The DECEvent Graphical User Interface User's Guide

Order Number: AA-QE26C-TE

This manual is for users of DECEvent who can access the DECEvent graphical user interface. Please note that although the Graphical User Interface (GUI) code is functional on OpenVMS Alpha systems, this manual was originally produced for use on DIGITAL UNIX systems. The examples and results of commands shown in this version depict use on a DIGITAL UNIX system. You must use OpenVMS Alpha commands to use this GUI on OpenVMS Alpha systems.

Date: April 1997

DECEvent Version: V2.4

DIGITAL UNIX Version: V3.0 or higher

OpenVMS Alpha Version: V6.2 or higher

OpenVMS VAX Version: V6.2 or higher

Digital Equipment Corporation Maynard, Massachusetts

The information in this document is subject to change without notice and should not be construed as a commitment by Digital Equipment Corporation. Digital Equipment Corporation assumes no responsibility for any errors that may appear in this document.

The software described in this document is furnished under a license and may be used or copied only in accordance with the terms of such license.

No responsibility is assumed for the use or reliability of software on equipment that is not supplied by Digital Equipment Corporation or its affiliated companies.

Restricted Rights: Use, duplication, or disclosure by the U.S. Government is subject to restrictions as set forth in subparagraph (c) (1) (ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013.

Copyright © Digital Equipment Corporation 1996
Preface

Who Should Read This Book
Conventions
Examples

Welcome to the DECEvent graphical user interface! The DECEvent interface is based on Motif Window Manager, a program designed to make your interaction with your computer easier and more productive.

This guide is intended to teach you how to use the DECEvent graphical user interface. Therefore, this guide provides only a brief overview of the Motif Window Manager; it is not intended to be a comprehensive introduction to windows or to the DECEvent application.

Contents

Preface
Chapter 1 Overview of the DECEvent Event Management Utility
Chapter 2 Getting Started with DECEvent
Chapter 3 Translating Event Logs
Chapter 4 Saving Reports
Chapter 5 Printing Reports
Chapter 6 Performing Manual Event Analysis
Chapter 7 Performing Automatic Event Analysis
Chapter 8 Displaying Rulesets
Chapter 9 Performing Dump and Binary Translations
Chapter 10 Customizing DECEvent Options
Appendix A Using the Motif Window Manager
Appendix B Using the Keyboard Instead of a Mouse
Appendix C DECEvent Menus
Appendix D DECEvent CLI Commands
Table 1 For Additional Information

<table>
<thead>
<tr>
<th>For more information about ...</th>
<th>See the ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to use the Motif Window Manager</td>
<td>OSF/Motif User's Guide</td>
</tr>
<tr>
<td>DECevent translation</td>
<td>DECevent Reporting and Translation User's Guide</td>
</tr>
<tr>
<td>DECevent Analysis and Notification</td>
<td>DECevent Analysis and Notification User's Guide</td>
</tr>
</tbody>
</table>

Who Should Read This Book

The DECevent Graphical User Interface User's Guide is intended for anyone who uses the DECevent graphical user interface to translate and display event logs, generate reports, perform event analysis or display rulesets. This includes system managers, service personnel, and DIGITAL customers.

Conventions

This guide uses the following conventions:

- **Boldfaced** text represents the names of menu options.
- **Italicized** strings represent variable information that you provide.
- `<Key>` represents a key on the keyboard.

Examples

Examples in this document are provided for illustration purposes only and are not intended to reflect the user's environment.

Chapter 1
Overview of the DECevent Event Management Utility

1.1 Introduction
1.2 Translation
1.3 Analysis and Notification

1.1 Introduction
The DECevent event management utility provides the interface between a system user and the operating system's event logger. DECevent provides the following two main functions:

- **Translation**—DECevent allows a user to translate events into ASCII reports derived from system event entries (bit-to-text translations). Translation and reporting information can be found in the *DECevent Translation and Reporting Utility for DIGITAL UNIX User and Reference Guide*.

- **Analysis and Notification**—DECevent constantly monitors system events in an effort to isolate failing device components through analysis and notifies the proper individuals of a potential problem if necessary. Analysis and notification information can be found in the *DECevent Analysis and Notification Utility for DIGITAL UNIX User and Reference Guide*.

An overview of these two main functions is contained in this chapter.

### 1.2 Translation

Users can request the translation of events from specific event entries into a variety of ASCII reports.

The DECevent utility allows the user the following features related to the translation of events:

- Translating event log entries into readable reports
- Specifying input and output sources
- Filtering and selecting input events
- Selecting alternate report types
- Translating events as they occur
- Maintaining and customizing the user environment

**Necessary Privileges**

DIGITAL UNIX users need super user privileges to use the translation and reporting features of DECevent.

### 1.3 Analysis and Notification

The second, added value function of DECevent provides constant monitoring of a system's event logger. When an event occurs, automatic analysis of the event is performed. Automatic analysis results in the generation of DIGITAL specific theory codes which enables Multivendor Customer Services to identify one or more failing field replaceable units (FRUs).

Depending upon the theory codes generated from analysis, repair actions may be initiated. Also, depending upon the results of analysis, the proper individuals are notified of the event occurrence.

The analysis and notification flags allow the following features:

- Event analysis
- Event notification
Customization of the DECevent environment

In addition to automatic analysis and notification, DECevent allows a system user to perform manual analysis on a user supplied event log. Manual analysis also results in the generation of DIGITAL specific theory codes which enables Multivendor Customer Services to determine a failing FRU.

Necessary Privileges

DIGITAL UNIX users need super user privileges to use the analysis and notification features of DECevent.

Chapter 2
Getting Started with DECevent

2.1 Starting DECevent From a Command Line Interface
2.2 Starting DECevent from the Motif Window Manager
2.3 Elements of the DECevent Window
2.4 Privileges and Other Important Information
2.5 Using Help
2.6 Exiting DECevent

How you start DECevent depends on whether the Motif Window Manager is already running. You can start DECevent either from a command line interface or from the Session Manager window.

2.1 Starting DECevent From a Command Line Interface

Use the following procedure to start DECevent from a command line.

Table 2-1 Starting DECevent From a Command Line

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Step</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>OpenVMS</td>
<td>1</td>
<td>set display/create/node= nodename/transport= transport type¹</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>dia/interface=decw</td>
</tr>
<tr>
<td>OSF/1 (csh)</td>
<td>1</td>
<td>setenv DISPLAY nodename:0.0²</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>xdia</td>
</tr>
<tr>
<td>OSF/1 (sh and ksh)</td>
<td>1</td>
<td>DISPLAY= nodename:0.0</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>EXPORT DISPLAY</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>xdia</td>
</tr>
</tbody>
</table>
¹This command is required only when DECEvent is running from a different node and the display is to a local node.
²This command is required only when DECEvent is running from a different node and the display is to a local node.

---

**Note**

Examples of transport types are DECNET and TCIP

---

**2.2 Starting DECEvent from the Motif Window Manager**

Use the following procedure to start DECEvent from the DECwindows Session Manager.

**Table 2-2 Starting DECEvent From the Session Manager**

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Step</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSF/1</td>
<td>1</td>
<td>Look under <strong>Customize</strong> or <strong>Options</strong> in the Session Manager window for the <strong>Applications Definition</strong> option.</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Click on <strong>Applications Definition</strong> ... The Customize Applications Definitions dialog box appears.</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Enter <strong>DECEvent</strong> in the Menu Item text box.</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Enter the command <strong>xdia</strong> in the Menu Command list box.</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>Click on <strong>Add</strong>. You will see DECEvent in the list of applications in the Menu Items list box.</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Click on <strong>OK</strong>. The Customize Applications Definitions dialog box disappears.</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>Look under <strong>Customize</strong> or <strong>Options</strong> in the Session Manager window for the <strong>Applications Menu</strong> option.</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>Click on <strong>Applications Menu</strong> ... The Customize Applications Menu dialog box appears.</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>Click on <strong>DECEvent</strong> in the Click on items to add list box. DECEvent will appear in the Click on items to remove list box.</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>Click on <strong>OK</strong>. The Customize Applications Menu dialog box disappears.</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>Look under <strong>Customize</strong> or <strong>Options</strong> in the Session Manager window for the <strong>Save Current Settings</strong> option.</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Click on <strong>Save Current Settings</strong>. No dialog box appears.</td>
</tr>
</tbody>
</table>
2.3 Elements of the DECevent Window

Figure 2-1 shows the DECevent window. You should become familiar with the different parts of the window so that you can work comfortably with DECevent.

Figure 2-1 Elements of the DECevent Window

The components of the DECevent window are described in Table 2-3.

Table 2-3 DECevent Window Elements
### 2.4 Privileges and Other Important Information

There are two features particular to the DECeevent GUI of which you should be aware. These are:

- A temporary file is created automatically during a number of DECeevent operations, including continuous translation, dump translation, and manual analysis. This file is created in your default directory, which means you must have write access to your default directory. Normal process termination will delete this file. Should the image terminate unexpectedly (either due to an error or entering a `<CTRL>C`), you may want to delete this file. It is called decevent.out.

- When DECeevent is performing manual translation, a large amount of information may have to be read by the software. This can result in a slight delay before results are displayed.

### 2.5 Using Help

<table>
<thead>
<tr>
<th>Window Element</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Menu Bar</td>
<td>Displays the pull-down menus that allow you to use the DECeevent product</td>
</tr>
<tr>
<td>Horizontal icon menu bar</td>
<td>Duplicates the text-based pull-down menus, allowing you to click on an icon rather than using a pull-down menu.</td>
</tr>
<tr>
<td>Vertical icon menu bar</td>
<td>Shows you where you are in the DECeevent application. When you select an icon, that icon appears in the vertical icon menu bar, thus displaying your current working menu. You can backup one or more levels to a previous menu by selecting the appropriate icon in the vertical menu bar.</td>
</tr>
<tr>
<td>Report area</td>
<td>Displays the results of various DECeevent operations. It is a read-only display, but can be captured and printed or saved to a file by selecting <strong>File/Print</strong> or <strong>File/Save</strong>.</td>
</tr>
<tr>
<td>Control box</td>
<td>Displays a menu that allows you to restore, move, size, minimize, maximize, lower, or close the window. You can also change your workspace layout, or get help on windows.</td>
</tr>
<tr>
<td>Minimize button</td>
<td>Reduces the DECeevent window and all subwindows to an icon in the lower-right corner of your screen.</td>
</tr>
<tr>
<td>Maximize button</td>
<td>Enlarges the DECeevent window to fill your entire screen.</td>
</tr>
<tr>
<td>Horizontal slide bar</td>
<td>Changes the portion of a display that appears in the DECeevent window.</td>
</tr>
<tr>
<td>Session history</td>
<td>Displays the status of your DECeevent session; lists the status of all DECeevent actions, for example: completed translation.</td>
</tr>
<tr>
<td>Context sensitive help</td>
<td>Provides help information for the icon on which the mouse pointer rests.</td>
</tr>
</tbody>
</table>
The DECevent graphical user interface provides on-screen help for every function. You can move or resize the help window so that you can keep it displayed along with the DECevent window.

