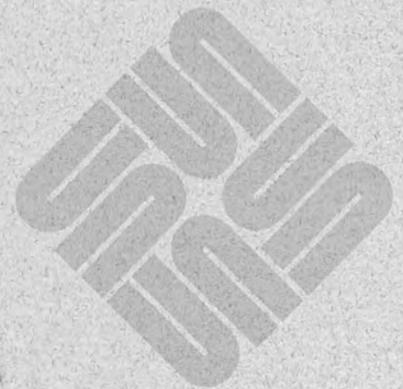




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# Online Bugs Database Reference Manual

Technical Information Services





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# Online Bugs Database Reference Manual

Technical Information Services

The Online Bugs Database is available to customers with software/hardware or software only support contracts. Within the United States send comments or suggestions to 'Online Bugs Database' at Sun Microsystems, Inc., 2550 Garcia Ave., M/S 2-318, Mountain View, CA 94043 or by electronic mail to *sun!onlinebugs-db*. U.S. customers who have usage problems with the database or who have technical questions about topics in the database should call the Sun Customer Software Services AnswerLine at **800 USA-4-SUN** or by electronic mail to *sun!hotline*.

Customers outside the United States refer to the current Software Technical Bulletin, available to all customers with software or software/hardware contracts, for the phone number of your country's Support Center.

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# Contents

<b>Chapter 1 Getting Started</b> .....	<b>1</b>
<b>Introduction</b> .....	1
Support .....	2
Duplicating the OBD .....	2
<b>Logging In</b> .....	3
tip Access .....	3
Login Prompt .....	3
Password Prompt .....	4
<b>Terminal Type</b> .....	4
<b>Exiting the OBD System</b> .....	5
<b>Chapter 2 Using The Online Bugs Database</b> .....	<b>9</b>
<b>Search Criteria Screen</b> .....	10
<b>Search by Detail Screen</b> .....	11
Search Field Commands .....	12
Search Command Options .....	13
Executing a Database Query .....	14
Search Error Messages .....	14
<b>Reference Number Search</b> .....	15
Bug Reference Number Prompt .....	16
Bug Reference Command Options .....	16
Executing a database query .....	16
Viewing the Bug Text File and Help files .....	16

<b>Chapter 3</b> Online Help Screens .....	<b>21</b>
<b>Search Criteria Help</b> .....	22
<b>Search Criteria Help Screen for Listed Bugs</b> .....	23
<b>Search by Detail Help</b> .....	24
<b>Appendix A</b> User Comment Form .....	<b>27</b>
<b>Appendix B</b> Bug Category/Subcategory Listing .....	<b>31</b>
Category/Subcategory Help .....	31
Category/Subcategory Listing .....	31
<b>Appendix C</b> Current Release Levels .....	<b>41</b>
Release Level Help .....	41
Release Level Listing .....	41

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# Getting Started

Getting Started .....	1
<b>Introduction</b> .....	1
Support .....	2
Duplicating the OBD .....	2
<b>Logging In</b> .....	3
tip Access .....	3
Login Prompt .....	3
Password Prompt .....	4
<b>Terminal Type</b> .....	4
<b>Exiting the OBD System</b> .....	5



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## Getting Started

### Introduction

The Online Bugs Database (OBD) is your ticket to Sun Microsystems' most current software bug information. Sun updates the database monthly. The OBD contains information identical to the Customer Distributed BugsList (CDB), which is a hardcopy document released quarterly. As in the CDB, each bug in the database consists of the reference number; a one-line bug synopsis, the release(s) in which the bug was reported; a description of the bug that includes the problem, succinct examples of the problem where available, and the configuration where applicable; and existing workarounds for the bug. The reference number is an identification tag for the bug. Use this number when asking your Sun support center about a particular entry.

All bugs in the OBD have been evaluated by Sun's engineering staff and have not been fixed in the most current release of the product. Alpha and beta bugs are included for released products. Some bugs have been eliminated based on the following criteria:

- The entry is not considered to be a bug; rather, it is a request for enhancement.
- The bug occurs in an unreleased product.

Multiple search strategies are an exciting feature of the Online Bugs Database. You can search the database by the following fields:

- bug reference number
- category
- subcategory
- release
- category/subcategory within a specified release
- keyword(s)

The OBD uses the SunUNIFY database package. However, using the system requires no prior database experience. For ease of use, the OBD is menu driven. Accessing the OBD requires the use of modem software and `tip` software.<sup>1</sup>

This document is designed to instruct you on how to log on and off of the OBD, access each screen, and complete the prompted information.

## Support

Use the online OBD help facilities for help with usage problems. Contact your Answer Center for additional help with problems encountered with this database or for any questions regarding bugs in the database.

Send comments or suggestions to:

Online Bugs Database  
Sun Microsystems, Inc.  
2550 Garcia Ave., M/S 2-318  
Mountain View, CA 94043

For your convenience, Appendix A contains a form to be used for sending in your suggestions and comments. You can also send comments and suggestions by electronic mail to `sun!onlinebugs-db` or `onlinebugs-db@sun.Com`.

