

# **Installer Debugger 4.5.1**

## **Technical Guide**



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# Installer Debugger Basics

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The Installer Debugger application allows a user to monitor the operation of Installer Engine via Apple events, either on the same machine or on a remote machine. This chapter

## Targeting Installer Engine

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Most users will be targeting an Installer Engine application running on the same machine as the Installer Debugger application (locally), but Installer Debugger can also target Installer Engine on a remote machine using the network.

### Targeting a local Installer Engine

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When you launch the Installer Debugger application it searches for an already running Installer Engine on the same machine, and if found creates a connection and opens a monitor window. Installer Debugger constantly looks for a newly launched Installer Engine, and will automatically open a connection and open a monitor window if one is found.

### Targeting a remote Installer Engine

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To open a connection to Installer Engine running on another machine, choose New from the File menu. When the browser window appears, select the desired Installer Engine on the remote machine and click OK.

#### **NOTE**

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The remote machine and Installer Engine must have program linking enabled to connect remotely.

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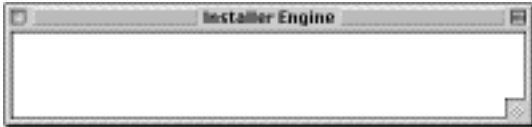
## Using the Monitor Window

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A Monitor Window is present for each targeted Installer Engine. The name of the window is the Installer Engine application's name. If it is a remote connection, the word "Remote: " precedes the

name.

An example of the Monitor Window is shown below.



Closing this window, either by choosing Close and Kill Installer Engine from the File menu, or clicking the window's close box will quit the targeted Installer Engine application.

#### NOTE

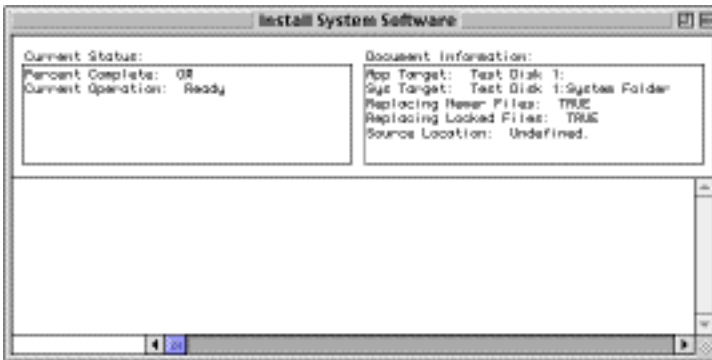
Choosing Quit from the File menu does not automatically quit the currently targeted Installer Engine applications.

## Using the Document Window

Whenever a targeted Installer Engine has an Installer script open, a document window is opened to provide information about status of the Installer script. The name of the document window reflects the Installer script opened by Installer Engine.

## Document Window Layout

An example of the document window is shown below.



The document window is divided into three areas:

#### Current Status area

This area displays the percentage complete of the current task (installation or removal) and the current operation. This information is obtained by periodically polling the `cStatus` object of the document.

#### Document Information area

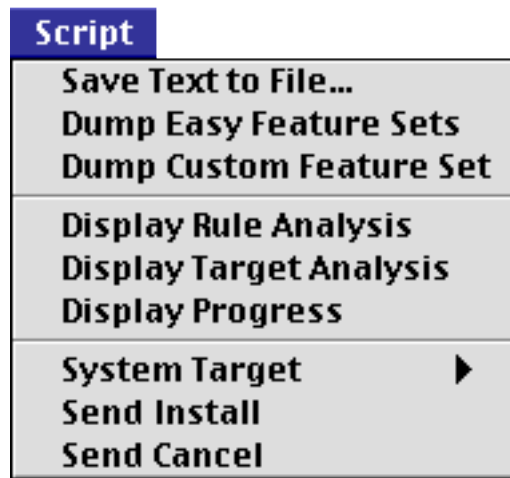
This area displays the fields of the `cDocument` object. This information is obtained by periodically polling the `cDocument` object. If the target is on a remote machine, the App Target, Sys Target and Source Location fields are not displayed.

#### Text area

This area displays rule, target and progress information, as controlled by the Script menu. The text only holds 32,000 characters at one time, but all text display is automatically logged to a file named "Installer Debugger Log File" in the same folder as Installer Debugger.

# Script Menu

The Script menu allows the user to display specific from the targeted Installer Engine.



Each menu item is described below.

|                         |   |
|-------------------------|---|
| Save Text to File...    | Saves the current contents of the text area to a MPW text file.   |
| Dump Easy Feature Set   | Displays features contained in the recommended installation. Only those features that are also part of the custom feature set are displayed.  |
| Dump Custom Feature Set | Displays a hierarchical outline of the custom features.   |
| Display Rule Analysis   | When checked, displays a log of the rule actions for the framework being executed.  |
| Display Target Analysis | When checked, displays the target decisions Installer Engine makes prior to beginning the copy/removal process.   |
| Display Progress        | When checked, displays information contained in progress Apple events from Installer Engine. The percent complete value is displayed along with the progress description. Redundant events are not display. |
| System Target           | Changes the destination disk to the selected disk. NOTE: Installer Debugger does not filter out invalid volumes such as AppleShare servers, so only select a writable disk.                                 |
| Send Install            | Sends an install Apple event to Installer Engine to start a recommended installation.   |
| Send Cancel             | Sends a cancel Apple event to Installer Engine.   |