You can access help in three ways:

- Select **Help** from the menu bar.
- Click on the **Help** button while in a dialog box. This provides information on how to use the dialog box, as well as detailed information about each button in the dialog box.
- Place the mouse pointer over the menu option or icon you want to learn about. Help automatically displays in the Window Navigation Help area at the bottom of the screen, as shown in Figure 2-2.

**Figure 2-2 Using Help with DECevent**

---

### 2.6 Exiting DECevent

To exit from DECevent, choose **File/Exit** from either the pull-down menu bar or the icon menu bar.
Chapter 3
Translating Event Logs

3.1 For More Information
3.2 Quick Overview
3.3 Translating in Automatic Mode
3.4 Translating in Manual Mode

DECevent allows you to translate events from specific event entries into a variety of report formats. You can translate the system event log as errors occur, which is called automatic or continuous mode; or you can perform translation in manual mode for a specified event log.

---

**Required Privilege**

DECevent translation creates a temporary output file, which is written to your current directory. You must have write privileges to your current directory in order to run translation. See Section 2.4 for more information.

---

### 3.1 For More Information

<table>
<thead>
<tr>
<th>For more information about ...</th>
<th>Look here ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic translation</td>
<td>Section 5.1.3 of the <em>DECevent Reporting and Translation User's Guide</em></td>
</tr>
<tr>
<td>Manual translation</td>
<td>Section 5.1.1 of the <em>DECevent Reporting and Translation User's Guide</em></td>
</tr>
<tr>
<td>Customizing manual translation</td>
<td>Appendix D of the <em>DECevent Reporting and Translation User's Guide</em></td>
</tr>
</tbody>
</table>

---

### 3.2 Quick Overview

Table 3-2 Translating an Event Log
To translate the system event log automatically in real-time and have the events displayed in the Report Area of your screen as they occur:

1. Choose **Translate/Auto**. The Qualifier List Dialog Box displays.

![Figure 3-1 The Qualifier List Dialog Box](image)

### 3.3 Translating in Automatic Mode

To translate the system event log automatically in real-time and have the events displayed in the Report Area of your screen as they occur:

To do this ... | Choose ... | Questions? See ...
---|---|---
Translate events as they occur | Translate/Auto | Section 3.3, Translating in Automatic Mode.
Translate an event log in manual mode | Translate/Manual | Section 3.4, Translating in Manual Mode.
2. Select the desired display options. The options available for automatic translation are as follows:

**Output File**
Directs the output of an event log to a file as well as displays the translated event log on the screen. You can enter a file name in the Output File text box or select [ ... ]. Choosing [ ... ] displays the File Selection dialog box.

**Figure 3-2 The File Selection Dialog Box**

Use the File Selection dialog box to select your desired output file.
Table 3-3 Using the File Selection Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select a file</td>
<td>Click on the file name in the Files list box.</td>
</tr>
<tr>
<td>Select a different directory</td>
<td>Double-click on the directory name. The files in that directory appear in the Files list box. You can continue to move down a particular directory path until the desired directory is displayed.</td>
</tr>
<tr>
<td>To view a particular type of file in the currently selected directory</td>
<td>Enter the file extension at the end of the directory path in the Filter text box (for example: /usr/users/smith/* .bin). Click on Filter.</td>
</tr>
</tbody>
</table>

**Include and Exclude**

Allows you to include or exclude certain classifications of objects from the report, such as device types or hosts. You can enter a keyword directly in the text area if you know what keyword you want to include or exclude. Or you can select [ . . . ] on the Qualifier List dialog box. Choosing [ . . . ] displays the Keyword Selection dialog box, which allows you to move the keywords you want to include or exclude in your report from the List of Valid Selections list box to the Current Selections list box.

**Figure 3-3 The Keyword Selection Dialog Box**

![Keyword Selection Dialog Box](image)
### Table 3-4 Using the Keyword Selection Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add a keyword to the Current Selections list box</td>
<td>Double-click the keyword, or click once and choose <strong>Add to Current Selection</strong>.</td>
</tr>
<tr>
<td>Remove a keyword from the Current Selections list box</td>
<td>Click on the keyword and choose <strong>Remove Current Selection</strong>.</td>
</tr>
<tr>
<td>Clear the Current Selections list box</td>
<td>Choose <strong>Clear Current Selection</strong>.</td>
</tr>
<tr>
<td>Modify a keyword</td>
<td>Click on the keyword and choose <strong>Modify Current Selection</strong>. If the keyword has a value associated with it, that value appears in the Value text box. The Selection text box shows you the keyword for which you are changing the value. Clicking on the Value text box allows you to change the value. <strong>The value is changed only for your current job.</strong> When you have finished changing the value, enter &lt;RETURN&gt;. You can cancel at any time by choosing <strong>Cancel</strong>.</td>
</tr>
<tr>
<td>Implement your changes</td>
<td>Choose <strong>OK</strong>.</td>
</tr>
</tbody>
</table>

**Caution**

Once you make your changes and exit the Keyword Selection dialog box, you cannot return to make additional changes. Calling up the Keyword Selection dialog box again re-initializes it, eliminating your previous choices. Additional changes must be made in the Exclude and Include text boxes in the Qualifier List dialog box.
Output Report Type

You can choose among four different report types. You can choose Full, Brief, Terse, or Fast Error. To change the report type, enter the desired report format into the text area, or select a format from the option menu to the right of the text area.

3. Choose Cancel if you decide not to run automatic translation. Otherwise, choose OK. The Continuous Translation Dialog Box displays.

Figure 3-4 The Continuous Translation Dialog Box

![Continuous Translation Dialog Box]

Table 3-5 Using the Continuous Translation Dialog Box
3.4 Translating in Manual Mode

To display a translated event log on your screen:

1. Choose Translate/Manual. The Qualifier List Dialog Box displays.

   Figure 3-5 The Qualifier List Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Begin automatic translation</td>
<td>Choose Start Continuous Translation.</td>
</tr>
<tr>
<td>To exit automatic translation</td>
<td>Choose Stop Continuous Translation.</td>
</tr>
<tr>
<td>Return to the Translate menu without initiating automatic translation</td>
<td>Choose Cancel.</td>
</tr>
</tbody>
</table>

Note

Once you have initiated automatic mode, you cannot specify any other DECevent action until you stop automatic mode by clicking on the Stop Continuous Translation button.
2. Select the desired display options. The options available for manual translation are as follows:

**Input File**

Specifies which file(s) are to be translated. If you leave this field blank, the system default event log is translated. You can enter a file name in the Input File text box or select [...] . Choosing [...] displays the Multiple File Selection dialog box.

**Figure 3-6 The Multiple File Selection Dialog Box**
You can use the Multiple File Selection dialog box to select one or more input files. Every file that appears in the Current File List list box is used as an input file for the translation information.

---

**Note**

*To see the entire Multiple File Selection screen, it may be necessary to expand the dialog box by grabbing the right side with the mouse and dragging to a larger size.*

---

**Table 3-6 Using the Multiple File Selection Dialog Box**

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move a file from the Files list box to the Current File List list box</td>
<td>Double-click on the file name in the Files list box.</td>
</tr>
<tr>
<td>Select a different directory</td>
<td>Double-click on the desired directory; or click on the desired directory, then choose <strong>Filter</strong>.</td>
</tr>
<tr>
<td>Remove a file from the Current File List list box</td>
<td>Click on the file you wish to remove, then choose <strong>Delete</strong>.</td>
</tr>
<tr>
<td>To remove all files from the Current File List list box</td>
<td>Choose <strong>Clear List</strong>.</td>
</tr>
<tr>
<td>To view a particular type of file in the currently selected directory</td>
<td>Enter the file extension at the end of the directory path name in the Filter text box (for example: /usr/users/smith/ <em>.</em>.bin). Click on <strong>Filter</strong>.</td>
</tr>
</tbody>
</table>

---

**Output File**

Directs the output of an event log to a file as well as displays the translated event log on the screen. You can enter a file name in the Output File text box or select [. . .]. Choosing [. . .] displays the File Selection dialog box.

---

**Figure 3-7 The File Selection Dialog Box**
Use the File Selection dialog box to select your desired output file.

Table 3-7 Using the File Selection Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select a file</td>
<td>Click on the file name in the Files list box.</td>
</tr>
<tr>
<td>Select a different directory</td>
<td>Double-click on the directory name. The files in that directory appear in the Files list box. You can continue to move down a particular directory path until the desired directory is displayed.</td>
</tr>
<tr>
<td>To view a particular type of file in the directory path</td>
<td>Enter the file extension at the end of the directory path in the Filter text box (for example: /usr/users/smith/*.bin). Click on Filter.</td>
</tr>
</tbody>
</table>
Reverse Check Box

Causes the most recent events to be displayed first.

Include and Exclude

Allows you to include or exclude certain classifications of objects from the report, such as device types or hosts. You can enter a keyword directly in the text area if you know what keyword you want to include or exclude. Or you can select [...] on the Qualifier List dialog box. Choosing [...] displays the Keyword Selection dialog box, which allows you to move the keywords you want to include or exclude in your report from the List of Valid Selections list box to the Current Selections list box.

Figure 3-8 The Keyword Selection Dialog Box
Table 3-8 Using the Keyword Selection Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add a keyword to the Current Selections list box</td>
<td>Double-click the keyword, or click once and choose Add to Current Selection.</td>
</tr>
<tr>
<td>Remove a keyword from the Current Selections list box</td>
<td>Click on the keyword and choose Remove Current Selection.</td>
</tr>
<tr>
<td>Modify a keyword</td>
<td>Click on the keyword and choose Modify Current Selection. If the keyword has a value associated with it, that value appears in the Value text box. The Selection text box shows you the keyword for which you are changing the value. Clicking on the Value text box allows you to change the value. <strong>The value is changed only for your current job.</strong> When you have finished changing the value, enter &lt;RETURN&gt;. You can cancel at any time by choosing Cancel.</td>
</tr>
<tr>
<td>Implement your changes</td>
<td>Choose OK.</td>
</tr>
</tbody>
</table>

**Caution**

Once you make your changes and exit the Keyword Selection dialog box, you cannot return to make additional changes. Calling up the Keyword Selection dialog box again re-initializes it, eliminating your previous choices. Additional changes must be made in the Exclude and Include text boxes in the Qualifier List dialog box.

**Start Time and Stop Time**

Allows you to specify a beginning and/or ending date and time for the list of events displayed. You can enter a time directly in the format dd-mmm-yyyy:h:m:s, or choose [ . . . ] on the Qualifier List dialog box. Choosing [ . . . ] displays the Time Selection dialog box.
Recommendation

Entering a time value by using [...] ensures that you enter the time in the correct format for your platform.