## Duplicating the OBD

Your company's software support contract includes access to the OBD and a copy of this *OBD Reference Manual*, Part Number 812-1001. The manual is mailed to your company's primary contact person or department. Sites with more than one contract may receive more than one copy of the manual, depending on how the contracts are set up.

---

<sup>1</sup> For information on modem software, refer to the instruction manual included with your modem software. For more information on the `tip` software, refer to the *Commands Reference Manual*, part number 800-1295, provided with your Sun system documentation.

The primary contact person may duplicate this 'master' OBD Reference Manual for other internal Sun workstation end-users. Please note that the duplicated copies can only be distributed internally to prevent copyright infringement.

This limited permission for duplication is only for your convenience and does not include any duplication for resale, distribution outside your company, or distribution to employees of companies not having a Sun software support contract.

## Logging In

Due to limitations with modem software, if you are using a Sun workstation, use a standard-sized window to access the OBD.

### tip Access

`tip` can be accessed from your `sundial` prompt. If the `tip` software is available, to connect to the Online Bugs Database (OBD), enter the `tip` command, followed by the telephone access line number. The OBD is on a six-line rotary dial system. When you dial in, you are connected to the first available line. The telephone access lines are as follows:

- 1-415-969-7143 (outside the San Francisco Bay Area)
- 1-415-969-7143 (from the [408] Area Code)
- 969-7143 (within the [415] Area Code)

`tip` should be accompanied by the applicable baud rate (depending upon your modem). Allowable baud rates are 300, 1200, and 2400.<sup>2</sup> For example, to connect in the Bay area, enter the following:

```
tip -2400 9697143
```

### Login Prompt

When the login prompt appears, enter the following:

```
stb
```

Note: If the `login` prompt does not appear after a few seconds, hit a carriage return (`<CR>`). Wait an additional six seconds. If the `login` prompt still does not appear, type `~#` (tilde and pound sign with no space). You can repeat this step if there is no response after six seconds.

If you still cannot connect, follow the instructions in the `Exiting the OBD` section of this document to disconnect from `tip`. Start over from redialing the `tip` access telephone number.

<sup>2</sup> For more details on using `tip`, refer to the *Commands Reference Manual*, Part Number 800-1295.

**Password Prompt**

When the password prompt appears, enter the following:

**sunizhot**

When the Terminal Type screen appears as shown in figure 1, you have successfully accessed the OBD system.

**Terminal Type**

```
The following terminal compatibility modes are supported:
      Turn off Auto Newline [except for wyse 50]

1)  sun
2)  adm3
3)  dec vt52
4)  dec vt100
5)  adds viewpoint
6)  televideo 912b
7)  televideo 920
8)  televideo 925
9)  televideo 950
10) wyse 50 [set auto nl & auto scrl on, set compatible to tvi920]
11) wyse 75
12) hp
13) xterm

99) QUIT Online Bugs Database

Terminal Type (or 99 for quit):
```

*Figure 1. The Terminal Type Screen*

**SYNTAX:**

Terminal Type (or 99 for quit):<type>

**Where:**

**type** Represents the type of terminal from which you are performing the query. Enter option 1 through 13 or enter 99 to quit. The options are the number associated with your terminal type. For example, if you are using a Sun workstation, enter 1. If your terminal type is not specified, type 99 to log off the system.<sup>3</sup>

<sup>3</sup> Call the Answer Center and request that your terminal type be added to the list.

After you set your terminal type, a system greeting that states the latest update to the OBD and other timely information is displayed. Press `<CR>` to continue. The Search Criteria Screen displays. (Refer to figure 2.)

### Exiting the OBD System

Every screen in the OBD contains an option to exit the system. Select the option as outlined in the relevant section. If you are using `tip` software, select the OBD exit option, then enter `~.` (tilde and period) to disconnect your `tip` software. If you are remotely logged in to another machine, you must use one additional tilde for each `rlogin`. (Refer to the *Command Reference Manual*, Part Number 800-1295, or your system administrator for more details.)

Once you have successfully exited the OBD, the following message displays:

```
Exit screen:
```

```
OnLine Bugs Database session terminates...
```

```
Type ~. to disconnect from tip
```

```
Killed
```



---

## Using The Online Bugs Database

Using The Online Bugs Database .....	9
<b>Search Criteria Screen</b> .....	10
<b>Search by Detail Screen</b> .....	11
Search Field Commands .....	12
Search Command Options .....	13
Executing a Database Query .....	14
Search Error Messages .....	14
<b>Reference Number Search</b> .....	15
Bug Reference Number Prompt .....	16
Bug Reference Command Options .....	16
Executing a database query .....	16
Viewing the Bug Text File and Help files .....	16



---

## Using The Online Bugs Database

The Online Bugs Database (OBD) was designed for ease of use. The procedures detailed in this chapter walk you through the available search screens. (Refer to Chapter 3 for available online help.)

