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Sun Explorer
Release Notes

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Oracle Explorer Release Notes

Introduction

The *Sun Explorer Release Notes* for Software Release 6.4 contain important notices that apply to the Sun Explorer diagnostic data collection tool. These release notes also provide information about the changes made, including a description of the new features, a description of the modified features, and a list of the defects and requests for enhancement (RFEs) fixed in Sun Explorer 6.4.

Sun Explorer Notices

The following notices apply to Sun Explorer 6.4:

- 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

- Sun Explorer and shared storage: Running Sun Explorer and RAIDManager (RM) diagnostic commands simultaneously can cause controllers to go offline. Furthermore, running Sun Explorer, `healthck`, `drivutil`, or other diagnostic commands simultaneously on host servers that share Sun 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 Sun Explorer from only one server host. Alternatively, you can run Sun Explorer from more than one host server as long as you run Sun Explorer from each host server at staggered times.

  To configure Sun 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 Sun Explorer should run:

  `explorer -g`

  A third option is to not include Sun Explorer storage modules when you run Sun Explorer on servers that share disks. To exclude storage modules from one of the host servers, run Sun 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`

- Use of SSH with the Sun Explorer scextended module. Before you can collect information from a Sun Fire midframe system controller (SC), you must manually accept the SSH host key from the SC. To accept the SSH host key, use SSH to log in to the SC (as superuser) from the system that is collecting data.

- 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.

- Explorer 6.4 and higher will automatically upgrade configuration files *input.txt (exception: *tapeinput.txt*) for extended modules, retaining active configurations. The value of this newly introduced parameter will be mentioned as '**-**' in the upgraded file. If the old **sanextended** configuration had *SWITCH*, *LOGIN* and *PASSWORD* parameters, *SWITCH* will be mapped to *SWITCHNAME*, *SWITCHTYPE* value will be mentioned as '**-**', and the data will be kept commented. Users will have to uncomment the data and replace '**-**' with appropriate *SWITCHTYPE* value to invoke data collection non-interactively. For the **ilomsnapshot** module, the value of newly introduced parameter *(DATASET)* will be mentioned as '**-**' and will be interpreted as the default value (**fruid**) for the parameter.

New Features

The following are some of the new features available in Sun Explorer 6.4:

- Explorer now collects Event Data details for SEL entries (ipmitool **-v sel elist**) for X64 platforms. (6709905)
- Explorer now collects ipmitool **sunoem sbled get** command output for Sun Blade 6000 platforms. (6829786)
- Explorer now sets system serial number using sneep interface during defaults file creation. (6906919)
- Explorer now automatically upgrades configuration files for extended modules, preserving the active configurations. (6909682)
- Explorer now supports ILOM snapshot data collection for different datasets and encryption. (6823952)

Modified Features

The following are the main modified features in Sun Explorer 6.4:

- Explorer now uses **serial_finder**, common script for STB components, to detect and set chassis serial number in explorer defaults file. (6906918)
- The **platform_serial** module now calls **serial_finder**, common script for STB components, to capture system serial number. (6910932)
- The **platform_serial** module now collects system serial number in **chassis_serial.out** instead of **platform_serial** file. (6906956)

Defect and RFE Fix List

The following defects and RFEs are fixed in the Sun Explorer 6.4 release.

Defect/RFE Number	Subcategory	Description
6752147 (RFE)	system_controller	Add "-v sel elist" to the ipmitool data collected by explorer, to capture 'EventData' detail.
6829786 (RFE)	x86	Request to add ipmitool sunoem sbled get to the Sun Blade 6000 ipmi gathering commands
6906918 (RFE)	other	Use common algorithm to detect and set chassis serial number in explorer default file
6906919 (RFE)	other	Explorer must use sneep interface to set serial data from its default module
6909682 (RFE)	other	Explorer should upgrade the configuration files for its extended modules retaining existing values
6910932 (RFE)	other	platform_serial must call common algorithm to populate serial number in its output file
6906956 (RFE)	other	Update platform_serial module to change the name of the output file to 'chassis_serial'

Defect/RFE Number	Subcategory	Description
6823952 (RFE)	system_controller	ilomsnapshot module should support encryption and user selected dataset
6868940 (Defect)	system_controller	Running explorer -w !ipaddr on a 15k system controller corrupts the rstop/dstop binary files.
6846759 (Defect)	usage	Tx000 module, when run as part of a group, should be interactive, if 'interactive' is specified
6750696 (Defect)	storage	ASC: 0x24 (invalid field in cdb) reported by USB DVD ROM
6605871 (Defect)	backup	while using lm option in explorer execution,moves blocks of the tape device.
6895295 (Defect)	other	Do not run pfiles if AVS is running
6662287 (Defect)	usage	Code doing nothing in exp_check