Figure 3-9 The Time Selection Dialog Box

Table 3-9 Using the Time Selection Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter a start date and/or time</td>
<td>Click on the words <strong>Start Date</strong>. Enter the date and time by moving the sliders for day, month, year, hours, minutes, and seconds. If you enter an incorrect date or time, click on the <strong>Clear</strong> button. When you are finished entering the date and time, click on <strong>Apply</strong>.</td>
</tr>
<tr>
<td>Enter a stop date and/or time</td>
<td>Click on the words <strong>Stop Date</strong>. Enter the date and time by moving the sliders for day, month, year, hours, minutes, and seconds. If you enter an incorrect time, click on the <strong>Clear</strong> button. When you are finished entering the date and time, click on <strong>Apply</strong>.</td>
</tr>
<tr>
<td>Save your changes and exit the Time Selection Dialog Box</td>
<td>Click <strong>OK</strong>.</td>
</tr>
<tr>
<td>Exit the Time Selection Dialog Box without saving your</td>
<td>Click on <strong>Cancel</strong>.</td>
</tr>
</tbody>
</table>
Log

Displays informational messages about the number of entries selected and rejected while a file is being processed. This information appears in the Report area of your screen.

Start Entry Number and Stop Entry Number

Indicates the relative position of every entry in an event log from the start of the file. Higher entry numbers reflect more recent events. To limit the report to selected entries, enter a start and/or stop entry number. The number must be a positive whole number. If you enter both a start and stop entry number, the stop entry number must be greater than the start entry number. If you don't enter a start entry number, translation starts at the beginning of the file. If you don't enter a stop entry number, translation continues until the end of the file.

Output Report Type

You can choose among four different report types. You can choose Full, Brief, Terse, or Fast Error. To change the report type, enter the desired report format into the text area, or select a format from the option menu to the right of the text area.

Host or Node Name

Allows you to select event entries based on node name by entering a value in the Host or Node Name text box. Choose OK to begin translation. Choose Cancel if you decide not to perform translation.

Chapter 4

Saving Reports

Once you have created a report using translation or analysis, you can save that report to a file.

4.1 For More Information

Table 4-1 More Information

For more information about ... | Look here ...
--- | ---
Software | Section 3.4.2 of the DECnet Reference and Technical Notes
4.2 Quick Overview

Table 4-2 Saving a Report

<table>
<thead>
<tr>
<th>To do this</th>
<th>Choose</th>
<th>Questions? See</th>
</tr>
</thead>
<tbody>
<tr>
<td>Save a report</td>
<td>File/Save As</td>
<td>Section 4.3, Saving a Report</td>
</tr>
</tbody>
</table>

4.3 Saving a Report

To save a report:

1. Choose File/Save As. The Save As Dialog Box displays.

Figure 4-1 The Save As Dialog Box
The default directory displays in the Selection box. To view other directories, double-click on the .. in the Directories list box. If you select a different directory in the Directories list box by double-clicking your selection, a different list of files appears in the Files list box, and the Filter box changes to reflect the new directory. You can also view a particular type of file within a directory by using the Filter text box. At the end of the path name, enter the type of file for which you wish to screen (for example, usr/users/smith/*.bin.) Click on Filter.

2. Click on a file name in the Files list box, or enter a file name in the Selection box. (Include the path name if the directory is different from the current directory.)

3. Choose OK to save the file. (If you double-click on the file name in the Files list box, you do not need to choose OK.)

4. Choose Cancel if you do not want to save the file.

---

Chapter 5

Printing Reports

5.1 Quick Overview
5.2 Printing a Report

You can print the report that is currently in the Report Area of your DECEvent window.

5.1 Quick Overview

Table 5-1 Printing a Report

<table>
<thead>
<tr>
<th>To do this ...</th>
<th>Choose ...</th>
<th>Questions? See ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print a report</td>
<td>File/Print...</td>
<td>Section 5.2, Printing a Report</td>
</tr>
</tbody>
</table>

5.2 Printing a Report

To print a report:
1. Choose **File/Print** (not currently implemented) or **File/Print...**. 
**File/Print ...** displays the Print dialog box.

**Figure 5-1 The Print Dialog Box**

2. Specify the desired number of copies. You can specify from 1 to 255 copies.

3. Specify the print format in the Print Format list box.

4. Specify the printer type in the Printer list box.

5. Specify when you want the file to be printed in the Print After text box using a dd-mmm-yyyy hh:mm format.

6. Indicate if you want the file deleted after it is printed.

7. If you want to specify additional print options, choose **Options**.

   The Print Options Dialog Box displays.

**Figure 5-2 The Print Options Dialog Box**
8. Select the desired Print options:

**Sides**

Specifies whether your file is printed on one or two sides of the paper. Choose Help for more information.

**Pass Control Characters**

Causes special control characters in the file to be passed directly on to the printer. Not selecting this option causes the printer to ignore special control characters.

**Header**

Causes a heading line to be printed at the top of each page.

**Notify when Done**
Causes the system to send you a message when the file is through printing.

**Start Sheet Comment**

Allows you to specify what text you want to appear on the first sheet of the printed file.

**Job Name**

Allows you to specify a job name rather than using the default job name.

9. Choose **OK** to return to the Print dialog box.

10. Choose **OK** to print the document.

Choose **Cancel** if you want to cancel the print job.

---

**Chapter 6**

**Performing Manual Event Analysis**

6.1 For More Information

6.2 Quick Overview

6.3 Manual Analysis

DECevent analysis uses events on a system to isolate a failing field replaceable unit. You can perform analysis automatically or manually. This chapter discusses manual analysis only. For information on starting automatic analysis, see Chapter 7.

---

**Required Privileges**

Manual analysis creates an output file, which is written to your current directory. You must have write privileges to your current directory in order to run manual analysis. See Section 2.4 for more information.

---

**6.1 For More Information**

**Table 6-1 More Information**

<table>
<thead>
<tr>
<th>For more information about ...</th>
<th>Look here ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performing manual event analysis</td>
<td>Section 4.2 in the DECevent Analysis and Notification</td>
</tr>
</tbody>
</table>
6.2 Quick Overview

Table 6-2 Performing Manual Analysis

<table>
<thead>
<tr>
<th>To do this ...</th>
<th>Choose ...</th>
<th>Questions? See ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start manual analysis</td>
<td>Analysis/Manual</td>
<td>Section 6.3, Manual Analysis</td>
</tr>
</tbody>
</table>

6.3 Manual Analysis

Manual analysis performs analysis on an event log specified by you.

To start manual analysis:


   Figure 6-1 The Qualifier List Dialog Box
2. Select the desired display options. The options available for manual analysis are as follows:

**Input File**

Specifies which file(s) are to be translated. If you leave this field blank, the system default event log is translated. You can enter a file name in the Input File text box or select ... Choosing ... displays the Multiple File Selection dialog box.

**Figure 6-2 The Multiple File Selection Dialog Box**

You can use the Multiple File Selection dialog box to select one or more input files. Every file
that appears in the Current File List list box is used as an input file for the translation information.

---

**Note**

To see the entire Multiple File Selection screen, it may be necessary to expand the dialog box by grabbing the right side with the mouse and dragging to a larger size.

---

**Table 6-3 Using the Multiple File Selection Dialog Box**

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move a file from the Files list box to the Current File List list box</td>
<td>Double-click on the file name in the Files list box.</td>
</tr>
<tr>
<td>Select a different directory</td>
<td>Double-click on the desired directory; or click on the desired directory, then choose <strong>Filter</strong>.</td>
</tr>
<tr>
<td>Remove a file from the Current File List list box</td>
<td>Click on the file you wish to remove, then choose <strong>Delete</strong>.</td>
</tr>
<tr>
<td>To remove all files from the Current File List list box</td>
<td>Choose <strong>Clear List</strong>.</td>
</tr>
<tr>
<td>To view a particular type of file in the currently selected directory</td>
<td>Enter the file extension at the end of the directory path in the Filter text box (for example: /usr/users/smith/* .bin). Click on <strong>Filter</strong>.</td>
</tr>
</tbody>
</table>

---

**Output File**

Directs the output of an event log to a file as well as displays the translated event log on the screen. You can enter a file name in the Output File text box or select [ ... ]. Choosing [ ... ] displays the File Selection dialog box.

**Figure 6-3 The File Selection Dialog Box**
You can use the File Selection dialog box to select your desired output file.

Table 6-4 Using the File Selection Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select a file</td>
<td>Click on the file name in the Files list box.</td>
</tr>
<tr>
<td>Select a different directory</td>
<td>Double-click on the directory name. The files in that directory appear in the Files list box. You can continue to move down a particular directory path until the desired directory is displayed.</td>
</tr>
<tr>
<td>View a particular type of file in the currently selected directory</td>
<td>Enter the file extension at the end of the directory path in the Filter text box (for example: /usr/users/smith/*.bin). Click on Filter.</td>
</tr>
</tbody>
</table>

**Include and Exclude**

Allows you to include or exclude certain classifications of objects from the report, such as device types or hosts. You can enter a keyword directly in the text area if you know what...
device types or hosts. You can enter a keyword directly in the text area if you know what keyword you want to include or exclude. Or you can select [...] on the Qualifier List dialog box. Choosing [...] displays the Keyword Selection dialog box, which allows you to move the keywords you want to include in your report from the List of Valid Selections list box to the Current Selections list box.

**Figure 6-4 The Keyword Selection Dialog Box**

![Keyword Selection Dialog Box](image)

**Table 6-5 Using the Keyword Selection Dialog Box**

<table>
<thead>
<tr>
<th>To perform this action</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add a keyword to this Current Selections list box</td>
<td>Double-click the keyword, or click once and choose <strong>Add to Current Selection</strong>.</td>
</tr>
<tr>
<td>Modify a keyword</td>
<td>Click on the keyword and choose <strong>Modify Current Selection</strong>. If the keyword has a value associated with it, that value appears in the Value text box. The Selection text box shows you the keyword for which you are changing the value. <strong>The value is changed only for your current job.</strong> When you have finished changing, press &lt;RETURN&gt;. You can cancel at any time by choosing <strong>Cancel</strong>.</td>
</tr>
<tr>
<td>Implement your...</td>
<td>Choose <strong>OK</strong>.</td>
</tr>
</tbody>
</table>
Caution

Once you make your changes and exit the Keyword Selection dialog box, you cannot return to make additional changes. Calling up the Keyword Selection dialog box again re-initializes it, eliminating your previous choices. Additional changes must be made in the Exclude and Include text boxes in the Qualifier List dialog box.