## Search Criteria Screen

```
[src_crit]                SunUNIFY Release 3.0          27 SEP 1989 - 15:09
                          Search Criteria Screen

                          1. Search by detail
                          2. Search by Bug Reference Number
                          3. Help
                          4. Exit Online Bugs Database

SELECTION:

ESC-select ^U-up RET-down ^X-home ^P-previous ^Z-clear ^D-exit ?-help/-more
```

*Figure 2. Search Criteria Screen*

The Search Criteria Screen (figure 2) is the first SunUNIFY screen displayed. Complete this screen as follows:

### SYNTAX:

```
Search by detail: <1>
Search by Bug Reference Number: <2>
Help: <3>
Exit Online Bugs Database: <4>
```

### Where:

1-4 Specifies the desired option.

## Search by Detail Screen

Search by Detail

Enter Category:

Subcategory:

Release:

Keyword(s):

Command:

[?]Help      [+]Full listing      [^U] Up->Previous screen

*Figure 3. Search By Detail*

The Search by Detail Screen appears as shown in Figure 3. Complete this screen as follows:

### SYNTAX:

```

Enter Category: <cat>
Subcategory: <subcat>
Release: <release>
Keyword(s): <kywds>
Command: <cmd>

```

### Where:

- |         |   |
|---------|---|
| cat     | Specifies the bug category to be searched.  |
| subcat  | Specifies the bug subcategory to be search. This field is available only if a category is entered.  |
| release | Specifies the software release.   |
| kywds   | Specifies keywords related to requested bug. The keyword search parses on a bug's synopsis field. If you do not know the bug number, but know the nature of the bug failure, you can derive a keyword criteria for a successful search. |

cmd Specifies an OBD action.

Enter a valid category, subcategory, release, or keyword at the appropriate prompts. (Refer to Appendix B for valid category and subcategory entries.

Eliminate criteria from your database query by hitting <CR> at the prompts of the field to be eliminated. A subcategory must be specified with the category selection. You must complete at least one field to begin a search.

**EXAMPLE:**

```
Enter Category:  compiler
Subcategory:    assembler
Release:
Keyword(s):    pascal
Command:       s
```

**Search Field Commands**

In addition to typing a valid entry at the Category, Subcategory, Release, and Keyword(s) prompts, you can enter any of the following command options at the prompt. For either of the first two commands, enter the character enclosed in brackets at the prompt. For the second two commands, enter the character sequence that is given.

Note: Before search detail criteria are entered, the commands displayed at the bottom of the screen are as follows:

```
[?]Help [+]Full listing [^U] Up->Previous screen
```

When search detail criteria (cat, subcat, release, or kywd[s]) are selected, the commands displayed at the bottom of the screen are as follows:

```
[?]Help [S]earch [^U] Up [P]revious screen e[X]it
```

Search field commands are defined below:

[?]Help Gives basic help for any prompt

[+] Gives a full listing of valid entries for the current field. When entered at the Category: prompt, a full listing of all categories with their associated subcategories is supplied. When entered at the Subcategory: prompt, the subcategories for your specified category are given. When entered at the Release: prompt, a valid release listing is supplied.

CTRL-U Moves the screen pointer up. Entering CTRL-U at the Category takes you back to the Search Criteria screen.

<CR> Skips a field, thus moving the screen pointer down.

### Search Command Options

Enter one of the following options at the `Command:` prompt by typing the character enclosed in brackets:

[?]Help Gives basic help for these command options.

[S]earch Executes a database query. Must have at least one criteria specified.

[P]revious screen Returns to the Search Criteria Screen.

e[X]it Terminates the OBD session.

CTRL-U Moves the screen pointer up one field.

### Executing a Database Query

To begin a database query, you must complete at least one field, using a valid category, subcategory, release, or keyword identifier. There is a wild card search. This makes it possible to execute a search for a given category by typing in the first three characters of the category to see all bugs for that release. For example, enter `com` at the `Category` prompt to see all bugs for the compiler category.

Enter the information in the appropriate space, then enter `S` (for Search) at the `Command` line, as shown in figure 3.

## Search Error Messages

If you enter an invalid category, subcategory, or release, the system gives an error message. The following are the possible error messages.

For an invalid category:

```
Category not in system
-- hit any key to remove this message -->-->
```

For an invalid subcategory or an incorrect category/subcategory combination:

```
Category/Subcategory not in system
-- hit any key to remove this message -->-->
```

For an invalid release:

```
Release not in system
-- hit any key to remove this message -->-->
```

It is possible to choose criteria for which there are no bugs. The error message in this case is:

```
no records were found--
hit any key to remove this message -->-->
```

## Reference Number Search

Enter Bug Reference Number:

Command:

[?]Help      [^U] Up

*Figure 4. Bug Reference Number Search Criteria Screen Without Selection*

The Reference Number Screen, as shown in figure 4, can be used to perform database queries on bug identification numbers obtained from the quarterly *Customer Distributed BugsList* (CDB), Part Number 817-8902, or from your support center.

