

# PARROT - DATATYPES

[http://www.tutorialspoint.com/parrot/parrot\\_datatype.htm](http://www.tutorialspoint.com/parrot/parrot_datatype.htm)

Copyright © tutorialspoint.com

The Parrot CPU has four basic data types:

- **IV**  
An integer type; guaranteed to be wide enough to hold a pointer.
- **NV**  
An architecture-independent floating-point type.
- **STRING**  
An abstracted, encoding-independent string type.
- **PMC**  
A scalar.

The first three types are pretty much self-explanatory; the final type - Parrot Magic Cookies, are slightly more difficult to understand.

## What are PMCs?

PMC stands for Parrot Magic Cookie. PMCs represent any complex data structure or type, including aggregate data types *arrays*, *hashtables*, *etc.* . A PMC can implement its own behavior for arithmetic, logical and string operations performed on it, allowing for language-specific behavior to be introduced. PMCs can be built in to the Parrot executable or dynamically loaded when they are needed.

Loading [Mathjax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js