Start Time and Stop Time
Allows you to specify a beginning and/or ending time for the list of events displayed. You can enter a time directly in the format dd-mmm-yyyy;h:m:s, or choose [...] on the Qualifier List dialog box. Choosing [...] displays the Time Selection dialog box.

Recommendation

Entering a time value by using [...] ensures that you enter the time in the correct format for your platform.

Figure 6-5 The Time Selection Dialog Box

Table 6-6 Using the Time Selection Dialog Box

| To perform this | Do this ...
|-----------------|-------------|
Log
Displays informational messages about the number of entries selected and rejected while a file is being processed. This information appears in the Report area of your screen.

Start Entry Number and Stop Entry Number
Indicates the relative position of every entry in an event log from the start of the file. Higher entry numbers reflect more recent events. To limit the report to selected entries, enter a start and/or stop entry number. The number must be a positive whole number. If you enter both a start and stop entry number, the stop entry number must be equal to or greater than the start entry number. If you don't enter a start entry number, translation starts at the beginning of the file. If you don't enter a stop entry number, translation continues until the end of the file.

Host or Node Name
Allows you to select event entries based on node name by entering a value in Host or Node Name.

3. Choose OK to begin manual analysis.
Choose Cancel if you decide not to display the file.

<table>
<thead>
<tr>
<th>action ...</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter a start date and/or time</td>
<td>Click on the words <strong>Start Date</strong>. Enter the date and time by moving the sliders for day, month, year, hours, minutes, and seconds. If you enter an incorrect date or time, click on the <strong>Clear</strong> button. When you are finished entering the date and time, click on <strong>Apply</strong>.</td>
</tr>
<tr>
<td>Enter a stop date and/or time</td>
<td>Click on the words <strong>Stop Date</strong>. Enter the date and time by moving the sliders for day, month, year, hours, minutes, and seconds. If you enter an incorrect time, click on the <strong>Clear</strong> button. When you are finished entering the date and time, click on <strong>Apply</strong>.</td>
</tr>
<tr>
<td>Save your changes and exit the Time Selection Dialog Box</td>
<td>Click <strong>OK</strong>.</td>
</tr>
<tr>
<td>Exit the Time Selection Dialog Box without saving your changes</td>
<td>Click <strong>Cancel</strong>.</td>
</tr>
</tbody>
</table>

**Chapter 7**
Performing Automatic Event Analysis

7.1 For More Information
7.2 Quick Overview
7.3 Automatic Analysis
7.4 Modifying Internal Distribution Lists
7.5 Performing SICL Actions
7.6 Modifying External Distribution lists
7.7 Updating System Information
7.8 Changing Device Thresholds
7.9 Ignoring Devices
7.10 Recognizing Ignored Devices
7.11 Starting Continuous Analysis
7.12 Noting Repair Information
7.13 Displaying System Parameters
7.14 Displaying Devices That Have Generated Theories
7.15 Removing Analysis Information
7.16 Displaying a report showing exceeded DSG thresholds
7.17 Displaying a report of all device types and classes

DECeevent analysis uses events on a system to isolate a failing field replaceable unit. You can perform analysis automatically or manually. This chapter discusses automatic analysis only. For information on performing manual analysis, see Chapter 6.

7.1 For More Information

Table 7-1 More Information

<table>
<thead>
<tr>
<th>For more information about ...</th>
<th>Look here ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performing automatic analysis</td>
<td>Section 4.3 in the DECeevent Analysis and Notification User's Guide.</td>
</tr>
<tr>
<td>Performing manual analysis</td>
<td>Chapter 6.</td>
</tr>
<tr>
<td>General information on DECeevent analysis</td>
<td>DECeevent Analysis and Notification User's Guide.</td>
</tr>
</tbody>
</table>

7.2 Quick Overview

Table 7-2 Starting Automatic Analysis

<table>
<thead>
<tr>
<th>To do this ...</th>
<th>Choose ...</th>
<th>Questions? See ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start automatic analysis</td>
<td>Analysis/Auto</td>
<td>Section 7.3, Automatic Analysis.</td>
</tr>
</tbody>
</table>
7.3 Automatic Analysis

To start automatic analysis:

1. Choose **Analysis/Auto**. You can customize how analysis is performed, as shown in **Table 7-3**.

### Table 7-3 Customizing Automatic Analysis

<table>
<thead>
<tr>
<th>To do this ...</th>
<th>Choose ...</th>
<th>Questions? See ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display or change internal distribution lists</td>
<td>Notify/Mail</td>
<td>Section 7.4, Modifying Internal Distribution Lists</td>
</tr>
<tr>
<td>Perform SICL actions (turn SICL state on or off, register SICL, or test SICL)</td>
<td>Notify/SICL</td>
<td>Section 7.5, Performing SICL Actions</td>
</tr>
<tr>
<td>Display or change external distribution lists</td>
<td>Notify/External</td>
<td>Section 7.6, Modifying External Distribution lists</td>
</tr>
<tr>
<td>Provide information on a new system or change system information</td>
<td>Sys Info</td>
<td>Section 7.7, Updating System Information</td>
</tr>
<tr>
<td>Display or change device thresholds</td>
<td>Threshold</td>
<td>Section 7.8, Changing Device Thresholds</td>
</tr>
<tr>
<td>Ignore devices</td>
<td>Ignore</td>
<td>Section 7.9, Ignoring Devices</td>
</tr>
<tr>
<td>Recognize previously ignored devices</td>
<td>Ignore</td>
<td>Section 7.10, Recognizing Ignored Devices</td>
</tr>
<tr>
<td>Start continuous analysis</td>
<td>Start Auto</td>
<td>Section 7.11, Starting Continuous Analysis</td>
</tr>
<tr>
<td>Make a note of repair information on repaired devices</td>
<td>Repair</td>
<td>Section 7.12, Noting Repair Information</td>
</tr>
<tr>
<td>Remove repair information</td>
<td>Repair</td>
<td>Section 7.12, Noting Repair Information</td>
</tr>
<tr>
<td>Display system parameters</td>
<td>Show/Parameter</td>
<td>Section 7.13, Displaying System Parameters</td>
</tr>
<tr>
<td>Display all devices that have generated theories</td>
<td>Show/Theory</td>
<td>Section 7.14, Displaying Devices That Have Generated Theories</td>
</tr>
<tr>
<td>Remove analysis information about one or more devices</td>
<td>Flush</td>
<td>Section 7.15, Removing Analysis Information</td>
</tr>
<tr>
<td>Display a report of all DSE thresholds that have been exceeded</td>
<td>Show/Summary ¹</td>
<td>Section 7.16, Displaying a report showing exceeded DSG threshold</td>
</tr>
<tr>
<td>Display a report of all device types and their associated device class</td>
<td>Show/Type ¹</td>
<td>Section 7.17, Displaying a report on all device types and classes</td>
</tr>
</tbody>
</table>
¹The previous release of the GUI for DECevent was missing the SHOW SUMMARY and SHOW TYPE functionality. These two functions are now added to the pull down menu, but not to the icon bar. Therefore, an inconsistency exists between the icon bar and pull down menu. See |hotspot#17| in |hotspot#18| for additional information.

7.4 Modifying Internal Distribution Lists

To display or modify an internal distribution list:

1. Choose Analysis/Auto/Notify/Mail. The Mail Dialog Box displays.

   Figure 7-1 The Mail Dialog Box

2. Select the mailing list you wish to modify from the Mailing List list box. The contents of that mailing list displays in the User list box.

Table 7-4 Using the Mail Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add a user to the highlighted mailing list</td>
<td>Click on the User text box and enter the user's name. Click on All if you want the user added to every mailing list (except SICL). Choose Add Use to add the user to the mailing list(s). Caution: Once you have clicked on Add User, you cannot cancel the operation by choosing Cancel.</td>
</tr>
<tr>
<td>Remove a user</td>
<td>Highlight the user's name in the User list box. Click on All if you want the</td>
</tr>
</tbody>
</table>
3. Continue adding and removing users as needed.
When you are ready to exit the Mail dialog box, choose OK.

### 7.5 Performing SICL Actions

To perform SICL actions such as registering SICL or turning the SICL state on or off:

1. Choose **Analysis/Auto/Notify/SICL**. The Test SICL Dialog Box displays.

#### Figure 7-2 The Test SICL Dialog Box

![The Test SICL Dialog Box](image)

#### Table 7-5 Using the Test SICL Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change the SICL state</td>
<td>Click on the desired state, ON or OFF.</td>
</tr>
</tbody>
</table>
2. Choose **OK** to exit the Test SICL dialog box.

---

**Note**

The SICL state modification is only saved for the current session.

---

### 7.6 Modifying External Distribution lists

To display or change an external distribution list:

1. Choose **Analysis/Auto/Notify/External**. The Notify Dialog Box displays.

   **Figure 7-3 The Notify/External Dialog Box**

   ![Notify/External Dialog Box](image)

   **Table 7-6 Using the Notify/External Dialog Box**

<table>
<thead>
<tr>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Register SICL</td>
<td>Click on Register SICL.</td>
</tr>
<tr>
<td>Test SICL</td>
<td>Click on Test SICL. You can only test SICL when the SICL state is on.</td>
</tr>
</tbody>
</table>
2. Choose **OK** to exit the Notify dialog box.

### 7.7 Updating System Information

To provide information on a new system or change system information:

1. Choose **Analysis/Auto/System Information**. The System Information Dialog Box displays.

   **Figure 7-4 The System Information Dialog Box**

<table>
<thead>
<tr>
<th>To perform this action...</th>
<th>Do this...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove a file</td>
<td>Select a file from either the Customer or Reserve list box and click the Remove From List button. <strong>Caution:</strong> Once you have clicked on Remove From List, you cannot cancel the operation by choosing Cancel.</td>
</tr>
<tr>
<td>Add a file</td>
<td>Select either the Reserve or Customer button, click the Add To List button and enter the file name into the List Name text field. Pressing &lt;RETURN&gt; enters the new name into the list. <strong>Caution:</strong> Once you have clicked on Add to List, you cannot cancel the operation by choosing Cancel.</td>
</tr>
<tr>
<td>Test a list</td>
<td>Select either the customer or reserve button, then click the Test List button.</td>
</tr>
</tbody>
</table>
Note

The SICL state display in Figure 7-4 is for information only. See Section 7.5 for the procedure to change the SICL state.

Table 7-7 Using the System Information Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove a system</td>
<td>Highlight the system name in the Sys Info list box and click on <strong>Remove System</strong>. Caution: Once you have clicked on Remove System, you cannot cancel the operation by choosing <strong>Cancel</strong>.</td>
</tr>
<tr>
<td>Add system information</td>
<td>Enter the serial number, system type, and the node information in the text field. Click on <strong>Set System Information</strong>. Caution: Once you have clicked on Set System Information, you cannot cancel the operation by choosing <strong>Cancel</strong>.</td>
</tr>
<tr>
<td>Modify system information</td>
<td>Highlight the system name in the Sys Info list box and enter the new serial number, system type, and the node information in the text fields. Click on <strong>Set System Information</strong>. Caution: Once you have clicked on Set System Information, you cannot cancel the operation by choosing <strong>Cancel</strong>.</td>
</tr>
</tbody>
</table>

2. To exit the System Information dialog box, choose **OK**. To cancel any changes **prior to choosing Remove System or Set System Information**, choose **Cancel**.