Complete the Reference Number Screen as follows:

### SYNTAX:

```
Enter Bug Reference Number: <bugnum>
Command: <cmd>
```

### Where:

bugnum      Represents the bug identification number to be searched.

cmd          Specifies an OBD action.

When using the Reference Number Screen, note that the bug reference number to be searched must be a specific number. Ranges cannot be used.

**Bug Reference Number Prompt** At the **Enter Bug Reference Number** prompt, enter one of the following:

- a valid bug reference number
- ? for help
- CTRL-U to return to the Search Criteria Screen
- <CR> Moves the screen pointer down to the Command field

**Bug Reference Command Options**

Before bug selection, valid commands are:

[?]Help [^U] Up

After a bug identification number has been selected, valid commands are:

[?]Help [S]earch [^U] Up [P]revious screen e[X]it

Bug reference command options are defined below. At the **Command:** prompt, enter one of the following command options:

[?]Help Can be obtained by entering a ? after either field.

[S]earch Executes a database query.

[P]revious screen Returns to the Search Criteria Screen.

e[X]it Terminates the OBD session

**Executing a database query**

To use the Reference Number Screen, enter the bug reference number in the appropriate space, then enter S (for Search) at the Command line.

**Viewing the Bug Text File and Help files**

When the Bug Text File or help file you have selected appears on the screen, use the following commands to scroll the file for viewing. All search commands bring the user-specified string to the top of the screen.

q <CR> Quit, returning you to your query screen.

h Help gives you the list of possible commands.

/your\_string Searches forward for a user-specified string, and brings that string to the top of the screen.

?your_string	Searches backward for a user-specified string.
/	Searches forward for the next occurrence of the user-specified string.
?	Searches backward for the next occurrence of the user-specified string.
<space_bar>	Scrolls forward one screen.
b	Scrolls backward one screen.
j	Forward one line.
k	Backward one line.

For example, enter `/Reference Number:` and then `/` (slash) sequentially to bring each Reference Number to the top of your screen.

After viewing your query results, you are returned to the screen from which you queried the database. At this point you have the following options.

- Execute another query.
- Return to the Search Criteria Screen by entering `CTRL-U` at the current screen's initial prompt or `P` at the `Command:` prompt.
- Terminate the OBD session by entering `X` at the `Command:` prompt.



---

## Online Help Screens

Online Help Screens .....	21
<b>Search Criteria Help</b> .....	22
<b>Search Criteria Help Screen for Listed Bugs</b> .....	23
<b>Search by Detail Help</b> .....	24



---

## Online Help Screens

OBD online help is available. This chapter lists the output of each screen. To access the online help, issue the command shown on the associated screen.

## Search Criteria Help

Access this help screen from the Search Criteria Screen by selecting screen option 3.

