc/sbin/rdcadm -p
/usr/opt/SUNWesm/SUNWte/sbin/steconf
/usr/opt/SUNWesm/SUNWte/sbin/steadm -c
/usr/opt/SUNWesm/SUNWnvm/sbin/fwcadm nvram -s
${ASDIR}/sbin/sndradm -i
${ASDIR}/sbin/sndradm -p
${ASDIR}/sbin/sndradm -P
/usr/opt/SUNWesm/SUNWrdc/sbin/sndrstat
/usr/opt/SUNWesm/SUNWnvm/sbin/nvmadm -v
${ASDIR}/sbin/dscfgadm -i
${ASDIR}/sbin/dscfg -l
${ASDIR}/sbin/dscfg
/${ASDIR}/sbin/iiadm -g -L | /usr/bin/xargs -i -t /usr/opt/SUNWesm/sbin/iiadm -g
{} -l
${SECFG}/bin/getcabinet
${SECFG}/bin/checkdefaultconfig -v
${SECFG}/bin/showt3 -n ALL
${SECFG}/bin/showswitch -s sw1a
${SECFG}/bin/showswitch -s sw1b
${SECFG}/bin/showswitch -s sw2a
${SECFG}/bin/showswitch -s sw2b
${SECFG}/bin/listavailable -s -t -v
${SECFG}/bin/showvemap -n v1 -l
${SECFG}/bin/showvemap -n v2 -l
${SECFG}/bin/listt3slice -n ALL -s -v
${SECFG}/bin/listt3slice -n ALL -l -v
${SECFG}/bin/listt3slice -n ALL -p -v
${SECFG}/bin/listt3slice -n ALL -m -v
${SECFG}/flib/capture 192.168.0.30
${SECFG}/flib/capture 192.168.0.31
${SECFG}/flib/capture 192.168.0.32
${SECFG}/flib/capture 192.168.0.33
${SECFG}/bin/listt3map -l -n ${T3B}
${SECFG}/bin/listt3map -u -n ${T3B}
${SECFG}/bin/listt3map -t -n ${T3B} -v ${T3VOL}
${SECFG}/bin/listt3map -b -n ${T3B} -v ${T3VOL}
${SECFG}/bin/listt3map -s -n ${T3B}
${SECFG}/bin/listt3map -f -n ${T3B}
${SECFG}/bin/listt3map -i -n ${T3B}
${SECFG}/bin/listt3map -a -n ${T3B}
${SECFG}/bin/listt3map -c -n ${T3B}
${SECFG}/bin/listt3map -c -n ${T3B}
${SECFG}/bin/listt3map -g -n ${T3B}
${SECFG}/bin/listt3map -w -n ${T3B} -p ${WWNG}
${SECFG}/bin/listt3map -w -n ${T3B}
${SECFG}/bin/checkslicd -n v1
```

```
${SECFG}/bin/checkslicd -n v2
/opt/svengine/sduc/mpdrive view -d v1
/opt/svengine/sduc/mpdrive view -d v2
/opt/svengine/sduc/svstat -d v1
/opt/svengine/sduc/svstat -d v2
/opt/svengine/sduc/sreadlog -d v1 -v
/opt/svengine/sduc/sreadlog -d v2 -v
```

If the SUNWesmportal package is installed, the following additional command is collected for i equals 0 to 9:

```
/usr/bin/tail -1000 /var/opt/SUNWesmportal/util/pgsql/portaldb.log.${i}
```

In addition, if the SUNWesmportal package is installed, the following commands are collected:

```
/usr/bin/tail -1000000c
/opt/SUNWesmportal/util/pgsql/portal/backup/${LATESTLOG}
/usr/bin/tail -1000000c /var/opt/SUNWcacao/logs/cacao.0
/usr/sbin/smcwebserver -V
```

If the SUNWesmportal package and the SUNWwbsvr package are installed, the following additional commands are collected:

```
usr/bin/tail -1000000c /opt/SUNWwbsvr/${HTTPHOSTNAME}/logs/errors
/usr/bin/tail -1000000c /opt/SUNWwbsvr/${HTTPHOSTNAME}/logs/access
```

Files Collected

The following files are collected:

```
${ASLOG}/ds.log
/etc/opt/SUNWii/iitab
/etc/opt/SUNWrdc/rdc.cf
/etc/opt/SUNWrdc/rdc_ii.cf
/etc/opt/SUNWscm/sd.cf
/etc/opt/SUNWspsv/sv.cf
/var/adm/log/SEcfglog
/var/adm/messages.t3
/opt/svengine/sdus/IPCLOG
/opt/svengine/sdus/svengine.cfg
/opt/svengine/sdus/v1_SLICERR.log
/opt/svengine/sdus/v2_SLICERR.log
```

If the SUNWesmportal package is installed, the following additional files are collected:

```
/var/sadm/install/logs/smportal.log
/var/opt/SUNWesmportal/util/pgsql/portaldb.log
```

If the SUNWesmportal package and the SUNWwbsvr package are installed, the following additional file is collected:

```
/opt/SUNWwbsvr/${HTTPHOSTNAME}/logs/pid
```

Directories Collected

The following directories are collected:

```
/var/opt/SUNWesm
/var/opt/SUNWesm/log
/etc/opt/SUNWte
/var/opt/SUNWte
```

In addition, the following directory is collected recursively:

```
${SECFG}/etc/*
```

If the SUNWesmportal package is installed, the following additional directories are collected:

```
/var/opt/SUNWam/debug
/var/opt/SUNWam/logs
```

If the SUNWbaconf package is installed, the following additional directories are collected:

```
/var/opt/SUNWbaconf/logs
/var/opt/SUNWbaconf/share
/var/opt/SUNWbaconf/share/apps
/var/opt/SUNWbaconf/share/license
/var/opt/SUNWbaconf/share/logs
/var/opt/SUNWbaconf/share/messages
/var/opt/SUNWbaconf/share/state
```

If the SUNWrrm package is installed, the following additional directories are collected:

```
/opt/SUNWrrm/etc
/opt/SUNWrrm/etc/bui
/opt/SUNWrrm/etc/server
/var/opt/SUNWrrm/datastore
/var/opt/SUNWrrm/log
/var/opt/SUNWrrm/trace
/etc/opt/SUNWrrm
```

stortools

Collects StorTools 3.x information.

Files Collected

The following file is collected:

```
/var/opt/STORtools/logs/Golden_Snapshot*
```

sunjes

Collects JES product information.

Commands Collected

The following commands are collected:

```
prodreg browse -u "Java Enterprise System"
prodreg info -u "Java Enterprise System"
${SERVER_ROOT}/https-admserv/start -version
ls -d ${SERVER_ROOT}/https-*
${SERVER_ROOT}/proxy-admserv/start -version
ls -d ${SERVER_ROOT}/proxy-*
/usr/bin/imqadmin -v
${SERVER_ROOT}/appserver/bin/asadmin version
ls -d /var/opt/SUNWappserver/domains/*
/usr/sbin/directoryserver -listversions
```

```
ld -s ${SERVER_ROOT}/slapd*
pkgparam SUNWics5 VERSION
${SERVER_ROOT}/bin/version
```

Files Collected

The following files are collected:

```
/opt/SUNWics5/cal/config/ics.conf
/etc/opt/SUNWps/MAConfig.properties
/etc/opt/SUNWps/PSConfig.properties
/etc/opt/SUNWps/WEBLOGIC.bootstrapSystem.properties
/etc/opt/SUNWps/client-context.properties
/etc/opt/SUNWps/service-context.properties
/etc/opt/SUNWps/desktop/desktopconfig.properties
/etc/opt/SUNWps/portlet/PDConfig.properties
/etc/opt/SUNWps/portlet/userInfoMapping.properties
/etc/opt/SUNWps/wsrp/wsrpconsumerconfig.properties
```

Directories Collected

The following directories are collected:

```
${SERVER_ROOT}/userdb
${SERVER_ROOT}/https-*/logs
${SERVER_ROOT}/https-*/config
${SERVER_ROOT}/proxy-*/logs
${SERVER_ROOT}/proxy-*/config
/var/opt/SUNWappserver/domains/*/logs
/var/opt/SUNWappserver/domains/*/config
${SERVER_ROOT}/slapd*/logs
${SERVER_ROOT}/slapd*/config
/etc/opt/SUNWps/dtd
/var/opt/SUNWps/https-*/portal/config
/var/opt/SUNWps/https-*/portal/logs
```

sunone

Collects SunONE (iPlanet) configuration data.

Commands Collected

The following commands are collected:

```
/bin/ls -alr /etc/opt/SUNWips/cert
/bin/ls -l ${SERVER_ROOT}/SUNWips/public_html
/bin/ls -lrt /etc/opt/SUNWips
/usr/bin/egrep -e starting ${SERVER_ROOT}/${INSTANCE}/log/default/default*
/usr/bin/egrep ersion ${SERVER_ROOT}/${INSTANCE}/log/default/default
/usr/bin/sum ${SERVER_ROOT}/ias/classes/java/*
/usr/bin/sum ${SERVER_ROOT}/ias/gxlib/*
/usr/bin/sum ${SERVER_ROOT}/ias/java/jars/ias60.jar
/usr/bin/sum ${SERVER_ROOT}/nas/classes/java/*
/usr/bin/sum ${SERVER_ROOT}/nas/gxlib/*
/usr/bin/sum ${SERVER_ROOT}/nas/java/jars/nas40.jar
/usr/bin/tail -2000 /var/opt/SUNWips/auth/${FILE}
/usr/bin/tail -2000 /var/opt/SUNWips/debug/${FILE}
/usr/bin/tail -2000 /var/opt/SUNWips/logs/${FILE}
/usr/bin/tail -2000 ${SERVER_ROOT}/${INSTANCE}/imta/mail.log_current
/usr/bin/tail -2000 ${SERVER_ROOT}/${INSTANCE}/log/default/default
```

```
/usr/bin/tail -2000 ${SERVER_ROOT}/${INSTANCE}/log/http/http
/usr/bin/tail -2000 ${SERVER_ROOT}/${INSTANCE}/log/imap/imap
/usr/bin/tail -2000 ${SERVER_ROOT}/${INSTANCE}/log/imta/mail.log_current
/usr/bin/tail -2000 ${SERVER_ROOT}/${INSTANCE}/log/pop/pop
/usr/bin/tail -2000 ${SERVER_ROOT}/${INSTANCE}/log/smtp/smtp
/usr/bin/tail -2000 ${SERVER_ROOT}/${INSTANCE}/logs/access
/usr/bin/tail -2000 ${SERVER_ROOT}/${INSTANCE}/logs/errors
/usr/bin/tail -2000 ${SERVER_ROOT}/ias/logs/${FILE}
/usr/bin/tail -2000 ${SERVER_ROOT}/ias/logs/ias.log
/usr/bin/tail -2000 ${SERVER_ROOT}/nas/logs/${FILE}
/usr/bin/tail -2000 ${SERVER_ROOT}/nas/logs/kas.log
/usr/sbin/svccfg -s coreadm:default listprop config_params/*
/usr/sbin/svccfg -s dumpadm:default listprop config_params/*
${J_HOME}/bin/java -fullversion
${JAVA_DIR}/bin/java -fullversion
${SERVER_ROOT}/${INSTANCE}/configutil
${SERVER_ROOT}/${INSTANCE}/configutil
${SERVER_ROOT}/${INSTANCE}/imsimta version
${SERVER_ROOT}/bin/https/bin/ns-httpd -v
${SERVER_ROOT}/bin/slapd/server/ns-slapd -D ${SERVER_ROOT}/${INSTANCE} -V
${SERVER_ROOT}/bin/slapd/server/ns-slapd -V -f ${SERVER_
ROOT}/${INSTANCE}/config/slapd.conf
${SERVER_ROOT}/ias/bin/version
${SERVER_ROOT}/ias/usr/java/bin/java -fullversion
${SERVER_ROOT}/nas/bin/version
${SERVER_ROOT}/nas/usr/java/bin/java -fullversion
${SERVER_ROOT}/netscape/directory4/slapd-`hostname`/db2ldif explorer_ldif
${SERVER_ROOT}/SUNWips/bin/ipsadmin get component iplanet.com
${SERVER_ROOT}/SUNWips/bin/ipsadmin get component iwtGateway
${SERVER_ROOT}/SUNWips/bin/ipsserver version
```

Files Collected

The following files are collected:

```
${SERVER_ROOT}/ias/bin/beanreg
${SERVER_ROOT}/ias/bin/kjs
${SERVER_ROOT}/ias/bin/kxs
${SERVER_ROOT}/ias/bin/kas
${SERVER_ROOT}/ias/bin/kcs
${SERVER_ROOT}/ias/env/iasenv.ksh
${SERVER_ROOT}/ias/bin/iascontrol
${SERVER_ROOT}/ias/bin/KIVAes.sh
${SERVER_ROOT}/ias/registry/reg.dat
${SERVER_ROOT}/ias/bin/kregedit
${SERVER_ROOT}/ias/bin/kreg
${SERVER_ROOT}/ias/bin/j2eeappreg
${SERVER_ROOT}/ias/bin/iasdeploy
${SERVER_ROOT}/ias/bin/resreg
${SERVER_ROOT}/ias/bin/beanreg
${SERVER_ROOT}/ias/bin/dsreg
${SERVER_ROOT}/ias/bin/servletReg.sh
${SERVER_ROOT}/ias/bin/ejbreg
${SERVER_ROOT}/ias/bin/redeploy
${SERVER_ROOT}/ias/bin/webappreg
${SERVER_ROOT}/ias/bin/convertNtv2Xml
${SERVER_ROOT}/ias/bin/convertProps2Xml
${SERVER_ROOT}/ias/bin/ejbc
${SERVER_ROOT}/ias/bin/deploycmd
${SERVER_ROOT}/ias/bin/ksvradmin
```

```
${SERVER_ROOT}/ias/bin/deploytool
${SERVER_ROOT}/ias/bin/redeploy
${SERVER_ROOT}/nas/bin/kjs
${SERVER_ROOT}/nas/bin/kxs
${SERVER_ROOT}/nas/bin/kas
${SERVER_ROOT}/nas/bin/kcs
${SERVER_ROOT}/nas/env/iasenv.ksh
${SERVER_ROOT}/nas/bin/iascontrol
${SERVER_ROOT}/nas/bin/KIVAes.sh
${SERVER_ROOT}/nas/registry/reg.dat
${SERVER_ROOT}/nas/bin/kregedit
${SERVER_ROOT}/nas/bin/kreg
${SERVER_ROOT}/nas/bin/j2eeappreg
${SERVER_ROOT}/nas/bin/iasdeploy
${SERVER_ROOT}/nas/bin/beanreg
${SERVER_ROOT}/nas/bin/resreg
${SERVER_ROOT}/nas/bin/dsreg
${SERVER_ROOT}/nas/bin/servletReg.sh
${SERVER_ROOT}/nas/bin/ejbreg
${SERVER_ROOT}/nas/bin/redeploy
${SERVER_ROOT}/nas/bin/webappreg
${SERVER_ROOT}/nas/bin/convertNtv2Xml
${SERVER_ROOT}/nas/bin/convertProps2Xml
${SERVER_ROOT}/nas/bin/ejbc
${SERVER_ROOT}/nas/bin/deploycmd
${SERVER_ROOT}/nas/bin/ksvradmin
${SERVER_ROOT}/nas/bin/deploytool
${SERVER_ROOT}/nas/bin/redeploy
${SERVER_ROOT}/nas/bin/deployGUI
${SERVER_ROOT}/nas/userinput.log
${SERVER_ROOT}/nas/java/jars/nas40.jar
${SERVER_ROOT}/ias/userinput.log
${SERVER_ROOT}/ias/classes/java/ias60.jar
${SERVER_ROOT}/${INSTANCE}/start*
/etc/opt/SUNWips/.wtpass
/etc/opt/SUNWips/.application
/etc/opt/SUNWips/.version
/etc/opt/SUNWips/.version-orig
/etc/opt/SUNWips/platform.conf
${SERVER_ROOT}/SUNWips/bin/ipsnetletd
${SERVER_ROOT}/SUNWips/bin/ipshttpd
/etc/S*ipsserver
/etc/init.d/ipsgateway
/etc/init.d/ipsserver
/etc/init.d/ipsnetletd
/etc/init.d/ipshttpd
/etc/coreadm.conf
/etc/named.pid
/etc/dumpadm.conf
/etc/system
/etc/opt/SUNWips/properties.file
/etc/opt/SUNWips/platform.*
${SERVER_ROOT}/netscape/directory4/bin/slapd/server/explorer_ldif
${SERVER_ROOT}/${NET_DIR}/${INSTANCE}/start-jvm
${SERVER_ROOT}/${NET_DIR}/${INSTANCE}/start
${SERVER_ROOT}/${NET_DIR}/${INSTANCE}/start
${SERVER_ROOT}/${NET_DIR}/${INSTANCE}/start
${SERVER_ROOT}/${INSTANCE}/start-jvm
${SERVER_ROOT}/${INSTANCE}/start
${SERVER_ROOT}/${INSTANCE}/start
```

```
${SERVER_ROOT}/httpacl/*
${SERVER_ROOT}/userdb/*
```

Directories Collected

The following directories are collected:

```
${SERVER_ROOT}/${INSTANCE}/config
${SERVER_ROOT}/${INSTANCE}/logs
```

In addition, the following directories are collected recursively:

```
${SERVER_ROOT}/SUNWips/lib
/etc/opt/SUNWips/cert
/etc/opt/SUNWips/auth
/etc/opt/SUNWips/xml
/etc/qlog
/etc/cron.d
/etc/dfs
/etc/saf
/var/opt/SUNWips
/var/sadm/install/logs
${SERVER_ROOT}/SUNWips/public_html
${SERVER_ROOT}/${NET_DIR}/${INSTANCE}/config/
${SERVER_ROOT}/${NET_DIR}/${INSTANCE}/logs/
${SERVER_ROOT}/${NET_DIR}/${INSTANCE}/config/
${SERVER_ROOT}/${NET_DIR}/${INSTANCE}/logs/
${SERVER_ROOT}/${NET_DIR}/${INSTANCE}/config/
${SERVER_ROOT}/${NET_DIR}/${INSTANCE}/logs/
${SERVER_ROOT}/${INSTANCE}/config/
${SERVER_ROOT}/${INSTANCE}/logs/
${SERVER_ROOT}/${INSTANCE}/config/
${SERVER_ROOT}/${INSTANCE}/logs/
${SERVER_ROOT}/shared/config
${SERVER_ROOT}/${INSTANCE}/config
${SERVER_ROOT}/${INSTANCE}/config
${SERVER_ROOT}/shared/config
${SERVER_ROOT}/${INSTANCE}/imta/config
${SERVER_ROOT}/shared/config
```

sunray

Collects Sun Ray server information.

Commands Collected

The following commands are collected:

```
/etc/opt/SUNWut/jre/bin/java -version
/opt/SUNWut/bin/utdiskadm -l -a
/opt/SUNWut/bin/utdiskadm -s -a
/opt/SUNWut/bin/utwho -Hac
/opt/SUNWut/bin/utwho -Hc
/opt/SUNWut/lib/utprodinfo
/opt/SUNWut/lib/utprop
/opt/SUNWut/sbin/utadm -x
/opt/SUNWut/sbin/utfwload -Ha
/opt/SUNWut/sbin/utusbadm
/opt/SUNWut/sbin/utgstatus
/opt/SUNWut/sbin/utreplica -l
```

```
/opt/SUNWut/sbin/utuser -L
/opt/SUNWut/sbin/utuser -L -g
/opt/SUNWut/sbin/utpolicy
/opt/SUNWut/sbin/utglpolicy
/opt/SUNWut/sbin/utadm -p
/opt/SUNWut/sbin/utcard -l
/opt/SUNWut/sbin/utdesktop -L -c
/opt/SUNWut/sbin/utdesktop -l -g
/opt/SUNWut/sbin/utmhadm
/opt/SUNWut/sbin/utfwadm -P
/opt/SUNWut/sbin/utsession -p
/opt/SUNWut/sbin/utcrypto -o
/opt/SUNWut/sbin/utreader
/opt/SUNWut/sbin/utresadm -o
/opt/SUNWut/sbin/utadm -l
/opt/SUNWut/sbin/utreplica -i
/opt/SUNWut/sbin/utsession -l
/bin/ls -lRt /tftpboot
/bin/ls -lRt /tmp/SUNWut
/bin/ls -lRt /var/opt/SUNWut
/bin/ls -lRt /var/opt/SUNWconn
/bin/ls -lRt /etc/opt/SUNWut
/bin/ls -lRt /etc/opt/SUNWconn
/bin/ls -lRt /opt/SUNWut
/usr/sbin/dhtadm -P
/usr/sbin/pntadm -P ${NET}
/usr/sbin/pntadm -P ${network}
/opt/SUNWut/sbin/utquery -d ${network}
/usr/sbin/pkgchk ${pkg}
/opt/SUNWut/bin/utxconfig -o
/opt/SUNWut/bin/utxconfig -o
/usr/bin/sum /etc/opt/SUNWut/utadmin.pw
/usr/bin/cksum /etc/opt/SUNWut/gmSignature
```

Files Collected

The following files are collected:

```
/var/opt/SUNWut/srds/log/utdsd.log*
/var/opt/SUNWut/srds/log/utdsd.pid
/var/opt/SUNWut/srds/log/utdsd.replog
/var/opt/SUNWut/srds/log/utpushd.log*
/var/opt/SUNWut/srds/log/utpulld.log*
/var/opt/SUNWut/srds/replog/utpulld.status
/var/opt/SUNWut/srds/replog/utpushd.status
/etc/opt/SUNWut/srds/current/utdsd.conf
/etc/opt/SUNWut/srds/current/utdsd.ini
/etc/opt/SUNWut/auth.props
/etc/opt/SUNWut/auth.props.bak
/var/tmp/SUNWut/utpreserve.tar
/etc/opt/SUNWut/utsettings_defaults.properties
/etc/opt/SUNWut/utsettings_mandatory.properties
/etc/opt/SUNWut/utadmin.conf
/etc/opt/SUNWut/policy/utpolicy
/etc/opt/SUNWconn/ldap/current/dsnmprad.conf
/etc/opt/SUNWconn/ldap/current/dsnmpserv.conf
/etc/opt/SUNWconn/ldap/current/dsserv.acl.conf
/etc/opt/SUNWconn/ldap/current/dsserv.at.conf
/etc/opt/SUNWconn/ldap/current/dsserv.at.ut.conf
/etc/opt/SUNWconn/ldap/current/dsserv.conf
```

```
/etc/opt/SUNWconn/ldap/current/dsserv.ini
/etc/opt/SUNWconn/ldap/current/dsserv.oc.conf
/etc/opt/SUNWconn/ldap/current/dsserv.oc.ut.conf
/etc/opt/SUNWconn/ldap/current/dswebfilter.conf
/etc/opt/SUNWconn/ldap/current/dswebfriendly.conf
/etc/opt/SUNWconn/ldap/current/ldapfilter.conf
/etc/opt/SUNWconn/ldap/current/ldapsync.conf
/etc/opt/SUNWconn/ldap/current/ldaptemplates.conf
/var/opt/SUNWut/log/admin_log*
/var/opt/SUNWut/log/auth_log*
/var/opt/SUNWut/log/messages*
/var/opt/SUNWconn/ldap/log/*.log
/var/opt/SUNWconn/ldap/log/dsserv.replog
/var/opt/SUNWconn/ldap/replog/dspushd.replog
/var/opt/SUNWconn/ldap/replog/dspulld.status
/var/http/utadmin/websites/default_site/logs
/etc/dt/config/Xservers
/etc/dt/config/Xconfig
/etc/dt/config/Xreset
/etc/dt/config/Xsetup
/var/dhcp/dhcptab
/etc/dt/config/Xservers.SUNWut.prototype
/etc/dt/config/Xconfig.SUNWut.prototype
/usr/dt/config/Xstartup
/var/dt/Xpid
/var/dt/Xerrors
/etc/dt/config/sessionetc
/var/tmp/utinstall.*.log
/var/tmp/utconfig.*.log
/var/opt/SUNWut/tmp/utreplica.*.log
/var/adm/log/ut*
```

Directories Collected

The following directory is collected:

```
var/opt/SUNWut/ndbm
```

In addition, the following directory is collected recursively:

```
/var/opt/SUNWut/kiosk
```

sysconfig

Collects system configuration information. Also checks values set in /etc/system and collects data for all core files found and for each class dispatch table. Also collects directory listings of coreadm command "global core file pattern" for global and local zones.

Commands Collected

The following commands are collected:

```
/bin/ls -al ${CRASHDIR}
/bin/ls -l /kernel
/bin/ls -l /platform/${ARCH}/kernel
/bin/ls -l /var/opt/SUNWldm
/bin/ls -lR /kernel/drv
/bin/ls -lR /platform/`uname -i`/kernel/drv
/bin/ls -lR /platform/`uname -m`/kernel/drv
```

