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LCE406 - Training Evaluation and Validation

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Course Materials

Access to the course materials, LABS and tests requires a per trainee subscription to our LMS on the Internet.

You have been given a **free** 365 day subscription to your Course Materials on our LMS.

Reminder of the Training Program

- **LCE400 - CentOS 8 Linux (RHEL 8 / Oracle Linux 8) - Fundamentals**
  - Prerequisites
    - Hardware

        - Software
        - Internet
    - Using our infrastructure
    - Training Program
    - Skills Assessment

- **LCE401 - File Hierarchy System**
    - Linux File Hierarchy System
    - File Types
    - The mount Command
    - The /etc/fstab file
        - Understanding the /etc/fstab file
            - Mount Options
    - The umount Command
    - Unix File Systems
        - Superblock
        - Inodes
        - Data Blocks
        - Hard (Physical) Links
        - Soft (Symbolic) Links

- **LCE402 - The VIsual Editor**
    - Presentation
    - LAB #1 - Creating, Opening and Closing files with VI
        - 1.1 - Commands
        - 1.2 - Creating a new file with VI
        - 1.3 - Opening a file in read-only mode using view
        - 1.4 - Opening a file in read-write mode using VI
    - LAB #2 - The set Command
        - 2.1 - Commands
        - 2.2 - Turning on line numbering using set
    - LAB #3 - Moving around within the file
        - 3.1 - Commands
    - LAB #4 - Inserting Text
        - 4.1 - Commands

        - 4.2 - Inserting text
    - LAB #5 - Searching for Text
        - 5.1 - Commands
        - 5.2 - Searching for and replacing text
    - LAB #6 - Deleting Text
        - 6.1 - Commands
        - 6.2 - Deleting lines
    - LAB #7 - Copy, Cut and Paste
        - 7.1 - Commands
        - 7.2 - Copying, Cutting and pasting text
    - LAB #8 - Configuring a Personalised Interface

- **LCE403 - Help and Documentation**
    - Help on external commands
    - Help on built-in commands
    - The man command
        - Command Line Switches
    - The apropos command
        - Command Line Switches
    - The makewhatis and whatis Commands under RHEL/CentOS 6
        - Command Line Switches
    - The mandb and whatis commands with RHEL/CentOS 7
        - Command Line Switches
    - The info command
        - Command Line Switches

- **LCE404 - Basic Shell Commands and Text Manipulation Tools**
    - LAB #1 - Use of Basic Shell Commands
        - 1.1 - The stty Command
        - 1.2 - The date command
        - 1.3 - The who Command
        - 1.4 - The df Command
        - 1.5 - The free Command
        - 1.6 - The whoami Command
        - 1.7 - The pwd Command

        - 1.8 - The cd Command
        - 1.9 - The ls Command
        - 1.10 - The lsof Command
        - 1.11 - The touch Command
        - 1.12 - The echo Command
        - 1.13 - The cp Command
        - 1.14 - The file Command
        - 1.15 - The cat Command
        - 1.16 - The mv Command
        - 1.17 - The mkdir Command
        - 1.18 - The rmdir Command
        - 1.19 - The rm Command
        - 1.20 - The sort Command
        - 1.21 - The more Command
        - 1.22 - The less Command
        - 1.23 - The find Command
        - 1.24 - The su Command
        - 1.25 - The updatedb and locate Commands
        - 1.26 - The whereis Command
        - 1.27 - The which Command
        - 1.28 - The uptime Command
        - 1.29 - The w Command
        - 1.30 - The uname Command
        - 1.31 - The du Command
        - 1.32 - The clear Command
        - 1.33 - The exit Command
        - 1.34 - The logout Command
        - 1.35 - The sleep Command
        - 1.36 - The wall Command
        - 1.37 - The seq Command
        - 1.38 - The screen Command
    - LAB #2 - Switches and Arguments
    - LAB #3 - Regular Expressions
        - BREs

        - EREs
    - Manipulating Text Files
        - Text-search Utilities
            - The grep Command
            - The egrep Command
            - The fgrep Command
            - LAB #4 - Using grep, egrep and fgrep
        - The Stream EDitor SED
            - LAB #5 - Using sed
        - The Text Processor AWK
            - Presentation
            - Field Separation
            - Conditions
                - A regular expression applied to a record
                - A regular expression applied to a field
                - Comparisons
                - Logical Operators
                - Built-in Variables
            - Awk Scripts
            - The printf function
            - Control Statements
                - if
                - for
                - while
                - do-while
            - LAB #3 - Using awk
    - LAB 7 - Other Useful Commands
        - 7.1 - The expand Command
        - 7.2 - The unexpand Command
        - 7.3 - The cut Command
        - 7.4 - The uniq Command
        - 7.5 - The tr Command
        - 7.6 - The paste Command
        - 7.7 - The split Command

        - 7.8 - The diff Command
        - 7.9 - The cmp Command
        - 7.10 - The patch Command
        - 7.11 - The strings Command
        - 7.12 - The comm Command
        - 7.13 - The head Command
        - 7.14 - The tail Command
    - LAB #8 - Use the grep, tr and cut commands to extract your IPv4 address from the output of ifconfig
    - LAB #9 - Use the grep, awk and sed commands to extract your IPv4 address from the output of ip

- **LCE405 -Command Line Interface**
    - Contents
    - The Shell
    - /bin/bash
        - Internal And External Commands
        - Aliases
        - The Prompt
        - The history Command
        - The TAB key
        - Metacharacters
        - Protecting Metacharacters
        - Exit Status
        - Redirections
        - Pipes
        - Command Substitution
        - Conditional Command Execution
    - Environment Variables
        - Principal Variables
        - Internationalisation and Localisation
        - Special Variables
        - The env Command
    - Bash Shell Options
        - noclobber
        - noglob

        - nounset
    - Basic Shell Scripting
        - Execution
        - The read command
        - The test Command
        - The expression Command
        - Shell Operators
        - The expr Command
        - The let Command
        - Control Structures
        - Loops
        - Start-up Scripts
        - LAB #1 - Start-up Scripts

- **LCE406 - Training Validation**
    - Course Materials
    - Reminder of the Training Program
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Training Evaluation

Please complete and submit the training evaluation form.

Exam - Acquired knowledge

Please take the final examination.

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