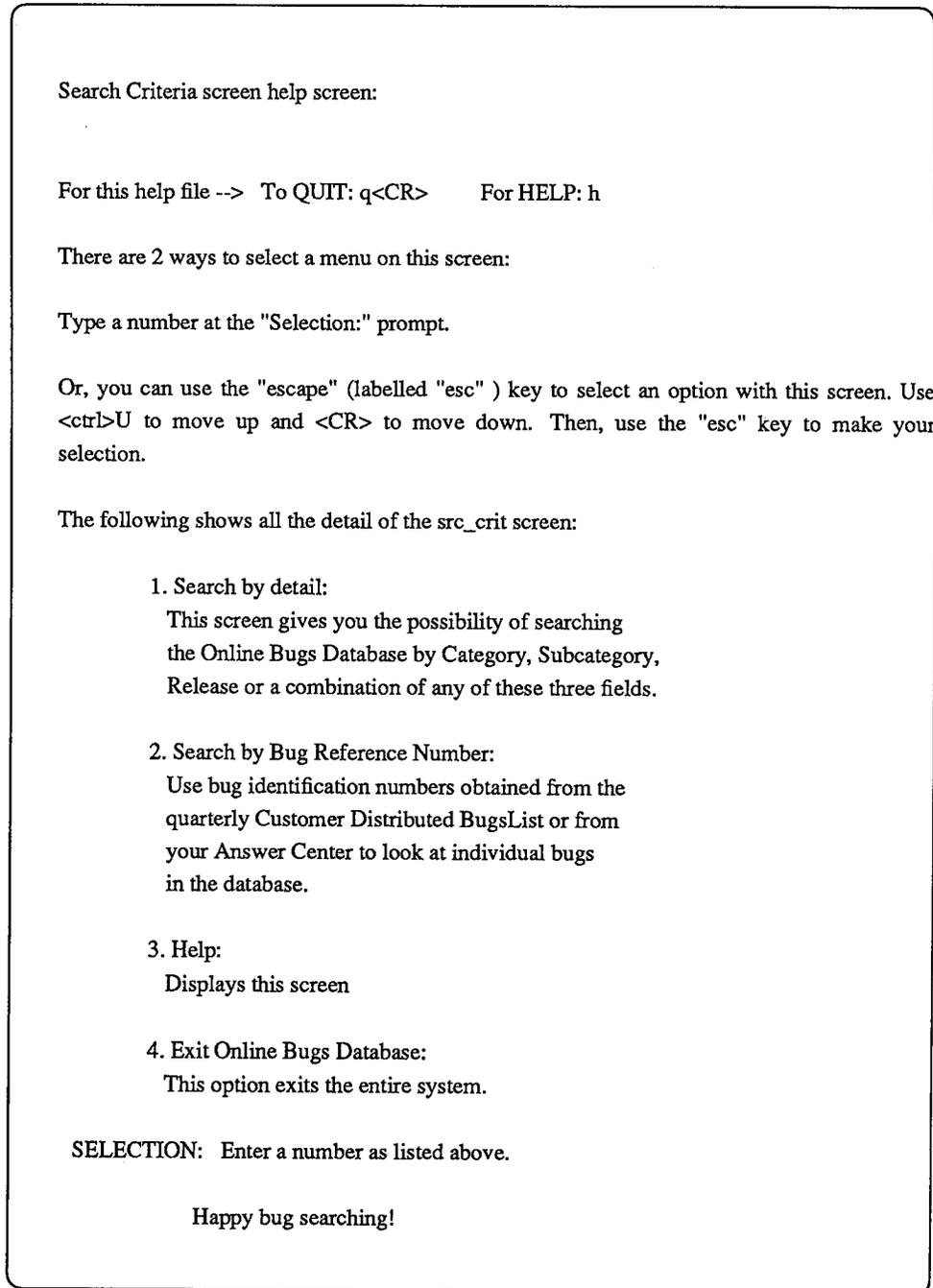


Figure 5. Search Criteria Help

## Search Criteria Help Screen for Listed Bugs

This screen is accessed while viewing the bug text and help files. During the viewing process, access this screen by issuing the following command:

?

```

      Commands marked with * may be preceeded by a number, N.

h          Display this help.
q          Exit.

f, SPACE  * Forward N lines, default one screen.
b          * Backward N lines, default one screen.
e, j, CR  * Forward N lines, default 1 line.
y, k      * Backward N lines, default 1 line.
d          * Forward N lines, default 10 or last N to d or u command.
u          * Backward N lines, default 10 or last N to d or u command.
r          Repaint screen.
R          Repaint screen, discarding buffered input.

/pattern  * Search forward for N-th line containing the pattern.
?pattern  * Search backward for N-th line containing the pattern.
n         * Repeat previous search (for N-th occurrence).

g          * Go to line N, default 1.
G          * Like g, but default is last line in file.
p, %      * Position to N percent into the file.
m<letter> Mark the current position with <letter>.
'<letter> Return to a previously marked position.
''        Return to previous position.

=          Print current file name.

```

Figure 6. Search Criteria Help Screen for Listed Bugs

## Search by Detail Help

Access this help screen from the Search by Detail Screen by completing any search by detail criteria. (Refer to Figure 3, page 11 for details.<sup>4</sup>) This help screen precedes the bug information.

```
To view the results of your query use "less" commands.  
"less" implements a subset of the "more" commands.  
The following are the most useful commands:
```

```
To EXIT:                q <CR>  
To SCROLL:  
    FORWARD one page:   <space_bar>  
    BACKWARD one page:  b  
    DOWN one line:     j  
    UP one line:       k  
  
To SEARCH:  
    FORWARD:            /your_string  
    BACKWARD:           ?your_string  
  
For HELP:                h
```

Figure 7. Search by Detail Help

---

<sup>4</sup> Category and Release level listings are available by selecting help option in the Category or Release fields. Refer to Appendix B for Category, subcategory, and to Appendix C for release information.

# A

---

## User Comment Form

User Comment Form .....	27
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## User Comment Form

This form can be used for sending in your comments on the OBD. Mail it to:  
Online Bugs Database  
Sun Microsystems, Inc.  
MS 2-318  
2550 Garcia Avenue  
Mountain View, CA 94043

You can also send comments by e-mail to *sun!onlinebugs-db* or *onlinebugs-db@sun.Com*.

Your name: \_\_\_\_\_

Site address: \_\_\_\_\_

Job title: \_\_\_\_\_

Date: \_\_\_\_\_

Total Number of hours you have used the OBD: \_\_\_\_\_

Check the following features that have you used:

Search Criteria Screen: \_\_\_\_\_  
general help on search criteria screen: \_\_\_\_\_  
Search by detail screen: \_\_\_\_\_  
Search by Bug Reference Number Screen: \_\_\_\_\_  
help features-- full category/subcategory listing: \_\_\_\_\_  
help features-- full release listing: \_\_\_\_\_  
help features-- command help: \_\_\_\_\_

Comments on the Help features:

Comments on the documentation:

Have you placed any service calls ? (Y or N) \_\_\_\_\_

If yes, please give the date, reason and response to the call:

Comments on the ease of use:

Comments on the performance:

Bugs that you encountered:

Suggestions for future enhancements:

Any other comments not include above:

# B

---

## Bug Category/Subcategory Listing

Bug Category/Subcategory Listing .....	31
Category/Subcategory Help .....	31
Category/Subcategory Listing .....	32



# B

---

## Bug Category/Subcategory Listing

The following is a complete list of the categories and subcategories as of November, 1989. This is a living list. The most up-to-date version of this list can be accessed on the system by entering + at the **Category:** prompt on the **Search by detail** screen.