7.8 Changing Device Thresholds

To display device thresholds or change customer threshold settings:

1. Choose **Analysis/Auto/Threshold**. The Threshold Dialog Box displays.

Figure 7-5 The Threshold Dialog Box
Table 7-8 Using the Threshold Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this...</th>
</tr>
</thead>
<tbody>
<tr>
<td>View information about a device</td>
<td>Click on that device in the Device list box.</td>
</tr>
<tr>
<td>Change customer information</td>
<td>Click on the CUS text box and enter the new information. The DSE and Cnt fields cannot be changed.</td>
</tr>
<tr>
<td>Apply changes</td>
<td>Choose <strong>Set Threshold</strong>. Enter an entire column of Cus information prior to choosing <strong>Set Threshold</strong>. You must choose <strong>Set Threshold</strong> prior to entering thresholds for another device. <strong>Caution:</strong> Once you have clicked on <strong>Set</strong>...</td>
</tr>
</tbody>
</table>
7.9 Ignoring Devices

To ignore a particular device or type of device:

1. Choose **Analysis/Auto/Ignore/Recognize**. The Ignore/Recognize Dialog Box displays.

Figure 7-6 The Ignore/Recognize Dialog Box

<table>
<thead>
<tr>
<th>Exit the dialog box</th>
<th>Choose OK</th>
</tr>
</thead>
</table>

Note

You may ignore any device you choose. The type, however, must be within the thresholds for another device. Caution: Once you have clicked on Set Threshold, you cannot cancel the operation by choosing Cancel.
recognized by DECevent before it can be ignored.

Table 7-9 Using the Ignore/Recognize Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ignore a device</td>
<td>Click on <strong>Device</strong>. Enter the device name in the Device or Type to Ignore text box. Enter &lt;RETURN&gt;, then choose <strong>Ignore</strong>. <strong>Caution: Once you have clicked on Ignore, you cannot cancel the operation by choosing Cancel.</strong></td>
</tr>
<tr>
<td>Ignore a type</td>
<td>Click on <strong>Type</strong>. Enter the type in the Device or Type to Ignore text box. Enter &lt;RETURN&gt;, then choose <strong>Ignore</strong>. <strong>Caution: Once you have clicked on Ignore, you cannot cancel the operation by choosing Cancel.</strong></td>
</tr>
<tr>
<td>Exit the Ignore/Recognize dialog box</td>
<td>Choose <strong>OK</strong>.</td>
</tr>
</tbody>
</table>

7.10 Recognizing Ignored Devices

To recognize a device that has been previously ignored:

1. Choose **Analysis/Auto/Ignore/Recognize**. The Ignore/Recognize Dialog Box displays.

Figure 7-7 The Ignore/Recognize Dialog Box
2. Highlight the device or type you wish to recognize.

3. Click on the Recognize button. Caution: Once you have clicked on Recognize, you cannot cancel the operation by choosing Cancel.

4. Choose OK to exit the Ignore/Recognize dialog box.

### 7.11 Starting Continuous Analysis

To start or stop automatic continuous analysis:

1. Choose Analysis/Auto/Start Auto. The Start Continuous Dialog Box displays.

   Figure 7-8 The Continuous Analysis Dialog Box
2. Enter the name of the node on which you wish to perform continuous analysis.

3. Click on the **Start Continuous Analysis** button or choose **Cancel** if you decide not to start continuous analysis.

4. When you want to discontinue continuous analysis, enter the node on which you want to stop continuous analysis.

5. Click on the **Stop Continuous Analysis** button.

### 7.12 Noting Repair Information

To make a note of repair information on devices:

1. Choose **Analysis/Auto/Repair**. The Repair Dialog Box displays.

   **Figure 7-9 The Repair Dialog Box**

   - **DECevent**
   - **Repairs Devices**
     - PUA
     - DIA2
     - DIA1
     - MOTHRAS$DKB100
     - RUBY1
   - **Repair**
   - **Remove**
2. To repair a device, enter the Device Name, the Date/Time, and the Action. Move from one text field to the next by entering <RETURN>. Then choose Repair.

Note

When a device has been repaired more than once, the device name will appear multiple times in the Repair dialog box. Each appearance of the device name indicates a different repair. To ensure that the correct repair is displayed, check the Date/Time text field box.

3. To remove repair information, click on the device in the Repaired Devices list box. Then choose Remove Repair.

7.13 Displaying System Parameters

To display system parameters, choose Analysis/Auto/Show/Parameters. The information appears in the Report Area of your DECevent screen. To save this information, choose File/Save.

7.14 Displaying Devices That Have Generated Theories

To display all the devices that have generated a theory choose Analysis/Auto/Show/Theory. The information appears in the Report Area of your DECevent screen. To save this information, choose File/Save.

7.15 Removing Analysis Information

To remove analysis information about one or more devices:

1. Choose Analysis/Auto/Flush. The Flush Dialog Box displays.
2. Highlight the node or device you wish to flush.

3. Choose **OK** to flush the node or device.

**Caution**

Flush normally should not be used. After you choose Flush, DECevent loses all state information associated with the flushed device. This could keep DECevent from correctly detecting a problem with the device.

Choose **Cancel** if you decide not to perform a flush operation.

### 7.16 Displaying a report showing exceeded DSG thresholds
To display a report of all DSG thresholds that have been exceeded, choose **Analysis/Auto/Show/Type**. The information appears in the Report Area of your DECevent screen. To save this information, choose **File/Save**.

---

**Note**

The previous release of the GUI for DECevent was missing the SHOW SUMMARY and SHOW TYPE functionality. These two functions are now added to the pull down menu, but not to the icon bar. Therefore, an inconsistency exists between the icon bar and pull down menu. See **Figure C-1** in **Appendix C** for additional information.

---

### 7.17 Displaying a report of all device types and classes

To display a report of all device types and their associated device class, choose **Analysis/Auto/Show/Type**. The information appears in the Report Area of your DECevent screen. To save this information, choose **File/Save**.

---

**Note**

The previous release of the GUI for DECevent was missing the SHOW SUMMARY and SHOW TYPE functionality. These two functions are now added to the pull down menu, but not to the icon bar. Therefore, an inconsistency exists between the icon bar and pull down menu. See **Figure C-1** in **Appendix C** for additional information.

---

## Chapter 8

### Displaying Rulesets

8.1 For More Information
8.2 Quick Overview
Displaying Rulesets

You can display available rulesets.

### 8.1 For More Information
8.1 For more information

Table 8-1 More Information

<table>
<thead>
<tr>
<th>For more information about ...</th>
<th>Look here ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rulesets</td>
<td>The Rule-Based Implementation Language Reference Guide.</td>
</tr>
</tbody>
</table>

8.2 Quick Overview

Table 8-2 Displaying Rulesets

<table>
<thead>
<tr>
<th>To do this ...</th>
<th>Choose ...</th>
<th>Questions? See ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display canonical rulesets</td>
<td>Ruleset/Canonical</td>
<td>Section 8.3, Displaying Rulesets.</td>
</tr>
<tr>
<td>Display event rulesets</td>
<td>Ruleset/Event</td>
<td>Section 8.3, Displaying Rulesets.</td>
</tr>
</tbody>
</table>

8.3 Displaying Rulesets

Rulesets are files executed by DECEvent that tell DECEvent how to decipher event logs for various kinds of devices.

To display the rulesets contained in the DECEvent knowledge library:

1. Choose Ruleset.
2. Choose the type of ruleset you wish to display (for example, Canonical). The Ruleset Dialog Box displays.

Figure 8-1 The Ruleset Dialog Box
3. **Figure 8-1** shows the Ruleset dialog box. If necessary, use the vertical scroll bar to move through the entire listing of rulesets. Selecting an item from the Canonical Ruleset Name list box will cause its corresponding Ruleset Path Name to be displayed.

---

**Chapter 9**

**Performing Dump and Binary Translations**

9.1 For More Information  
9.2 Quick Overview  
9.3 Performing a Dump Translation  
9.4 Performing a Binary Translation

In addition to the typical kind of translation described in **Chapter 3**, DECevent performs two other kinds of translation:

- Dump
- Binary

**Dump** allows you to dump out selected events from the input event log file. The resulting output is a brief report, followed by a dump of the canonical buffer for each event.

**Binary** allows you to copy one or more input event log files into a single binary output file.
Required Privilege

DECevent translation creates a temporary output file, which is written to your current directory. You must have write privileges to your current directory in order to run translation.

9.1 For More Information

Table 9-1 More Information

<table>
<thead>
<tr>
<th>For more information about ...</th>
<th>Look here ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dump</td>
<td>Section 5.1.4 in the <em>DECevent Translation and Reporting User's Guide</em>.</td>
</tr>
<tr>
<td>Binary</td>
<td>Section 5.1.2 in the <em>DECevent Translation and Reporting User's Guide</em>.</td>
</tr>
</tbody>
</table>

9.2 Quick Overview

Table 9-2 Displaying Dump or Binary Versions of Event Logs

<table>
<thead>
<tr>
<th>To do this ...</th>
<th>Choose ...</th>
<th>Questions? See ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display a dump version of an event log</td>
<td>File/Dump</td>
<td>Section 9.3, Performing a Dump Translation.</td>
</tr>
<tr>
<td>Write a binary version of an event log to a file</td>
<td>File/Binary</td>
<td>Section 9.4, Performing a Binary Translation.</td>
</tr>
</tbody>
</table>

9.3 Performing a Dump Translation

To display a dump version of an event log:

1. Choose **File/Dump**. The Qualifier List Dialog Box displays.

   **Figure 9-1 The Qualifier List Dialog Box**
2. Select the desired display options. The options available while performing a dump translation are as follows:

**Input File**

Specifies which file(s) is to be translated. If you leave this field blank, the system default event log is translated. You can enter a file name in the Input File text box or select [...] . Choosing [...] displays the Multiple File Selection dialog box.

**Figure 9-2 The Multiple File Selection Dialog Box**
You can use the Multiple File Selection dialog box to select one or more input files. Every file that appears in the Current File List list box is used as an input file for the translation information.

**Note**

To see the entire Multiple File Selection screen, it may be necessary to expand the dialog box by grabbing the right side with the mouse and dragging to a larger size.

