GAS Tutorial

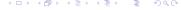
Young W. Lim

2016-03-01 Tue

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Outline

Overview



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Based on

"Using as", Dean Elsner, Jay Fenlason & friends

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Command Line Options

```
as [-a[cdghlns][=file]] [-alternate] [-D]
 [-debug-prefix-map old =new ]
 [-defsym sym =val ] [-f] [-g] [-gstabs]
 [-gstabs+] [-gdwarf-2] [-help] [-I dir ] [-J]
 [-K] [-L] [-listing-lhs-width=NUM]
 [-listing-lhs-width2=NUM ] [-listing-rhs-widt
 [-listing-cont-lines=NUM ] [-keep-locals] [-c
objfile ] [-R] [-reduce-memory-overheads] [-s
 [-v] [-version] [-version] [-W] [-warn]
 [-fatal-warnings] [-w] [-x] [-Z] [@FILE]
 [-target-help] [target-options]
 [-|files ...]
```

Command Line Option (1)

```
@file
              Read command-line options from file.
-a[cdghlmns]
    Turn on listings, in any of a variety of ways:
         omit false conditionals
   -ac
  -ad
         omit debugging directives
  -ag include general information, like as version and
  -ah include high-level source
  -al
         include assembly
         include macro expansions
   -am
   -an
         omit forms processing
         include symbols
   -as
  =file set the name of the listing file
```

Command Line Option (2)

```
-g Generate debugging information
--gstabs Generate stabs debugging information
--gstabs+ Generate stabs debugging information
--gdwarf-2 Generate DWARF2 debugging information
-I dir Add directory dir to the search list
-o objfile Name the object-file output from as objfile.
-R Fold the data section into the text section.
```

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