### Category/Subcategory Help

#### Category/Subcategory Listing

For HELP: h

NOTE: Enter category and subcategory in lower case

Format of the category/subcategory listing:

```
category
-----
subcategory
subcategory2
subcategory3
.
```

## Category/Subcategory Listing

bsc3270

-----

bsc3274

doc  
driver  
install  
other

bscrje

-----

bscrje  
dispatch  
doc  
driver  
install  
other  
rje

c

-----

compiler  
debugger  
doc  
library  
other  
tools

campus

-----

boot  
compiler  
config  
datacomm  
demo  
diag  
disk\_driver  
doc-field-service  
doc-installation  
doc-man-pages  
doc-other  
doc-prom-guide  
doc-system-network  
doc-user  
ethernet  
firmware-bootprom  
firmware-framebuffer  
firmware-other  
firmware-romvec  
floppy\_driver  
game  
graphics  
kadb  
kernel  
library  
other  
release  
suninstall  
sunview  
sys-config  
sys-unconfig  
sysadmin  
tape\_driver  
utility

cg3270

-----

cg3270  
doc  
install  
lsg  
other

channel

-----  
 diag  
 doc  
 install  
 kernel  
 library  
 other  
 tools

clnt3270

-----  
 dai  
 doc  
 ibmftp  
 install  
 other  
 pe3287  
 te3287

cobol

-----  
 animator  
 compiler  
 doc  
 forms-2  
 install  
 other

compiler

-----  
 assembler  
 c  
 cgen  
 debugger  
 driver  
 fortran  
 linker  
 lint  
 optimizer  
 other  
 pascal  
 srcbrowser  
 utility

crosscomp

-----  
 c  
 doc  
 fortran  
 other  
 pascal

datacomm

-----  
 doc

ddn

-----  
 ddn  
 doc

diag

-----  
 bootprom  
 doc  
 exec-diags  
 exec-graphics-diags  
 exec-kernel  
 graphics-doc  
 graphics-firmware  
 netdiag  
 other  
 standalone  
 sundiag-graphics-diags  
 sundiag-kernel  
 sundiag-tests  
 sysdiag  
 tools

dni

-----  
 doc  
 file-transfer  
 install  
 kernel  
 login  
 mail  
 ncp  
 other  
 programming  
 proxy-agent  
 x11

doc

-----

assembler  
begguide  
c\_guide  
cgi  
curses  
debug  
devicedriver  
editing  
float\_point  
fortran  
global\_index  
gp  
gpci  
gpsi  
interface\_ovr  
network  
other  
pascal  
pixrect  
program\_util  
prommanual  
release\_notes  
suncore  
sundiag  
sunsys\_ovr  
sunview1  
sysadmin  
sysmanager  
syssecurity  
unixinstall  
userman

filemanager

-----

doc  
library  
operation

floating-point

-----

correctness  
performance

fortran

-----

compiler  
converter  
doc  
library  
other  
srcbrowser

gks

-----

doc  
library  
other

graphics

-----

cg6  
cg8  
cgi  
demo  
f77suncore  
gp  
gp2  
kernel  
other  
pixrect  
sunbuttons  
suncore  
taac1

ingres

-----

doc  
library  
other  
program

kernel

-----

driver  
 munix  
 network  
 nfs  
 other  
 rfs  
 streams  
 syscall  
 tty  
 ufs  
 vm

lcl3270

-----

doc  
 gateway  
 install  
 other

library

-----

libc  
 libcurses  
 libdbm  
 libkvm  
 libl  
 liblwp  
 libm  
 libmp  
 libnbio  
 libnls  
 libns  
 libnsl  
 libplot  
 libresolv  
 librpcsvc  
 libsuntool  
 libtermcap  
 libtermlib  
 liby  
 other

lisp

-----

compiler  
 doc  
 editor  
 ffi  
 gc  
 interpreter  
 other  
 wtk

mcp

-----

doc  
 mcp

modula2

-----

compiler  
 doc  
 library  
 other

netisam

-----

doc  
 install  
 isfile  
 library  
 other  
 server  
 toolkit  
 tutorial

network

-----

automounter  
boot  
config  
internet  
library  
locking  
nfs  
other  
program  
rfs  
rpc  
xdr  
yp

news

-----

demo  
doc  
font  
library  
lite  
other  
program  
ps  
psutility  
server  
utility

