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Linux operations and administration pdf.

1 Linux Operations and AdministrationChapter Five Creating Shell Scripts and Displaying File Contents 2 Objectives Identify and change Linux file permissionsCreate and run shell scripts Display the contents of a text file 3 An Overview of Linux File PermissionsViewing file permissions less -l command User, group, and other permissions: UsersAAAThe file owner GroupAAA group of users; users are divided into groups to facilitate administrative tasks OthersAAAeveryone else on the Linux system 4 An Overview of Linux File Permissions (contAAAAd.)Figure 5-1 File permissions AAAEngage Learning 2013 5 An Overview of Linux File Permissions (contAAAAd.)Read, write, and execute Functions of these permissions differ, depending on whether theyAAAare applied to files or directories Table 5-1 Defines permissions for files and directories 6 An Overview of Linux File Permissions (contAAAAd.)Table 5-1 Linux file and directory permissions 7 An Overview of Linux File Permissions (contAAAAd.)Example: -rw-r--r-- 1 martin users :20 file1 User category of permissions is set to rw- Hyphen (-) represents no permission Read, write, not execute Group category is set to r-- Group has read permission but not write and execute permissions Other category is set to r-- Every user on the system has read permission but not write or execute 8 Permission Commands chmod (change mode) command NotationsChange permissions on files and directories Syntax: chmod permissions file/directory argument Specifies the file or directory you want to change Notations Symbolic notation Numeric notation 9 Permission Commands (contAAAAd.)Symbolic notation Uses criteria such as categories and operators to change file permissions Described in Table 5-2 Example: chmod o-wx file4 Numeric notation Uses numbers from 0 to 7 to represent file permissions Shown in Table 5-3 Example: chmod 774 file1 10 Permission (contAAAAd.)Table (contAAAAd.)Table 5-2 Symbolic notation 11 Permission Commands (contAAAAd.)Table 5-3 Numeric notation 12 Permission Commands (contAAAAd.)Figure 5-2 File permissions in numeric notation AAAEngage Learning 2013 13 Creating Shell ScriptsContains a sequence of commands to execute line by line Used in troubleshooting Some scripts run when the Linux system starts Need to know how to manage these scripts if problems occur during the boot process Programming language Set of rules for instructing a computer how to perform specific tasks 14 Creating Shell Scripts (contAAAAd.)Machine code Consists of binary 1s and 0s and Language a computerAAAAs CPU understands Scripts can be considered compiled programs or interpreted programs Compiled program: all the source code is converted to machine code and stored in a binary file before the user runs the script Interpreted program: source code is converted to machine code, line by line, as the user runs the script 15 Creating Shell Scripts (contAAAAd.)In Chapter 5: BASH shell interpreter Create a shell script: Create a file Assign execute permission for it Run a shell script: Enter the absolute or relative path to where itAAAAs stored Example: run a script called scr1 thatAAAAs stored in your current directory ./scr1 16 Creating Shell Scripts (contAAAAd.)Activity 5-1: Creating a Shell Script Create and run a shell script #!/bin/bash command Specifies running the script in the BASH shell Comment Add documentation information for users and anyone else who might need to modify the script 17 Variables Environment variable Table 5-4Placeholder for data that can change Gets its value automatically from the OS startup or the shell being used Each user has his or her own environment variables Table 5-4 Describes some common environment variables 18 Variables (contAAAAd.) 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Figure 5-7 EXIT OF THE ME command No AAA AAA ENGAGE Learning 2013 52 Shell Script assigned in the user, group and other modified categories using the Chmod Command Shell scripts The values are assigned to variables for direct assignment, positional parameters, or the prompt method The conditions of condition used for Perform specified portions of a script that correspond to the condition 53 summary (cont'd.) Content of the List of Listol options used in Shell's scripts are while, until, and for the content of CAT and Tic list files, print the full content of head and tail file displays the start or end of the more and less file view the screen of the screen file

13/08/2019 · Introduction to Linux System Administration: Linux is a major strength in computing technology. Most of the webserver, ... The job of a Linux systems administrator is to manage the operations of a computer system like maintain, enhance, ... proc file system in Linux. 01, Apr 18. Taking Linux System Snapshots with Timeshift. 31, ... 12/05/2022 · The awk command is built-in on the Linux operating system. Often described as a scripting language, awk is very powerful, providing us with functions to perform various operations on the input data. In this example, we can see that by using a simple regular expression, awk will give us the result we're expecting to get. Using /Baeldung/, we'll match any ... virsh shutdown --mode=agent · This shutdown method is more reliable than virsh shutdown --mode=acpi, as virsh shutdown used with the QEMU guest agent is guaranteed to shut down a cooperative guest in a clean state. If the agent is not present, libvirt has to instead rely on injecting an ACPI shutdown event, but some guests ignore that event and thus will not shut down. Storage Administration Guide 1. Overview Expand section "1. Overview" Collapse section "1. Overview" 1.1. New Features and Enhancements in Red Hat Enterprise Linux 7 1. File Systems Expand section "1. File Systems" Collapse section "1. File Systems" 2. File System Structure and Maintenance Expand section "2. System-wide .cshrc file for csh(1). This file is sourced on all invocations of the shell. This file should contain commands to set the command search path, plus other important environment variables. This file should not contain commands that produce output or assume the shell is attached to a tty. /etc/cuprc

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