```
/bin/ls -lR /usr/kernel/drv
/opt/CTEact/bin/act -d ${CRASHDIR}/vmcore.${LAST} -n ${CRASHDIR}/unix.${LAST}
/opt/CTEactx/bin/act -d ${CRASHDIR}/vmcore.${LAST} -n ${CRASHDIR}/unix.${LAST}
/opt/SUNWldm/bin/ldm -V
/opt/SUNWldm/bin/ldm list -l
/opt/SUNWldm/bin/ldm list -l -p
/opt/SUNWldm/bin/ldm list-devices -a
/opt/SUNWut/sbin/utadm -p
/usr/bin/coreadm
/usr/bin/echo ::fcptrace | /usr/bin/mdb -k
/usr/bin/echo ::fptrace | /usr/bin/mdb -k
/usr/bin/echo "$<msgbuf" | /usr/bin/mdb -k ${unixfile} ${core}
/usr/bin/echo \"::interrupts\" | /usr/bin/mdb -k (sysconfig/interrupts)
/usr/bin/echo \"::softint\" | /usr/bin/mdb -k (sysconfig/softint)
/usr/bin/echo \"::vecint\" | /usr/bin/mdb -k (sysconfig/vecint)
/usr/bin/echo lgrp_mem_default_policy/X | /usr/bin/mdb -k
/usr/bin/echo nlgrps/X | /usr/bin/mdb -k
/usr/bin/egrep -e "rmt|DLT"
/usr/bin/env
/usr/bin/iostat -En
/usr/bin/ipcs -A
/usr/bin/ipcs -a
/usr/bin/isainfo
/usr/bin/isainfo -kv
/usr/bin/last -100
/usr/bin/last -20 reboot
/usr/bin/last reboot
/usr/bin/lgrpinfo -a
/usr/bin/locale
/usr/bin/ls -l `/usr/bin/dirname` ${COREPATTERN}`
/usr/bin/poolstat
/usr/bin/priocntl -d -i class RT
/usr/bin/priocntl -l
/usr/bin/prstat -L 1 1
/usr/bin/ps -acefl
/usr/bin/ps -aceflZ -o
f,s,zone,user,pid,ppid,class,pri,addr,osz,wchan,stime,tty,time,comm
(sysconfig/ps-aceflZ)
/usr/bin/ps -aefl -o user,pid,ppid,project,zone,class,pri,lwp,psr,pset,pmem,etime,
/usr/bin/ps -ef
/usr/bin/ps -efPljyZ -o
s,zone,user,pid,ppid,pgid,sid,psr,c,opri,nice,rss,vsz,wchan,stime,tty,time,comm
(sysconfig/ps-efPljyZ)
/usr/bin/ps -efZ -o zone,user,pid,ppid,c,stime,tty,time,comm (sysconfig/ps-efZ)
/usr/bin/smbios -i 1
/usr/bin/stclient -x
/usr/bin/strings $core | head
/usr/bin/svcprop '*'
/usr/bin/svcs -av
/usr/bin/svcs -l \*
/usr/bin/svcs -xv
/usr/bin/uname -a
/usr/bin/uname -X
/usr/bin/uptime
/usr/bin/vmstat 3 3
/usr/bin/who -b
/usr/ccs/bin/nm /dev/ksyms | egrep -e $mod
/usr/kvm/prtdiag -v
/usr/platform/${ARCH}/sbin/prtdiag -v
/usr/platform/${SYSNAME}/sbin/prtdiag -v
```

```
/usr/proc/bin/ptree root
/usr/sbin/apconfig -D
/usr/sbin/apconfig -N
/usr/sbin/apconfig -N -u
/usr/sbin/apconfig -S
/usr/sbin/apconfig -S -u
/usr/sbin/apinst
/usr/sbin/cfgadm -al -o show_FCP_dev
/usr/sbin/cfgadm -alv
/usr/sbin/cfgadm -alv -o show_FCP_dev
/usr/sbin/cfgadm -l -o show_FCP_dev
/usr/sbin/cfgadm -lv
/usr/sbin/cfgadm -lv -o show_FCP_dev
/usr/sbin/cfgadm -x passthru -o showlpa ${BOARD_NO}
/usr/sbin/dispadmin -c ${CLASS} -g
/usr/sbin/dispadmin -l
/usr/sbin/dumpadm
/usr/sbin/eeprom
/usr/sbin/fcinfo hba-port -1
/usr/sbin/fcinfo remote-port -p <HBA_WWN> -ls
/usr/sbin/hotplug list -l (sysconfig/hotplug_list_-l)
/usr/sbin/hotplug list -v (sysconfig/hotplug_list_-v)
/usr/sbin/ifconfig -a
/usr/sbin/ifconfig -a modlist
/usr/sbin/inetadm
/usr/sbin/ipsecconf
/usr/sbin/ipsecconf -ln
/usr/sbin/lockstat sleep 5
/usr/sbin/lom -a
/usr/sbin/lom -c
/usr/sbin/lom -e
/usr/sbin/lom -l
/usr/sbin/lufslist $be (boot environment)
/usr/sbin/lustatus
/usr/sbin/modinfo
/usr/sbin/modinfo -c
/usr/sbin/ntpq -p
/usr/sbin/pcitool -v (sysconfig/pcitool-v)
/usr/sbin/pmadm -L
/usr/sbin/pooladm
/usr/sbin/prtconf -F
/usr/sbin/prtconf -V
/usr/sbin/prtconf -v
/usr/sbin/prtconf -vD
/usr/sbin/prtconf -vp
/usr/sbin/prtpicl -v
/usr/sbin/psrinfo -pv
/usr/sbin/psrinfo -v
/usr/sbin/psrset -i
/usr/sbin/psrset -p
/usr/sbin/psrset -q
/usr/sbin/sacadm -L
/usr/sbin/smbios
/usr/sbin/smbios -w
/usr/sbin/svccfg list
/usr/sbin/sysdef
/usr/sbin/sysdef -d
/usr/ucb/ps -axuwww
$cest_dir/opt/SUNWcest/bin/cediag -A
$cest_dir/opt/SUNWcest/bin/cediag -v
```