nse

-----

admin  
bootstrap  
commands  
doc  
filemerge  
install  
link  
linkservice  
make  
notification  
nsebrowse  
other  
prog\_interfaces  
sccs  
sccsalerting  
textedit  
windows

osi

-----

application  
config  
doc  
install  
network  
other  
presentation  
session  
transport

pascal

-----

compiler  
doc  
library  
other  
srcbrowser

pc-nfs	sun386i
-----	-----
compatibility	assembler
device	c
doc	cgen
graphics	cgi
network	coloredit
other	dbx
software	debugger
	diag
	dos
phigs	ezunix
-----	fileview
doc	helpsoftware
library	helptext
other	international
	kernel
	lang_utility
shell	lookfeel
-----	optimizer
bourne	paperdoc
cshell	pixrect
other	releng
	sunvga
simplify	sunview1
-----	userman
doc	utility
library	
other	
program	
	sundraw
	-----
sna3270	doc
-----	install
doc	library
driver	operation
install	
other	
sna3274	
	sunipc
	-----
snapeer	client_software
-----	compatibility
diag	doc
doc	host_software
driver	installation
install	other
other	pc-nfs
p2p	

sunpaint

-----

doc  
install  
library  
operation

suntrac

-----

assign  
doc  
installation  
level  
other  
profile  
report  
sketch  
trac

sunview1

-----

demo  
other  
program  
sunwindows

sunwrite

-----

doc  
install  
library  
operation

sysadmin

-----

diskformat  
file  
install  
other  
release  
setup  
sourcetape  
suninstall  
sunupgrade  
unbund\_install  
utility

te100

-----

doc  
emulator

tools

-----

sunview1

transcript

-----

doc  
other

unify

-----

compat  
doc  
library  
other  
program

utility

-----

diskformat

editor

formatter

indent

mail

make

other

printer

program

sccs

sccsalerting

sendmail

sundbase

uucp

x25

-----

config

doc

install

other

x25

x25manager

x29



# C

---

## Current Release Levels

Current Release Levels .....	43
Release Level Help .....	43
Release Level Listing .....	43



---

## Current Release Levels

### Release Level Help

In this help file:

EXIT: q <CR>  
 HELP: h

Selecting a release in the Search Criteria Screen:

Enter a release as printed below

### Release listing

### Release Level Listing

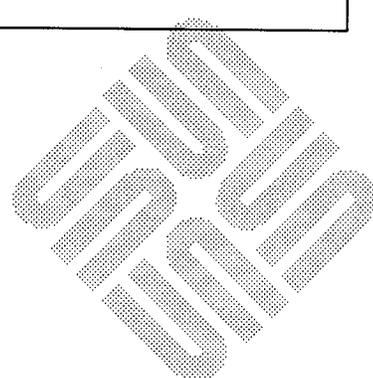
2.2	bscrje5.0
2.3	c24.0
3.0	c24.0.1
3.1	campus4.0.3c
3.2	cg32706.0
3.2.1	channel5.0
3.2ext	channel6.0
3.3	crosscomp2.0
3.4	crosscomp3.0
3.4.1	dai1.0
3.4.2	dai3.0
3.5	dai4.0
3.5.1	dai5.0
3.5.2	dai6.0
3.5ex	dai6.1
3.6	ddn4.0
4.0	ddn5.0
4.0.1	diag1.3.1
4.0.3	disksanitize1.0
4.0.3export	dni5.0
bootprom2.9.3	dni6.0
bsc32703.0	fortran1.0
bsc32706.1	fortran1.05
bscrje1.0	fortran1.1
bscrje3.0	fortran1.1.1