<table>
<thead>
<tr>
<th>Table 9-3 Using the Multiple File Selection Dialog Box</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>To perform this action ...</strong></td>
</tr>
<tr>
<td>Move a file from the Files list box to the Current File List list box</td>
</tr>
<tr>
<td>Select a different directory</td>
</tr>
<tr>
<td>Remove a file from the Current File List list box</td>
</tr>
<tr>
<td>To remove all files from the Current File List list box</td>
</tr>
<tr>
<td>To view a particular type of file in the currently selected directory</td>
</tr>
</tbody>
</table>

**Output File**
Directs the output of an event log to a file. You can enter a file name in the Output File text box or select [...] . Choosing [...] displays the File Selection dialog box.

Figure 9-3 The File Selection Dialog Box

![File Selection Dialog Box](image)

Use the File Selection dialog box to select your desired output file.

Table 9-4 Using the File Selection Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select a file</td>
<td>Click on the file name in the Files list box.</td>
</tr>
<tr>
<td>Select a different directory</td>
<td>Double-click on the directory name. The files in that directory appear in the Files list box. You can continue to move down a particular directory path until the desired directory is displayed.</td>
</tr>
<tr>
<td>To view a particular type of file in the text box (for example: /usr/users/smith/* .bin)</td>
<td>Click on Filter.</td>
</tr>
</tbody>
</table>
Reverse Check Box

Causes the most recent events to be displayed first.

Include and Exclude

Allows you to include or exclude certain classifications of objects from the report, such as device types or hosts. You can enter a keyword directly in the text area if you know what keyword you want to include or exclude. Or you can select [...] on the Qualifier List dialog box. Choosing [...] displays the Keyword Selection dialog box, which allows you to move the keywords you wish to include in your report from the List of Valid Selections list box to the Current Selections list box.

Figure 9-4 The Keyword Selection Dialog Box

Table 9-5 Using the Keyword Selection Dialog Box
### Caution

Once you make your changes and exit the Keyword Selection dialog box, you cannot return to make additional changes. Calling up the Keyword Selection dialog box again re-initializes it, eliminating your previous choices. Additional changes must be made in the Exclude and Include text boxes in the Qualifier List dialog box.

### Start Time and Stop Time

Allows you to specify a beginning and/or ending time for the list of events displayed. You can enter a time directly in the format dd-mmm-yyyy;h:m:s, or choose [. . .] on the Qualifier List dialog box. Choosing [. . .] displays the Time Selection dialog box.

### Recommendation

Entering a time value by using [. . .] ensures that you enter the time in the correct format for your platform.
Figure 9-5 The Time Selection Dialog Box

Table 9-6 Using the Time Selection Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter a start date and/or time</td>
<td>Click on the words <strong>Start Date.</strong> Enter the date and time by moving the sliders for day, month, year, hours, minutes, and seconds. If you enter an incorrect date or time, click on the <strong>Clear</strong> button. When you are finished entering the date and time, click on <strong>Apply</strong>.</td>
</tr>
<tr>
<td>Enter a stop date and/or time</td>
<td>Click on the words <strong>Stop Date.</strong> Enter the date and time by moving the sliders for day, month, year, hours, minutes, and seconds. If you enter an incorrect time, click on the <strong>Clear</strong> button. When you are finished entering the date and time, click on <strong>Apply</strong>.</td>
</tr>
<tr>
<td>Save your changes and exit the Time Selection Dialog Box</td>
<td>Click <strong>OK</strong>.</td>
</tr>
<tr>
<td>Exit the Time Selection Dialog Box without saving your changes</td>
<td>Click on <strong>Cancel</strong>.</td>
</tr>
</tbody>
</table>

**Log**

Displays informational messages about the number of entries selected and rejected while a file is being processed. This information appears in the Report area of your screen.

**Start Entry Number** and **Stop Entry Number**

Indicate the beginning and end of a range in searching for a change in a file.
Indicates the relative position of every entry in an event log from the start of the file. Higher entry numbers reflect more recent events. To limit the report to selected entries, enter a start and/or stop entry number. The number must be a positive whole number. If you enter both a start and stop entry number, the stop entry number must be equal to or greater than the start entry number. If you don't enter a start entry number, translation starts at the beginning of the file. If you don't enter a stop entry number, translation continues until the end of the file.

**Host or Node Name**

 Allows you to select event entries based on node name by entering a value in the Host or Node Name text field.

3. Choose **OK** to perform translation and display the event log in the Report Area of your screen.

Choose **Cancel** if you decide not to display the file.

**9.4 Performing a Binary Translation**

To create a binary version of an event log:

1. Choose **File/Binary**. The Qualifier List Dialog Box displays.

**Figure 9-6 The Qualifier List Dialog Box**
2. Select the desired display options. The options available for creating a binary version of an event log are as follows:

**Input File**

Specifies which file(s) are to be translated. If you leave this field blank the system default event log is translated. You can enter a file name in the Input File text box or select [...]. Choosing [...] displays the Multiple File Selection dialog box.

---

You can use the Multiple File Selection dialog box to select one or more input files. Every file that appears in the Current File List list box is used as an input file for the translation information.

---

**Note**

To see the entire Multiple File Selection screen, it may be necessary to expand the dialog box by grabbing the right side with the mouse and dragging the
window to a larger size.

Table 9-7 Using the Multiple File Selection Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move a file from the Files list box to the Current File List list box</td>
<td>Double-click on the file name in the Files list box.</td>
</tr>
<tr>
<td>Select a different directory</td>
<td>Double-click on the desired directory; or click on the desired directory, then choose Filter.</td>
</tr>
<tr>
<td>Remove a file from the Current File List list box</td>
<td>Click on the file you wish to remove, then choose Delete.</td>
</tr>
<tr>
<td>Remove all files from the Current File List list box</td>
<td>Choose Clear List.</td>
</tr>
<tr>
<td>View a particular type of file in the currently selected directory</td>
<td>Enter the file extension at the end of the directory path in the Filter text box (for example: /usr/users/smith/*_.bin). Click on Filter.</td>
</tr>
</tbody>
</table>

Output File

Directs the output of an event log to a file as well as displays the translated event log on the screen. You can enter a file name in the Output File text box or select [ ... ]. Choosing [ ... ] displays the File Selection dialog box.

Figure 9-8 The File Selection Dialog Box
Use the File Selection dialog box to select your desired output file.

**Table 9-8 Using the File Selection Dialog Box**

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select a file</td>
<td>Click on the file name in the Files list box.</td>
</tr>
<tr>
<td>Select a different directory</td>
<td>Double-click on the directory name. The files in that directory appear in the Files list box. You can continue to move down a particular directory path until the desired directory is displayed.</td>
</tr>
<tr>
<td>View a particular type of file in the currently selected directory</td>
<td>Enter the file extension at the end of the directory path in the Filter text box (for example: /usr/users/smith/*,bin). Click on Filter.</td>
</tr>
</tbody>
</table>

**Reverse Check Box**

Causes the most recent events to be displayed first.

**Rejected File Name**

Creates a file containing information about the number of entries rejected during translation. You can enter a file name in the Rejected File Name text box or select [...] on the Qualifer List dialog box. Choosing [...] displays the File Selection dialog box. You can then search by directory or enter a new file name.

**Include and Exclude**

Allows you to include or exclude certain classifications of objects from the report, such as device types or hosts. You can enter a keyword directly in the text area if you know what keyword you want to include or exclude. Or you can select [...] on the Qualifer List dialog box. Choosing [...] displays the Keyword Selection dialog box, which allows you to move the keywords you wish to include in your report from the List of Valid Selections list box to the Current Selections list box.
Figure 9-9 The Keyword Selection Dialog Box

Table 9-9 Using the Keyword Selection Dialog Box

<table>
<thead>
<tr>
<th>To perform this action ...</th>
<th>Do this ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add a keyword to the Current Selections list box</td>
<td>Double-click the keyword, or click once and choose <strong>Add to Current Selection</strong>.</td>
</tr>
<tr>
<td>Remove a keyword from the Current Selections list box</td>
<td>Click on the keyword and choose <strong>Remove Current Selection</strong>.</td>
</tr>
<tr>
<td>Modify a keyword</td>
<td>Click on the keyword and choose <strong>Modify Current Selection</strong>. If the keyword has a value associated with it, that value appears in the Value text box. The Selection text box shows you the keyword for which you are changing the value. Clicking on the Value text box allows you to change the value. <strong>The value is changed only for your current job.</strong> When you have finished changing the value, enter &lt;RETURN&gt;. You can cancel at any time by choosing <strong>Cancel</strong>.</td>
</tr>
<tr>
<td>Implement your selection</td>
<td>Choose <strong>OK</strong></td>
</tr>
</tbody>
</table>
Caution

Once you make your changes and exit the Keyword Selection dialog box, you cannot return to make additional changes. Calling up the Keyword Selection dialog box again re-initializes it, eliminating your previous choices. Additional changes must be made in the Exclude and Include text boxes in the Qualifier List dialog box.

Start Time and Stop Time

Allows you to specify a beginning and/or ending time for the list of events displayed. You can enter a time directly, or choose [...] on the Qualifier List dialog box. Choosing [...] displays the Time Selection dialog box.

Recommendation

Entering a time value by using [...] ensures that you enter the time in the correct format for your platform.

Figure 9-10 The Time Selection Dialog Box

Table 9-10 Using the Time Selection Dialog Box

<table>
<thead>
<tr>
<th>To perform this</th>
<th>Do this ...</th>
</tr>
</thead>
</table>

file://E:\Service_Tools_Feb00\Openvms\Decevent\Docs\DIA_V024_GUI_USERS.HTML 2/15/00
**Log**

Displays informational messages about the number of entries selected and rejected while a file is being processed. This information appears in the Report area of your screen.

**Start Entry Number** and **Stop Entry Number**

Indicates the relative position of every entry in an event log from the start of the file. Higher entry numbers reflect more recent events. To limit the report to selected entries, enter a start and/or stop entry number. The number must be a positive whole number. If you enter both a start and stop entry number, the stop entry number must be equal to or greater than the start entry number. If you don’t enter a start entry number, translation starts at the beginning of the file. If you don’t enter a stop entry number, translation continues until the end of the file.

**Host or Node Name**

Allows you to select event entries based on node name by entering a value in the Host or Node Name text box. Choose **OK** to direct the information to an output file. Choose **Cancel** if you decide not to perform binary translation.

### Chapter 10

**Customizing DECevent Options**
The Options menu allows you to tailor DECevent reports, system settings and input and output files as well as customize settings relating to the graphical user interface.