```
$cest_dir/opt/SUNWcest/bin/cestat -v
$RSCADM date
$RSCADM loghistory
$RSCADM show
$RSCADM usershow
$RSCADM version -v
$SCADM date
$SCADM loghistory
$SCADM show
$SCADM shownetwork
$SCADM usershow
$SCADM version -v
echo "::numaio_group -c" | mdb -k
echo "::numaio_group -o all" | mdb -k
echo "::numaio_group" | mdb -k
echo "\$G;\$<threadlist" | /usr/bin/mdb -k /dev/ksyms /dev/mem
HBA_WWN port no is taken from previous command output
prtdiag -v (/usr/sbin, /usr/platform/<arch>/bin,/usr/platform//sbin, /usr/kvm)
sho/usr/sbin/poolcfg -dc info
time,tty,args
zlogin ${ZONENAME} '/usr/sbin/inetadm'
zlogin ${ZONENAME} '/usr/sbin/psrinfo -pv'
zlogin ${ZONENAME} '/usr/bin/coreadm'
zlogin ${ZONENAME} '/usr/bin/ipcs -a'
zlogin ${ZONENAME} '/usr/bin/last -100'
zlogin ${ZONENAME} '/usr/bin/last -20 reboot'
zlogin ${ZONENAME} '/usr/bin/last reboot'
zlogin ${ZONENAME} '/usr/bin/locale'
zlogin ${ZONENAME} '/usr/bin/ls -l `/usr/bin/dirname ${COREPATTERN}`'
zlogin ${ZONENAME} '/usr/bin/prctl -n zone.cpu-shares -i zone global'
zlogin ${ZONENAME} '/usr/bin/priocntl -l'
zlogin ${ZONENAME} '/usr/bin/ps -acefl'
zlogin ${ZONENAME} '/usr/bin/ps -aceflZ
zlogin ${ZONENAME} '/usr/bin/ps -axuwww'
zlogin ${ZONENAME} '/usr/bin/ps -AZ'
zlogin ${ZONENAME} '/usr/bin/ps -aZ'
zlogin ${ZONENAME} '/usr/bin/ps -ef'
zlogin ${ZONENAME} '/usr/bin/ps -efPljy'
zlogin ${ZONENAME} '/usr/bin/ps -efpljyZ'
zlogin ${ZONENAME} '/usr/bin/ps -efZ'
zlogin ${ZONENAME} '/usr/bin/ptree -z global root'
zlogin ${ZONENAME} '/usr/bin/svccfg list'
zlogin ${ZONENAME} '/usr/bin/svcs -av'
zlogin ${ZONENAME} '/usr/bin/svcs -l ${SVC}'
zlogin ${ZONENAME} '/usr/bin/svcs -xv'
zlogin ${ZONENAME} '/usr/bin/uname -a'
zlogin ${ZONENAME} '/usr/bin/uname -X'
zlogin ${ZONENAME} '/usr/bin/uptime'
zlogin ${ZONENAME} '/usr/bin/vmstat 3 3'
zlogin ${ZONENAME} '/usr/bin/who -b'
zlogin ${ZONENAME} '/usr/proc/bin/ptree root'
zlogin ${ZONENAME} '/usr/sbin/ifconfig -a'
zlogin ${ZONENAME} '/usr/sbin/ipsecconf'
zlogin ${ZONENAME} '/usr/sbin/pmadm -L'
zlogin ${ZONENAME} '/usr/sbin/psrinfo -v'
zlogin ${ZONENAME} '/usr/sbin/sacadm -L'
zlogin ${ZONENAME} '/usr/sbin/sysdef -d'
zlogin ${ZONENAME} '/usr/sbin/sysdef'
zlogin ${ZONENAME} '/usr/sbin/zoneadm list -cp'
zlogin ${ZONENAME} '/usr/sbin/zoneadm list -cv'
```

```
zlogin ${ZONENAME} '/usr/sbin/zoneadm list -ip'
zlogin ${ZONENAME} '/usr/sbin/zoneadm list -iv'
zlogin ${ZONENAME} '/usr/sbin/zonecfg -z ${ZONENAME} export'
zlogin ${ZONENAME} '/usr/sbin/zonecfg -z ${ZONENAME} info'
```

One of the two following outputs will be collected by Explorer in which PRODIDstands for a unique product ID for Explorer:

```
/usr/bin/stclient -a -p Explorer -e ${EXP_VERSION} -t $PRODID -P ' ' -m 'Sun
Microsystems, Inc.' -A`uname -p` -z global -S Explorer
/usr/bin/stclient -f -t $PRODID
```

Files Collected

The following files are collected:

```
/kernel/drv/*.conf
/usr/kernel/drv/*.conf
/platform/`uname -i`/kernel/drv/*.conf
/platform/`uname -m`/kernel/drv/*.conf
${CRASHDIR}/act.*
/etc/lutab
/boot/grub/menu.lst
/boot/solaris/bootenv.rc
chassis_serial.out (contains chassis serial number for system)
```

syslogs

Collects log files in `/var/log`.

Files Collected

The following files are collected:

```
/etc/logadm.conf
/var/log/syslog
${ZONEPATH}/etc/logadm.conf
${ZONEPATH}/root/var/log/syslog
```

t3

Collects StorEdge T3 information. Collects data for each StorEdge T3 LUN found.

Commands Collected

The following commands are collected:

```
/usr/sbin/format -e -f ${CFILE} -d ${LUN} 2>&1 | sed -n -e '/^Inquiry:/,/^scsi>/p
/usr/sbin/luxadm display ${LUN}
/usr/sbin/luxadm -e dump_map ${LUN}
```

t3extended

Collects extended StorEdge T3 information.

Commands Collected

The following command is collected:

```
/bin/ls -l ${EXP_T3INPUT_CONFIG}
```

In addition, the following commands are collected from the remote host:

```
ls -l /
ver
ls -l /etc
ls -l /web
ls -l /web/snmp
arp -a
lpc version
proc list
fru stat sys
sys stat
sys list
vol stat
vol list
vol mode
fru list
fru statistic
fru myuid
date
tzset
port list
port listmap
ver
set
refresh -s
route -r
.ep info
.loop stat
.set
.sys list
fru stat
fru stat
id read ${T3_ID}pcu1
id read ${T3_ID}pcu2
id read ${T3_ID}
id read ${T3_ID}l1
id read ${T3_ID}l2
id read ${T3_ID}c1
disk version ${T3_ID}d1-9
.disk pathstat ${T3_ID}d1-9
.disk linkstat ${T3_ID}d1-9 path 0
.disk linkstat ${T3_ID}d1-9 path 1
.disk tmon_list ${T3_ID}d1-9
.disk gettune ${T3_ID}d1-9
logger -dmprstlog
volslice list
lun map list
lun perm list
lun wwn list
hwwn list
hwwn listgrp
ntp
ntp stats
ntp -v
```

```
sys fc_topology
du -a
du -s
savecore list
netstat -airs
.ep info
.loop stat
.set
.sys list
fru stat
disk version ${T3_ID}d1-14
.disk pathstat ${T3_ID}d1-14
.disk linkstat ${T3_ID}d1-14 path 0
.disk linkstat ${T3_ID}d1-14 path 1
.disk tmon_list ${T3_ID}d1-14
.disk gettune ${T3_ID}d1-14
.disk plist ${T3_ID}d1-14
.disk glist ${T3_ID}d1-14
.disk softerr ${T3_ID}d1-14
.disk harderr ${T3_ID}d1-14
.pgrdb
.ecc s
.devtree ${T3_NUM}
.bat -s ${T3_NUM}pcu1
.bat -s ${T3_NUM}pcu2
global_standby list ${T3_ID}
```

Files Collected

The following files are collected from the remote host:

```
cmdlog* syslog*
hosts *.conf *.log
```

tape

Collects information from tape drives and STK Libraries.

Commands Collected

The following command is collected:

```
st_diag.`uname -p`
```

Tx000

Collects SP ALOM information on the Sun Fire T1000 server and Sun Fire T2000 server. Usually, only one SP will be present.

Collects CMM ALOM and SP ALOM data on the Sun Fire TX6300/TX6320 systems. Usually, one CMM will be present together with multiple SP's.

Commands Collected

The `ipmitool` command is searched in the following directories:

```
/opt/ipmitool/bin
/usr/sbin
/usr/sfw/bin
```

The following commands are collected:

Collection of CMM Data

${CMMCONN} stands for the CMM connection data (system, username (always root), password).

```
ipmitool ${CMMCONN} chassis status
ipmitool ${CMMCONN} fru
ipmitool ${CMMCONN} mc info
ipmitool ${CMMCONN} -v sdr
ipmitool ${CMMCONN} sdr elist
ipmitool ${CMMCONN} sdr list
ipmitool ${CMMCONN} sel elist
ipmitool ${CMMCONN} sensor
ipmitool ${CMMCONN} sunoem led get
ipmitool ${CMMCONN} sunoem sbled get
```

Collection of SP Data

${SPCONN} stands for the SP connection data (system, username (always root), password).

```
ipmitool ${SPCONN} chassis status
ipmitool ${SPCONN} fru
ipmitool ${SPCONN} mc info
ipmitool ${SPCONN} -v sdr
ipmitool ${SPCONN} sdr elist
ipmitool ${SPCONN} sdr list
ipmitool ${SPCONN} sel elist
ipmitool ${SPCONN} sensor
ipmitool ${SPCONN} sunoem led get
ipmitool ${SPCONN} sunoem sbled get
```

Snapshot Information

Where <host> is IP address of CMM and SP connected to the bladeserver

```
snapshot
ipmitool -H <host> -U root fru
ipmitool -H <host> -U root sel elist
ipmitool -H <host> -U root -v sdr
ipmitool -H <host> -U root sdr elist
ipmitool -H <host> -U root sdr list
ipmitool -H <host> -U root chassis status
ipmitool -H <host> -U root sunoem led get
ipmitool -H <host> -U root sensor
ipmitool -H <host> -U root mc info
ipmitool -H <host> -U root sunoem sbled get
```

u4ft

Collects Sheffield information. Collects all EEPROM data.

Commands Collected

The following commands are collected:

```
${CMSHOME}/sbin/splitinfo
/usr/bin/ls -lR /usr/platform/SUNW,Ultra-4FT/SUNWftmu
/usr/bin/cat /dev/u4ftlog:nvlog,nodelay
```

```
/usr/bin/cat /dev/u4ftlog:debug,nodelay
${CMSHOME}/lib/u4ftctl get_path $cookie
${CMSHOME}/lib/u4ftctl get_state $cookie
${CMSHOME}/lib/u4ftctl get_tag $cookie
${CMSHOME}/lib/u4ftctl get_driver $cookie
${CMSHOME}/lib/u4ftctl get_instance $cookie
${CMSHOME}/sbin/cmsfruinfo -i -l $LOCATION EE_EEPROM
```

Files Collected

The following files are collected:

```
/etc/splitd.conf
/etc/config.icn*
/etc/SUNWftmu/u4ft_compatDB
/etc/SUNWftmu/u4ft_syspartno
/etc/default/vxassist
/etc/vx/sbin/vxaltstale
/etc/rc2.d/S95vxvm-recover
/etc/release
```

Directories Collected

The following directories are collected:

```
/var/SUNWlogu
/var/SUNWftmu/u4ftcod
/etc/SUNWftmu/u4ftcod
/etc/SUNWcms/.config
```

ufsextended

Collects extended UFS information.

Commands Collected

The following command is collected:

```
/usr/sbin/fstyp -v $bdev
```

var

Collects log and config information in /var. Collects all crontab files.

Commands Collected

The following commands are collected:

```
/bin/ls -al /var/tmp
/bin/ls -l /var/cron/log
/bin/ls -l /var/ntp
/bin/ls -l /var/tmp
/bin/ls -l /var/yp/binding
/bin/ls -la /var/cron
/bin/ls -ld /var
/bin/ls -ld /var/adm
/bin/ls -ld /var/sadm
/bin/tail -10000 /var/cron/log
/etc/krb5 (etc/krb5/)
```

```
/usr/bin/tail -1000 /var/cpudiag/log/error.log
/usr/bin/tail -1000 /var/cpudiag/log/info.log
/var/krb5 (var/krb5/)
/var/opt/SUNWuce/agent/logs (var/opt/SUNWuce/agent/logs/)
/var/sadm/install_data (var/sadm/install_data/)
/var/scn/update-agent/logs (var/scn/update-agent/logs/)
/var/svc/log (var/svc/log/)
<zonepath>/root/etc/krb5 (zones/<zone>/etc/krb5/)
<zonepath>/root/var/krb5 (zones/<zone>/var/krb5/)
<zonepath>/root/var/opt/SUNWuce/agent/logs
   (zones/<zone>/var/opt/SUNWuce/agent/logs/)
<zonepath>/root/var/sadm/install_data (zones/<zone>/var/sadm/install_data/)
<zonepath>/root/var/scn/update-agent/logs
   (zones/<zone>/var/scn/update-agent/logs/)
<zonepath>/root/var/svc/log (zones/<zone>/var/svc/log)
```

Files Collected

The following files are collected:

```
/var/cpudiag/data/bad_cpu_id.*
/var/log/install_stb-v<version>.log
/var/log/lwact.xml
/var/ntp/ntp.drift
/var/opt/sun/jet/config/host.config
/var/opt/sun/jet/jumpstart_install.log
/var/opt/SUNWjass/run/$TIMESTAMP/jass-audit-log.txt
/var/opt/SUNWjass/run/$TIMESTAMP/jass-checksums.txt
/var/opt/SUNWjass/run/$TIMESTAMP/jass-install-log.txt
/var/opt/SUNWjass/run/$TIMESTAMP/jass-script-list.txt
/var/opt/SUNWjass/run/$TIMESTAMP/jass-undo-log.txt
/var/opt/SUNWjass/run/$TIMESTAMP/jass-version.txt
/var/opt/SUNWvts/logs/sunvts.info
/var/run/psn
/var/sadm/install/contents
/var/sadm/softinfo/INST_RELEASE
/var/sadm/system/admin/CLUSTER
/var/spool/cron/crontabs/$i
/var/sun/EIS-CD.log
/var/sun/GOLD-CD.log
/var/yp/binding/* (var/yp/binding/)
<zonepath>/root/var/yp/binding/* (zones/<zone>/var/yp/binding/)
```

Directories Collected

The following directories are collected recursively:

```
/var/sun/install-ORIG
/var/log/sunfire
/var/sun/include
/var/sadm/install/se6000
/var/ep (directory)
```

vtsst

Collects StorTools 4.x information.

Commands Collected

The following commands are collected:

```
${VTSPATH}/discman -v
${VTSPATH}/discman -c
```

Files Collected

The following files are collected:

```
/var/opt/SUNWvtsst/logs/sunvts.err
/var/opt/SUNWvtsst/logs/activity.log
/var/opt/SUNWvtsst/logs/*.errlog
/var/opt/SUNWvtsst/logs/[Ss]nap[Ss]hot.log
/var/opt/SUNWvtsst/logs/[Ss]nap[Ss]hot.diffs
```

vxfs

Collects Veritas file system information. Data is collected for each file system in df -lF vxfs.

Commands Collected

The following commands are collected:

```
/usr/sbin/vxtunefs -p $bdev
/usr/lib/fs/vxfs/fsadm -ED $fs
/usr/sbin/fstyp -v $bdev
```

Files Collected

The following file is collected:

```
/etc/vx/tunefstab
```

Directories Collected

The following directory is collected:

```
/etc/vx/elm
```

In addition, the following directory is collected recursively:

```
/etc/vx/licenses
```

vxvm

Collects Veritas Volume Manager information. Collects data for each disk group found.

Commands Collected

The following commands are collected:

```
/usr/sbin/vxprint -Ath
/usr/sbin/vxprint -th
/usr/sbin/vxprint -h
/usr/bin/ls -lR /dev/vx
/usr/bin/ls -lLR /dev/vx
/usr/sbin/vxdg -q list
```

```
/usr/bin/sum /etc/vx/slib/* /usr/lib/libc.so.1 /usr/lib/libthread.so.1
/usr/sbin/vxdg -q list
/usr/sbin/vxdg -g $DG_NAME free
/usr/sbin/vxdg list $DG_NAME
/usr/sbin/vxprint -vng $DG_NAME
/usr/sbin/vxprint -hmQqg $DG_NAME $VOL_LIST
/usr/sbin/vxprint -rmvg $DG_NAME $VOL_LIST
/usr/sbin/vxprint -hmQqg $DG_NAME
/usr/sbin/vxprint -mdg $DG_NAME
/usr/sbin/vxprint -mvrGg $DG_NAME
/etc/vx/diag.d/vxprivutil dumpconfig ${PRIV_PATH}
/usr/sbin/vxdisk list
/usr/sbin/vxdisk -o alldgs list
/usr/sbin/vxprint -thrL
/usr/sbin/vxprint -hr
/usr/sbin/vxtask list
/usr/sbin/vxdisk -o alldgs list
/usr/sbin/vxdisk list ${DISK_NAME}
/usr/sbin/vxdmpadm listexclude
/usr/sbin/vxdmpadm listctlr all
/usr/sbin/vxdmpadm getdmpnode enclosure=$enclosure
/usr/sbin/vxdmpadm stat restored
/usr/sbin/vxddladm listjbod
/usr/sbin/vxddladm listsupport all
/usr/sbin/vxddladm listexclude all
/usr/sbin/vxdisk path
/usr/sbin/vxdisk -e -o alldgs list
/usr/sbin/vxddladm listversion all
/sbin/vxlicrep
/sbin/vxlicrep -e
/usr/sbin/vxcmdlog -l
/usr/sbin/vxtranslog -l
/etc/vx/disk.info
```

Files Collected

The following files are collected:

```
/etc/vx/vxrelocd
/etc/rc2.d/S95vxvm-recover
/etc/vfstab.prevm
/etc/vx/volboot
/etc/vx/vxdmp.exclude
/etc/vx/vxvm.exclude
/etc/vx/dmpvents.log
```

Directories Collected

The following directories are collected:

```
/etc/vx/elm
/var/opt/vmsa/logs
/var/adm/vx
```

In addition, the following directories are collected recursively:

```
-f *.jar /var/vx/isis
/etc/vx/reconfig.d
/var/vxvm
```

Then the following three directories are collected:

```
/etc/vx/cbr/bk/*/*cfgrec
/etc/vx/cbr/bk/*/*dginfo
/etc/vx/cbr/bk/*/*diskinfo
```

Finally, the same three directories are collected but with the extensions .1, .2, .3, .4, and .5 until a maximum total size of 1.5 Mbytes is reached.

If the maximum size is reached, the output of the following command is added (to show a directory listing of the items that were not collected):

```
/usr/bin/ls -lR /etc/vx/cbr/bk
```

xscfextended

Collects Sun SPARC Enterprise M4000/M5000/M8000/M9000-32/M9000-64 information.

Commands Collected

The following commands are collected from the remote host:

```
snapshot -T -D -L -F
```

Directories Collected

The following directory is collected recursively:

```
/var/log/opl
```

Total Number of Collected Commands, Files, and Directories

Total commands collected: **12026+**
Total files collected: **606+**
Total directories collected: **238+**

Grand total of all commands, files, and directories: **20470+**

These totals should be viewed with caution. The command, file, and directory totals were gathered using grep. The totals could be on the low side, because they do not account for wild cards in file collection or for directories collected recursively. They also do not account for scripts that loop through files or command output to determine what needs to be collected.

The totals could also be on the high side, depending on the hardware and software installed on your system. For example, the ndd script collects data based on network hardware installed on your system. It attempts to collect data for 4 services, such as tcp and udp. It checks for up to 10 cards (such as qfe or hme) and allows for up to 16 instances of each card. For each card or service, Oracle Explorer Data Collector gets the list of parameters for each instance and collects all information for each parameter. On an Ultra 10 workstation that runs Solaris 8 software, there are 175 `ndd` commands collecting data for `tcp`, `ip`, `udp`, `icmp`, and `hme`.

5

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Version 2, June 1991

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