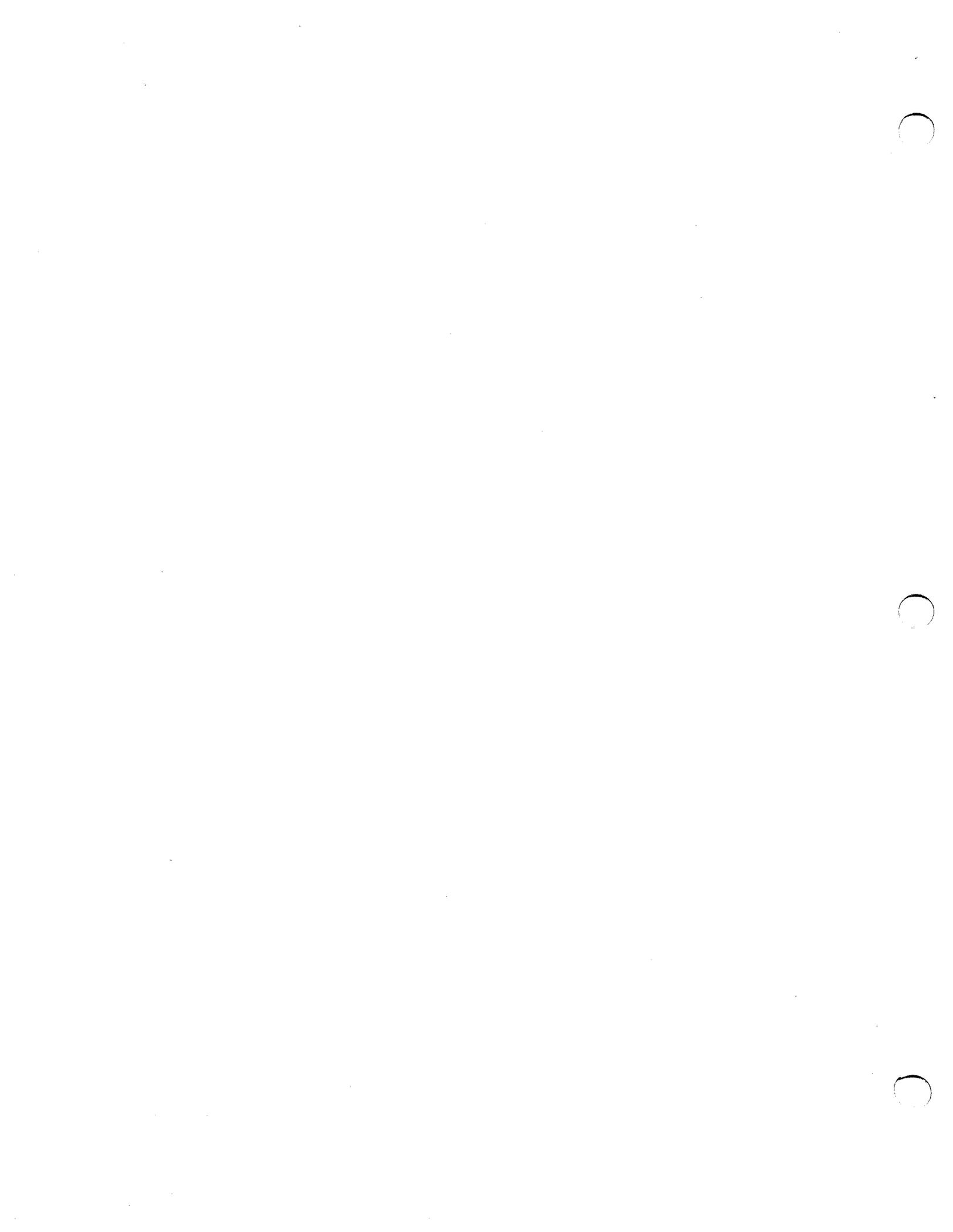
fortran1.1r  
fortran1.2  
fortran1.2sparc  
gks2.1  
gks2.2  
gks2.2.1  
hsi6.0  
ir5.0  
ir6.0  
isoterm2201.0  
lcl32705.0  
lic\_assure2.0  
lisp2.1.4  
lisp3.0  
lisp3.0-386i  
lisp3.0.1  
lisp3.0.4  
mcp5.0  
mcp5.2  
mcp6.0  
mhs5.2  
mhs6.0  
modula2.0  
modula2.1  
netdiag1.1  
news1.1  
newssrc1.1  
nfssrc3.2  
nfssrc3.2.1  
nfssrc3.2/4.3  
nfssrc3.2/4.3r1  
nfssrc4.0  
nse1.1  
nse1.2  
osi5.2  
osi6.0  
pascal1.05  
pascal1.1  
pascal1.1r  
pc-nfs2.0  
pc-nfs3.0.08  
pc-nfs3.0.1  
pex-si1.1  
phigs1.0  
phigs1.1  
progalarm1.0  
scp1.0  
scp2.0  
scp3.0  
scp5.0  
scp6.0  
sna32701.0  
sna32703.0  
sna32704.0  
sna32705.0  
sna32705.1  
sna32706.0  
sna32706.1  
snapeer5.0  
snapeer6.0  
spe1.0  
sun386i1.0  
sun386i4.0  
sun386i4.0.1  
sun4-3.2  
sun58te1.0  
sundraw1.0  
suningres3.0/25  
suningres5.0  
suningres5.1  
sunipc1.1  
sunipc1.2  
sunpaint1.0  
sunpvi1.05  
sunpvi2.00  
sunsimplify1.0  
sunsimplify1.1  
suntrac1.2  
suntrac1.3  
sununify1.0  
sununify2.0  
sununify3.0  
sunview11.75  
sunwrite1.0  
sys4-3.2  
sys4-3.2l  
te1004.0  
te1006.0  
te2201.00  
x255.2  
x256.0

---

## Revision History

<i>Revision</i>	<i>Date</i>	<i>Comments</i>
<b>FINAL</b>	November 1989	This is the second issue of the Online Bugs Database Reference Manual, developed by Technical Information Services (TIS), Technical Support Services (TSS). This update reflects the change from SunUNIFY 2.0 to SunUNIFY 3.0. A keyword search criteria has also been added.





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