



Movidius

an Intel company



moviDump

Manual



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Table of Contents

1. Introduction	2
1.1. Tool Overview.....	2
1.2. Other relevant documents.....	2
2. Conventions used in this document	2
3. Overview	2
3.1. Features	2
3.2. Context	2
4. Command Line Reference	3
4.1. Invocation	3
4.2. Options & Parameters	3
4.3. Usage examples.....	4



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1. Introduction

1.1. Tool Overview

The Movidius Object Dumper (**moviDump**) is capable of dumping an object file in a readable format.

1.2. Other relevant documents

This sections describes some other documents that user may wish to refer to.

moviToolsOverview.pdf – gives overview of all tools, conventions used, directory structure etc.
MDKProgrammersGuide.pdf – details the Myriad programming environment

2. Conventions used in this document

General **moviDebugServer** command format is:

```
moviDebugServer{.exe} [<optionalParameters>]
```

The commands and parameters in the document are typed in the **Courier New** font. The words enclosed by < and > are not actually keywords, but values from a set like:

```
<registerName> is one of the registers.
```

The { } denote a series of possible values, | separates the values of the series. The [] denote an optional parameter. The parameters of **moviDebugServer** can be separated either by whitespaces (spaces, tabs) or by , (comma).

3. Overview

3.1. Features

Supports dumping .elf, .o, .mobj, .mof and mvcmd file formats Output generated as .lst file in same location as input file.

3.2. Context

This tool is used generally for debug purposes, and can often be useful to include as a routine part of final

4. Command Line Reference

4.1. Invocation

```
moviDump [<options>] <fileName>
```

4.2. Options & Parameters

The <options> start with a - character and may contain any of the `moviDump` switches (the case of the letters is significant). Implemented switches are presented in the table below:

Switch	Description
-help -h	display the help screen
-version	display version string
-cv:<chipVersion>	Specify chip version
-H	dump file headers
-S	dump section headers
-s	dump section content
-sym	dump symbol tables
-rel	dump .rel table
-dasm	disassemble the .code sections
-lines	dump .lines sections
-entryPoints	dump entryPoints
-all	enable everything (default)
-o:<fileName>	specify output file name. default behavior is a file on <filename>.lst is created in same location as input <filename>
-mvcmd:<fileName>	dumps the .mvcmd file contents in a readable format
-verbose	display full payload for .mvcmd files
-nosegmentcheck	Disable check for overlapping sections

There are more command line switches which might be referred to in the current document. They are still in testing phase or might be subject to change. Please do not use switches other than the ones presented in the above table in production code.

4.3. Usage examples

Dumping contents of a binary file

```
moviDump output/ImageKernelProcessing.elf
```

If only the file name is specified, the dumper will default to dumping all the information to a file named the same as the input file, but with the extension `.lst`.