### 10.1 For More Information

**Table 10-1 More Information**

<table>
<thead>
<tr>
<th>For more information about ...</th>
<th>Look here ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Files</td>
<td>Appendix D of the <em>DECevent Reporting and Translation User's Guide</em></td>
</tr>
<tr>
<td>Keywords</td>
<td>Appendix D of the <em>DECevent Reporting and Translation User's Guide</em></td>
</tr>
<tr>
<td>User-definable settings</td>
<td>Appendix B of the <em>DECevent Reporting and Translation User's Guide</em></td>
</tr>
<tr>
<td>Report types</td>
<td>Section 3.6 of the <em>DECevent Reporting and Translation User's Guide</em></td>
</tr>
</tbody>
</table>

**10.2 Quick Overview**

**Table 10-2 Changing Options**

<table>
<thead>
<tr>
<th>To change ...</th>
<th>Choose ...</th>
<th>Questions? See ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>The default input file</td>
<td>Options/File/Event Log</td>
<td>Section 10.3, Changing the Default Input File</td>
</tr>
<tr>
<td>The default report type</td>
<td>Options/File/Report</td>
<td>Section 10.4, Changing the Default Report Type</td>
</tr>
<tr>
<td>The human language used by the GUI</td>
<td>Options/Language</td>
<td>Section 10.5, Changing the Human Language</td>
</tr>
<tr>
<td>Keywords</td>
<td>Options/Selection</td>
<td>Section 10.6, Displaying DECevent Keywords</td>
</tr>
</tbody>
</table>
### 10.3 Changing the Default Input File

You can change your default input file for your current session. You can also change your default input file permanently (that is, even after exiting and re-entering the DECevent application). If you wish to change your default input file permanently, see Section 10.7.

If you want to change the default input file for your current session:

1. Choose **Options/File/Event Log**. The Default Event Log File Dialog Box displays.

**Figure 10-1 The Default Event Log File Dialog Box**

<table>
<thead>
<tr>
<th>User-Definable Settings</th>
<th>Options/Settings</th>
<th>Keywords</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Section 10.7, Changing User-Definable Settings</td>
</tr>
<tr>
<td>Window Colors</td>
<td>Options/Windows/Color</td>
<td>Section 10.8, Changing Window Colors</td>
</tr>
<tr>
<td>The font that is displayed on the screen</td>
<td>Options/Windows/Font</td>
<td>Section 10.9, Changing the Font</td>
</tr>
</tbody>
</table>
2. Select the desired default event log file by highlighting a file in the Files list box or entering the file name in the Selection text box. If you enter the file name in the Selection text box, be sure to include the pathname. To view a particular type of file in the currently selected directory, enter the file extension at the end of the directory path in the Filter text box (for example: /usr/users/smith/*.bin). Click on Filter.

3. Choose OK to change the default event log file. Choose Cancel if you decide not to change the default event log file.

10.4 Changing the Default Report Type

If you want to change the default report type:

1. Choose Options/File/Report Type.

2. The various report types are displayed as icons across the horizontal menu bar. Choose the type of report you wish to use as the default report type by clicking on the appropriate icon. For a description of the report types, see the DECevent Analysis and Notification User's Guide.

3. The Session History display area indicates that the default report type has been changed.

10.5 Changing the Human Language

If you want to display text in a different language, choose Options/Language.

---

**Note**

Changing the default language from American-English is not supported at this time.

---

10.6 Displaying DECevent Keywords

If you want to view a keyword and its associated value:

1. Choose Options/Selection. The Selection Dialog Box displays.

**Figure 10-2 The Selection Dialog Box**
2. The Selection dialog box displays a list of valid keywords. To display this information, click on the keyword in the Selection Name List list box. The keyword's associated information appears in the dialog box.

3. Choose **OK** to exit the Selection dialog box.

## 10.7 Changing User-Definable Settings

1. Choose **Options/Settings**. The Settings Dialog Box displays.

   **Figure 10-3 The Settings Dialog Box**
Caution

Once you have chosen Apply, Save, or Modify, choosing Cancel does not remove your changes.

2. To add a new setting, click on the Add button and enter the new setting in the Setting Name text field. You must indicate whether it is an integer or string value and enter the associated value. Choose Apply.

Use this process to continue to add settings without leaving the Settings dialog box.

To modify a setting, highlight the setting in the Settings list box, then click on the Modify button. Enter the new information about that setting and choose Apply.

To restore system settings, click on the Restore System Settings button.

You can change two settings so that your changes last beyond the current session (that is, after you exit and re-enter the DECEvent application). These settings are:

- The human language displayed by DECEvent (not supported at this time).
- The default error log used by DECEvent.

If you want to change either of these settings and save your changes past your current DECEvent session, click on Save.

3. Choose OK to exit the Settings dialog box.

Choose Cancel if you decide not to change any system settings.

10.8 Changing Window Colors

If you want to change the colors displayed in the Motif window:

1. Choose Options/Windows/Colors. The Change Window Colors Dialog Box displays.

   Figure 10-4 The Change Window Colors Dialog Box
2. Choose the area of color you wish to change, such as the window foreground color, and select [ ... ]. The Clear button resets any changes to the original colors. Choosing [ ... ] displays the Color Mixing Dialog Box.

Figure 10-5 The Color Mixing Dialog Box
3. The Color Mixing dialog box lets you experiment with and implement a variety of window colors. For help on using this dialog box, click on Help.

4. Choose OK to implement your changes. The colors do not change until you exit DECeview and restart the DECeview application.

   Choose Reset to restore the default window colors.

   Choose Apply to test the colors prior to implementing them.

   Choose Cancel if you decide not to change the window colors.

### 10.9 Changing the Font

If you want to change the font used in the Motif window:

1. Choose Options/Windows/Change Font. The Change Font Dialog Box displays.

   ![Figure 10-6 The Change Font Dialog Box](image)

2. Select the desired font from the list box.

3. Click on the Change Font button. The mouse pointer shape changes to a pencil.

4. To see what this font looks like, click on the text in the Change Font dialog box. The highlighted text changes to reflect the new font.
5. If you are satisfied with the font you have selected, choose OK. The font does not change until you exit DECEvent and restart the DECEvent application.
To return to the original font, choose Cancel.

Appendix A

Using the Motif Window Manager

A.1 For More Information
A.2 Using a Mouse
   A.2.1 Mouse Buttons
   A.2.2 Pointing with the Mouse
   A.2.3 Click and Drag with the Mouse
A.2.4 Pointer shapes
A.3 Selecting, Moving, and Sizing Windows
   A.3.1 Selecting a Window
   A.3.2 Moving a Window
   A.3.3 Changing the Size of a Window
A.3.4 Changing a Window into an Icon
A.4 Menus, Lists, Pushbuttons, and Check Boxes
   A.4.1 Types of Menus
   A.4.2 How to Select Menu Items
   A.4.3 Using a Dialog Box
   A.4.4 Using a List
   A.4.5 Selecting an Item in a List
   A.4.6 Push Buttons
   A.4.7 Check Boxes and Radio Buttons

This appendix covers the basics of using the Motif Window Manager (MWM). Topics covered in this chapter include:

- Using a mouse
- Managing windows
- Using lists with scroll bars
- Using pulldown and cascading menus
- Responding to dialog boxes
- Using radio buttons and check boxes

A.1 For More Information

Table A-1 More Information
A.2 Using a Mouse

You can use the DECevent graphical user interface (GUI) with either a mouse or a keyboard as the input tool.

A.2.1 Mouse Buttons

You can use the DECevent GUI with either a two-button or three-button mouse by observing the following conventions:

Table A-2 Mouse Buttons and Their Locations

<table>
<thead>
<tr>
<th>Button Name</th>
<th>On a 3-button mouse press ...</th>
<th>On a 2-button mouse press ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select</td>
<td>The left button</td>
<td>The left button</td>
</tr>
<tr>
<td>Menu</td>
<td>The middle button</td>
<td>Both buttons simultaneously</td>
</tr>
<tr>
<td>Custom</td>
<td>The right button</td>
<td>The right button</td>
</tr>
</tbody>
</table>

A.2.2 Pointing with the Mouse

When DECevent starts, an arrow-shaped pointer appears at the center of the screen. As you move the mouse on your desktop, the pointer moves accordingly.

A.2.3 Click and Drag with the Mouse

The following terminology refers to actions involving the mouse buttons:

- "Click" means to press and release a button without moving the pointer.
- "Double-click" means to click a button twice in rapid succession.
- "Drag" means to press and hold a button while moving the pointer.
- "Grab" means to position the pointer on a window frame (the window border) and press and hold the mouse's select button.

A.2.4 Pointer shapes

The location of the pointer, as well as activity by the DECevent GUI, can cause the shape of the pointer to change.

*Figure A-1* shows all the possible pointer shapes you see with the DECevent GUI.
Figure A-1 Pointer Shapes Provide Visual Clues to Activity

<table>
<thead>
<tr>
<th>This symbol ...</th>
<th>Is the shape the mouse pointer assumes ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arrow</td>
<td>Over menus, scroll bars, icons, and dialog boxes.</td>
</tr>
<tr>
<td>Clock</td>
<td>When you must wait for DECeIdent to perform a function.</td>
</tr>
<tr>
<td>I-beam</td>
<td>When it is in a text area waiting for user input.</td>
</tr>
<tr>
<td>Pencil</td>
<td>When it is in the Change Font window.</td>
</tr>
</tbody>
</table>

Table A-3 shows the meaning of the various pointer shapes.

Table A-3 Pointer Shapes with DECeIdent

A.3 Selecting, Moving, and Sizing Windows

A.3.1 Selecting a Window

Before a window can receive input from you, it must be selected as the active window. To select a window, place the pointer on any part of the window and click the select button on the mouse.

When a window is active, the window frame changes color.

A.3.2 Moving a Window

Using the pointer, you can move a window to a new location on the screen. To do so, grab the window's title bar (top portion of the window frame) with the pointer, drag the window to a new location, and then release the mouse button to release the window.

A.3.3 Changing the Size of a Window

You can change the size of a window by grabbing an area of the window frame with the pointer.
dragging the frame to the desired size, and releasing the mouse to release the frame.

Where you grab the window's frame determines how the window is resized. See Table A-4.

Table A-4 Places to Grab on the Window Frame

<table>
<thead>
<tr>
<th>If you want to stretch or shrink the window ...</th>
<th>Point to the ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>vertically from the:</td>
<td></td>
</tr>
<tr>
<td>top</td>
<td>top of the frame, above the title bar</td>
</tr>
<tr>
<td>bottom</td>
<td>bottom of the frame</td>
</tr>
<tr>
<td>horizontally from the:</td>
<td></td>
</tr>
<tr>
<td>right</td>
<td>right side of the frame</td>
</tr>
<tr>
<td>left</td>
<td>left side of the frame</td>
</tr>
<tr>
<td>diagonally from the:</td>
<td></td>
</tr>
<tr>
<td>bottom left</td>
<td>frame's lower left corner</td>
</tr>
<tr>
<td>top left</td>
<td>frame's upper left corner</td>
</tr>
<tr>
<td>top right</td>
<td>frame's upper right corner</td>
</tr>
<tr>
<td>bottom right</td>
<td>frame's lower right corner</td>
</tr>
</tbody>
</table>

A.3.4 Changing a Window into an Icon

As you work, your screen can become cluttered with windows. Changing a few of those windows to icons allows you to tidy up your workspace without exiting an application. Icons are small graphical images. Programs executing in a minimized window (an icon) continue to execute until they finish or halt because they require input from you.

