



Universidad Rey Juan Carlos

INGENIERÍA DE ROBÓTICA SOFTWARE

SISTEMAS OPERATIVOS

MASH Documentation Guide

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Part I

Introduction

Introduction on the mash shell

Part II

Code

1 Shell

Orden de búsqueda de comandos: alias - builtin - script in directory - path

Part III

Syntax

Only for ASCII characters, if used for another type it won't work as expected.

— = Default or copy

Color = Change in syntax table

Subexec = Substitute by output of command inside

Syntax Table					
Character	Standard	File	Substitution	'Single Quote'	"Double Quote"
\0	end_line	end_file	end_sub	request_new_line	request_new_line
\t	blank	end_file_started	end_sub	—	—
\n	blank	end_file	end_sub	—	request_new_line
Space	blank	end_file_started	end_sub	—	—
"	start_dquote	start_dquote	end_sub	—	end_dquote
#	comment	end_file	copy_and_end_sub	—	—
\$	start_sub	start_sub	copy_and_end_sub	—	start_sub
&	background	end_file	end_sub	—	—
,	start_squote	start_squote	end_sub	end_squote	—
(error	error	end_sub	—	—
)	error	error	end_sub	—	—
*	do_glob	do_glob	end_sub	—	—
-	—	—	end_sub	—	—
;	end_pipe	end_file	end_sub	—	—
<	start_file_in	end_file	end_sub	—	—
>	start_file_out	end_file	end_sub	—	—
?	do_glob	do_glob	copy_and_end_sub	—	—
@	—	—	copy_and_end_sub	—	—
[do_glob	do_glob	end_sub	—	—
\	escape	escape	end_sub	—	esp_escape
_	end_line	end_file	copy_and_end_sub	—	—
{	here_doc	error	end_sub	—	—
}	error	error	—	—	—
	pipe_tok	end_file	end_sub	—	—
~	tilde_tok	tilde_tok	end_sub	—	—
Rest	—	—	—	—	—
&&	and	end_file	end_sub	—	—
	or	end_file	end_sub	—	—
\$(subexec	subexec	—	—	subexec
&>	start_file_out	end_file	end_sub	—	—
2>	start_file_out	end_file	end_sub	—	—
1>	start_file_out	end_file	end_sub	—	—

2 Builtin commands

Explicacion de los builtins

2.1 Alias

Alias builtin

2.2 Exit

Exit builtin

2.3 Cd

Cd builtin

2.4 Test

Test builtin

2.5 Ifok

Ifok builtin

2.6 Ifnot

Ifnot builtin

Part IV

Dash Scripting

Explanation of how to mash script

Bibliography

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