- LPI 101 -

Work on the Command Line [5]

(Linux Professional Institute Certification)

```
a
```

```
.~.
/V\ by: geoffrey robertson
// \\ geoffrey@zip.com.au
@._.@

$Id: gl1.103.1.slides.tex,v 1.3 2003/05/30 05:09:04 waratah Exp $
```

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Work on the command line [5]

Objective

Candidate should be able to interact with shells and commands using the command line. This includes typing valid commands and command sequences, defining, referencing and exporting environment variables, using command history and editing facilities, invoking commands in the path and outside the path, using command substitution, applying commands recursively through a directory tree and using man to find about commands.

Work on the command line [5]

Key files, terms, and utilities

• ,

• bash

• echo

env

exec

• export

• man

pwd

• set

• unset

• ~/.bash_history

• ~/.profile

Work on the command line [5]

Resources of interest

LPI Certification in a Nutshell pp15—19

LPIC 1 Cert. Bible Chapter 2

Linux Shells by Example by Ellie Quigley



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- See /etc/inittab



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sh The name of the original Bourne shell, usually a link to bash

tcsh An improved version of the UNIX C shell (csh)

ash A small shell for use in tight spaces such as tomsrtbt

ksh A copy of the korn shell

zsh A vast and powerful shell



The chsh command

```
$ chsh ←
  Changing shell for geoffrey.
  Password:
  New shell [/bin/bash]: /bin/zsh
  Shell changed.
This changes /etc/passwd
$ cat /etc/passwd | grep ^geoffrey ←
geoffrey:x:500:500:GHR:/home/geoffrey:/bin/zsh
 • List which shells are available to you
   \$ chsh -1 \leftrightarrow
 • Change to a new shell
   \$ chsh -s ksh \hookleftarrow
```

Environmental Variables

• View the contents of a variable:

• View the envionmental variables:

$$\$$$
 set \hookleftarrow

• Change a variable only in the current shell:

• Change a variable and make it environmental:

The bash Prompts

• The primary bash Prompt is set by the environmental variable PS1.

```
[geoffrey@marsbar ~/]$ echo $PS1
[\u@\h \W]\$
```

• The secondary prompt is set by the variable PS2

```
$ cat /usr/share/texmf/tex/latex/lyx/chess.sty \
> grep blahblah tee /tmp/file.save
```

• The tertiary prompt is set by PS3 and is used by the bash shell structure select.

The bash prompt settings

```
$ export PS1=[\u@\h \w]\$ ## not $PS1
[geoffrey@marsbar /usr/local]$
\u username
\h host name
\$ for users and # for root
\w full path of current working directory
\W base name of the current working directory
\! history number of the current command
```

\$PATH

Add a directory to your path thus

\$ PATH=\$PATH:/tmp ←

The End