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If you encounter inexplicable problems shortly after you install NoteCards, they may be due to files being corrupted — the release tape may have been damaged, errors may have occurred while the tape was being read, etc. If you have unexplained problems, we recommend that you verify the checksums of your installed files.

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## Description

The script generates checksum files named *filename.check* and compares them to the released *filename.sum* residing in the `/checksumdir` subdirectory.

The checksum script reports inconsistent files, the correct checksum values for the files, and an error message. The checksum of individual files can be generated with the UNIX command: **sum filename**.

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## Commands

<b>ldechecksum</b> [-cg] [ <i>ncdir</i> [ <i>dir</i>   <i>dirgroup</i> ] ]	<b>[Command]</b>
<b>-c</b>	Generates checksums for your installed files and compares them with correct values. This is the default action.
<b>-g</b>	Generates checksums for the files specified.
<i>ncdir</i>	Name of the NoteCards installation directory. Usually it is <b>/usr/local/lde</b> .
<i>dir</i>	Any specific directory residing under <i>ncdir</i> . Only relative pathnames with respect to <i>ncdir</i> are accepted.
<i>dirgroup</i>	The directory group. Valid directory groups are <b>system</b> , <b>fonts</b> , and <b>all</b> .
<b>system</b>	includes <code>lisp</code> , <code>sysouts</code> , <code>install.sunos3.mc68020</code> , <code>install.sunos4.mc68020</code> , <code>install.sunos4.sparc</code> .
<b>fonts</b>	includes the <code>display</code> , <code>interpress</code> , <code>press</code> and <code>postscript</code> directories.
<b>all</b>	includes all of the above.

## Output

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As it begins checking each directory, the script prints a message in the form:

```
Checking directory: /usr/local/lde/subdir
```

Error and warning messages may be in one of two forms:

```
< E > 36610 6973 NoteCards.sysout
```

Indicates that file NoteCards.sysout is erroneous or does not reside in the directory. The correct checksum of 36610, together with the size (6973 kbytes) of the file, are shown.

```
< W > /usr/local/lde/fonts/display/chinese:  
Directory not installed
```

Indicates that Chinese fonts were not installed or were removed after NoteCards was installed.

## Examples

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```
prompt% ldechecksum /usr/local/lde
```

All files in the installed NoteCards directories in **/usr/local/lde** are checked.

```
prompt% ldechecksum /usr/local/somedir/lde system
```

This example checks all files in:

```
    /usr/local/somedir/lde/install.sunos3.mc68020  
    /usr/local/somedir/lde/install.sunos4.mc68020  
    /usr/local/somedir/lde/install.sunos4.sparc  
    /usr/local/somedir/lde/sysouts  
    /usr/local/somedir/lde/lisp
```

```
prompt% cd/usr/local/lde
```

```
prompt% ldechecksum -c . fonts/display
```

This example checks only the display font directories. The period (.) is used because you are positioned under the current NoteCards installation directory.

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