To minimize a window and thus change the window to an icon, position the pointer on the minimize button, as shown in Figure A-2, and click the mouse's select button. The minimize button is immediately to the right of the title bar.

Figure A-2 Location of the Minimize Button
To restore a window from an icon, point to the icon and double-click the select button on the mouse.

A.4 Menus, Lists, Pushbuttons, and Check Boxes

A.4.1 Types of Menus

DECevent has pull-down menus and cascade menus.

Pull-down Menu: DECevent has a menu bar across the top of the window just below the title bar, as shown in Figure A-3. Each word in the menu bar represents a pull-down menu, which is displayed by dragging or clicking on the menu bar with a mouse.

Figure A-3 The DECevent Menu Bar
Cascade Menu: A cascade menu is indicated on a pull-down menu by an arrow to the right of the function name, as shown in Figure A-4. This arrow indicates there is another menu of choices. These choices are displayed automatically when you highlight the parent menu option of the pull-down menu. You can select an option from the cascade menu in the same way you would select a function from the pull-down menu.

Figure A-4 Cascade Menus Look Like This

A.4.2 How to Select Menu Items

There are two ways to choose a function from a pull-down menu using the mouse.

- Drag method: Point to the menu you want to display, press and hold the select button, drag the pointer to highlight the desired function, and then release the button.

- Click method: Point to the menu you want to display, click the select button once to display the menu, point to the desired function, and then click again.

If you decide you don’t want to execute a function after the menu is displayed, point away from the menu (so that no function is highlighted) and then release or click the button.

A.4.3 Using a Dialog Box

Menu items followed by an ellipse (…) are functions that have associated dialog boxes. When you select a menu item with an associated dialog box, the dialog box is displayed and you are presented with choices before the menu option is implemented. For example, selecting Print ... presents you with a choice of printers and other options, as shown in Figure A-5. To print the document, you would make your selections in the dialog box and then click on the OK button.

Figure A-5 Dialog Boxes Allow You to Make Choices
A.4.4 Using a List

Whenever a list of choices (file names, device names, and so on) is larger than the list box, MWM displays scroll bars along the right and bottom edges of the box, as shown in Figure A-6. A scroll bar is a control that allows you to determine what portion of a larger object is displayed within the box.

Figure A-6 Scrollbars Allow Displaying Additional Information

Scroll bars have an arrow at each end and a rectangular slider in the middle. The slider represents your current relative position in the list. There are two ways to move a slider:
- Click on the arrows at each end of the list to move up or down.
- Drag the slider with the mouse.

**A.4.5 Selecting an Item in a List**

When a list item is selected, it is highlighted (displayed in reverse video) and appears in the Selection box just below the list. There are two ways to select an item from a list:

- Point to the item you want to select and click the OK button.
- Use the up-and-down arrow keys to move the highlight to the item you want. Press <RETURN>.

**A.4.6 Push Buttons**

A push button is a control that causes an immediate action, such as telling the DECEvent software to print a report by selecting the OK button, as shown in Figure A-7. To press a push button, point to it, and then click the select button on the mouse.

**Figure A-7 A Pushbutton is Used to Cause an Immediate Action**

![Push Button Example](image)

**A.4.7 Check Boxes and Radio Buttons**

When DECEvent has a finite list of options or settings, they are presented as a list of toggle buttons. Like a light switch, a toggle button is either on or off. There are two ways that DECEvent toggle buttons are presented:

**Table A-5 Selection Buttons**

<table>
<thead>
<tr>
<th>Type of Button</th>
<th>Description</th>
<th>Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check box</td>
<td>Small, square box</td>
<td>A combination of any or all can be set</td>
</tr>
<tr>
<td>Radio button</td>
<td>Small diamond-shaped box</td>
<td>Choose only one at a time</td>
</tr>
</tbody>
</table>
Appendix B

Using the Keyboard Instead of a Mouse

There are times when you will want to use the keyboard rather than a mouse, either because a mouse is unavailable or because the keyboard is faster.

A mnemonic is a way of selecting menu functions without using a mouse. Mnemonics are indicated as underlined characters in the menu, as shown in Figure B-1. Once a menu is displayed, you can use its mnemonic to execute a function by simultaneously pressing <ALT> and the letter that is underlined in the function's name.

Figure B-1 DECevent Menus with Mnemonics

For example, in Figure B-1, to choose File, you simultaneously press <ALT> and the letter F on the keyboard.

After displaying a menu by clicking the mouse or using a mnemonic, you can use the tab key or the arrow keys to move through the menu. When the function you want to select is highlighted, press <RETURN>. To cancel the menu without choosing a function, press <ESC>.
Appendix C

DECevent Menus

Figure C-1 The DECevent File, Translate, and Analysis Menus

Note

The previous release of the GUI for DECevent was missing the SHOW SUMMARY and SHOW TYPE functionality. These two functions are now added to the pull down menu, but not to the icon bar. Therefore, an inconsistency exists between the icon bar and pull down menu.

Figure C-2 The DECevent Rulesets and Options Menus
Appendix D

DECevent CLI Commands

The following table shows the relationship between the menu-tree path you must take on the DECevent GUI, and the comparable Command Line Interface command for OpenVMS and OSF/1.

Table D-1 Comparing the GUI and the CLI

<table>
<thead>
<tr>
<th>Task</th>
<th>GUI Path</th>
<th>OpenVMS CLI Command</th>
<th>OSF/1 CLI Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perform automatic translation</td>
<td>Translate/Automatic</td>
<td>DIAGNOSE/CONTINUOUS</td>
<td>dia -c</td>
</tr>
<tr>
<td>Perform manual translation</td>
<td>Translate/Manual</td>
<td>DIAGNOSE/TRANSLATE</td>
<td>dia</td>
</tr>
<tr>
<td>Display rulesets</td>
<td>Ruleset</td>
<td>DIRECTORY</td>
<td>ls</td>
</tr>
<tr>
<td>Perform a dump translation</td>
<td>File/Dump</td>
<td>DIAGNOSE/DUMP</td>
<td>dia -d</td>
</tr>
<tr>
<td>Perform a binary translation</td>
<td>File/Binary</td>
<td>DIAGNOSE/BINARY</td>
<td>dia -b</td>
</tr>
<tr>
<td>Function</td>
<td>Menu Path</td>
<td>Command</td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>------------------------------------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>Print a file</td>
<td>File/Print</td>
<td>Print</td>
<td></td>
</tr>
<tr>
<td>Save a file</td>
<td>File/Save</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Start manual analysis</td>
<td>Analysis/Manual</td>
<td>DIAGNOSE/ANALYZE dia ana</td>
<td></td>
</tr>
<tr>
<td>Start automatic analysis</td>
<td>Analysis/Auto/Start Auto</td>
<td>STARTUP</td>
<td></td>
</tr>
<tr>
<td>Stop automatic analysis</td>
<td>Click on the Stop Continuous Analysis button</td>
<td>SHUTDOWN shdwn</td>
<td></td>
</tr>
<tr>
<td>Create or update host information</td>
<td>Analysis/Auto/Sys Info</td>
<td>SET SYSTEM_INFO set sys</td>
<td></td>
</tr>
<tr>
<td>Remove system information</td>
<td>Analysis/Auto/Sys Info</td>
<td>REMOVE SYSTEM_INFO rmsys</td>
<td></td>
</tr>
<tr>
<td>Display notification parameters</td>
<td>Analysis/Auto/Notify</td>
<td>SHOW PARAMETERS shw par</td>
<td></td>
</tr>
<tr>
<td>Display current thresholds</td>
<td>Analysis/Auto/Threshold</td>
<td>SHOW THRESHOLD shw thr</td>
<td></td>
</tr>
<tr>
<td>Display device type</td>
<td></td>
<td>SHOW TYPES shw type</td>
<td></td>
</tr>
<tr>
<td>Remove repair information</td>
<td>Analysis/Auto/Repair</td>
<td>REMOVE REPAIR rmrp</td>
<td></td>
</tr>
<tr>
<td>Delete event and analysis information</td>
<td>Analysis/Auto/Flush</td>
<td>FLUSH</td>
<td></td>
</tr>
<tr>
<td>Stop monitoring</td>
<td>Analysis/Auto/Ignore</td>
<td>IGNORE ign</td>
<td></td>
</tr>
<tr>
<td>Restart monitoring</td>
<td>Analysis/Auto/Ignore</td>
<td>RECOGNIZE rec</td>
<td></td>
</tr>
<tr>
<td>Show entries before a failing device was repaired</td>
<td>Analysis/Auto/Repair</td>
<td>SHOW REPAIR shw rep</td>
<td></td>
</tr>
<tr>
<td>Display devices that have crossed a threshold</td>
<td>Analysis/Auto/Threshold</td>
<td>SHOW SUMMARY shw sum</td>
<td></td>
</tr>
<tr>
<td>Display devices that have</td>
<td>Analysis/Auto/Theory</td>
<td>SHOW THEORY shw the</td>
<td></td>
</tr>
<tr>
<td>Function</td>
<td>Menu Path</td>
<td>Command</td>
<td></td>
</tr>
<tr>
<td>--------------------------------</td>
<td>---------------------------------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>Add a user name</td>
<td>Analysis/Auto/Notify</td>
<td>ADD USER</td>
<td></td>
</tr>
<tr>
<td>Remove a user name</td>
<td>Analysis/Auto/Notify</td>
<td>REMOVE USER</td>
<td></td>
</tr>
<tr>
<td>Set the phone number of the CSC</td>
<td>Analysis/Auto/Sys Info</td>
<td>SET PHONE</td>
<td></td>
</tr>
<tr>
<td>Display accounts that receive mail</td>
<td>Analysis/Auto/Notify/Mail</td>
<td>SHOW MAIL</td>
<td></td>
</tr>
<tr>
<td>Test notification mailing lists</td>
<td>Analysis/Auto/Notify/External Mail</td>
<td>TEST EXTERNAL</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TEST MAIL</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TEST SICL</td>
<td></td>
</tr>
<tr>
<td>Change default event log</td>
<td>Options/File/Event Log</td>
<td>SET EVENT</td>
<td></td>
</tr>
<tr>
<td>Change default report type</td>
<td>Options/File/Report Type</td>
<td>SET DEFAULT REPORT</td>
<td></td>
</tr>
<tr>
<td>Obtain help</td>
<td>Help</td>
<td>HELP</td>
<td></td>
</tr>
<tr>
<td>Exit DECEvent</td>
<td>File/Exit</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>