

**NAME**

roll – GMA die roller CLI application (Go version)

**SYNOPSIS**

(If using the full GMA core tool suite)

```
gma go roll [options as described below...]
```

(Otherwise)

```
roll -h
```

```
roll -help
```

```
roll -syntax
```

```
roll [-dice string] [-json] [-seed int]
```

**DESCRIPTION**

Roll provides a command-line utility that rolls dice using the GMA dice library without requiring a functioning GMA game server to roll the dice for you.

It can be used interactively by users or it can be embedded into scripts or other back-end services.

**OPTIONS**

Options may be introduced with either one or two hyphens (e.g., `-json` or `--json`). Options which take parameter values may have the value separated from the option name by a space or an equals sign (e.g., `-seed=2323` or `-seed 2323`), except for boolean flags which may be given alone (e.g., `-json`) to indicate that the option is set to “true” or may be given an explicit value which must be attached to the option with an equals sign (e.g., `-json=true` or `-json=false`).

`-dice string` Specify the die-roll expression to be rolled, such as “3d6”.

Multiple die-roll expressions may be given as the value to this option, separated from one another by semicolons (“;”). In this case each will be rolled in the sequence given. This allows a group of die rolls to be performed from a single seed value in a single invocation of the program.

If this is not given, `roll` will interactively prompt for die-roll expressions and roll each as they’re typed in. Typing a blank line repeats the previous expression. The program will exit on EOF.

`-help` Print a command option summary and exit.

`-json` Output the results as a JSON string instead of plain text.

`-seed int` Instead of using a random seed value, base the die roll results on the given value. The *int* value is a 64-bit integer expressed in decimal digits.

`-syntax` Print a summary of the die-roll expression syntax and exit. In interactive mode, this help text may be produced by typing “help” as the input line.

**SEE ALSO**

`dice(3)`, `roll(6)`.

This program is analogous to, but has more features than, the Python-based `gma roll` program from GMA-Core.

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**BUGS**

The default seed chosen by the underlying die-rolling library is always 32 bits long, but that may change in the future, so don’t rely on that fact.

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