

Linux_Plus_9_Recap_VR

Pear Deck Session

Training Clarusway

Pear Deck - September 27, 2020 at 3:04PM

Slide 2

»

Linux Plus
for
AWS and DevOps
Session - 9 (Last Session)
RECAP



CLARUSWAY
WAY TO KNOWLEDGE

Use this space to take notes:

Slide 3

► Exercise - Users and Groups »

Create a user named **dev_user**
Set password of **dev_user** as **clarusway**
Create a group named **dev_team**
Add **dev_user** user to the group **dev_team**
Display **groups** of **dev_user** user
Remove **dev_user** from **dev_team** group
Display **groups** of **dev_user** user
Delete **dev_team** group
Delete **dev_user** user with home directory




Students, write your response!

Pear Deck Interactive Slide


Your Response

```
sudo su
useradd dev-user
# etc klasoru icinde kullanicilari gorebiliriz.
cat passwd
passwd dev-user
# cat group gruplari grebiliriz.
groupadd dev-team
gpasswd -a dev-user dev-team
groups dev-user
gpasswd -d dev-user dev-team
groups dev-user
groupdel dev-team
userdel -r dev-user # -r home klasorunude siler.
```


Use this space to take notes:

Slide 4	Your Response
<p>► Exercise - Package managers»</p> <p>Update all installed packages Check if mariadb is already installed Find available mariadb packages Install mariadb. (Skip confirmations during installation) List installed mariadb package Uninstall mariadb with all unused dependencies List installed mariadb package</p> <p> Clarusway Students, write your response!</p> <p>Press Deck Interactive Slide Go to next slide</p>	<pre>sudo yum update -y sudo yum list installed mariadb sudo yum list mariadb sudo yum list installed mariadb sudo yum autoremove mariadb -y sudo yum list installed mariadb</pre>


Use this space to take notes:

Slide 5	Your Response
<p>► Exercise - Control characters»</p> <p>1. a. Search for "clarusway.txt" in the current directory b. If it exists display its content c. If it does not exist print message "FILE DOES NOT EXIST" 2. Create a file named "clarusway.txt" that contains "Congratulations" 3. Repeat Step 1</p> <p> Clarusway Students, write your response!</p> <p>Press Deck Interactive Slide Go to next slide</p>	<pre>sudo su ls clarus* ls clarusway.txt && more clarusway.txt cat clarusway.txt ls clarusway.txt && more clarusway.txt echo "FILE DOES NOT EXIST" vim clarusway.txt i Congratulations ESC :wq ls clarus*</pre>


Use this space to take notes:

Slide 6	Your Response
<p>► Exercise Bash 1 »</p> <ol style="list-style-type: none"> Write a script that; <ol style="list-style-type: none"> Asks user to enter two numbers to variables num1 and num2. Calculates the total of 2 numbers. Prints the total number and applied formula. Make the script executable Add home directory to the PATH Execute the script <p> Students, write your response! <small>Pear Deck Interactive Slide</small></p>	<pre>#!/bin/bash read -p "Enter a number" num1 num2 let total = \$num1 + \$num2 print(\$total) chmod +x bash1.sh export PATH=\$PATH:~/ # home klasorunu bin altinda olusturdugumuzdan ./ gerek yok bash1.sh</pre>


Use this space to take notes:

Slide 7	Your Response
<p>► Exercise Bash 2 »</p> <ol style="list-style-type: none"> Modify previous script to accept numbers as arguments. <p> Students, write your response! <small>Pear Deck Interactive Slide</small></p>	<pre>#!/bin/bash Echo "SAyilarin Toplami: \$((\$1 + \$2))" chmod +x bash2.sh ./bash2 .sh bash2.sh 11 22 33</pre>


Use this space to take notes:

Slide 8	Your Response
<p>► Exercise - Filters »</p> <ol style="list-style-type: none"> 1. Create a file named passwords.csv with the following content User,Password finance,xJ2a_P11 tech,Qc8r7!2P hr,l30o_2mM operation,12345678 marketing,qwertyui sales,abcdefgh 2. Write a script that accepts user name as argument and prints the password of that user. <div data-bbox="191 625 792 667">  Students, write your response! Peer Deck Interactive Slide </div>	<pre> vim passwords.csv User,Password finance,xJ2a_P11 tech,Qc8r7!2P hr,l30o_2mM operation,12345678 marketing,qwertyui sales,abcdefgh #!/bin/bash passwd=\$(cat password.csv grep \$1 cut -d',' -f2) echo "password of \$1 : \$passwd" chmod +x bash3.sh ./bash3.sh hr </pre>

Use this space to take notes:

Slide 9	Your Response
<p>► Exercise Bash 3</p> <ol style="list-style-type: none"> Write a script that accepts username as argument <ol style="list-style-type: none"> if argument is empty use current user's name find description of the user and print it if description is empty print "No description" Create 2 different users with separate descriptions and one without any description. Test your script with newly created users. <p> <small>Students, write your response!</small> <small>Peer Deck Interactive Slide</small></p>	<pre>#!/bin/bash username=\$(whoami) if [\$1] then username=\$1 fi description=\$(cat /etc/passwd grep \$username cut -d":" -f5) if ["\$description" != ""] then echo "Description of \$username is \$description" else echo "No description for user \$username" fi sudo useradd hr -c "Human Resources Section" sudo useradd tech -c "Technical Stuff" sudo useradd aws #!/bin/bash username=\$(whoami) if [\$1] then username=\$1 fi description=\$(cat /etc/passwd grep \$username cut -d":" -f5) if ["\$description" != ""] then echo "Description of \$username is \$description" else echo "No description for user \$username" fi get_password \$username</pre>

Use this space to take notes:

Slide 10	Your Response
<p>► Exercise Bash 4</p> <ol style="list-style-type: none"> Write a script that accepts a path as an argument <ol style="list-style-type: none"> If the argument is not empty go to that directory, otherwise stay in the current directory Add a number from 1 before all the files that has csv extension. <p> <small>Students, write your response!</small> <small>Peer Deck Interactive Slide</small></p>	<pre>if [\$1] then cd \$1 fi number=1 for FILE in *.csv do mv \$FILE \$number-\$FILE let number++ done mkdir new touch test.csv sec.csv third.csv test.txt</pre>

Use this space to take notes:

Slide 11	Your Response
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► Exercise Bash 5

Write a script that consists of a function that accepts a directory name as an argument and displays the name of the directory and number of files in the directory.

Name this function "file_count" and call it in your script for;

/etc

~

/usr/bin



Students, write your response!

Peer Deck Interactive Slide
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```
function file_count()
{
  local Directory=$1
  COUNT_FILE=$(ls $Directory|wc -l)
  echo "$Directory - $COUNT_FILE"
}
file_count /etc
file_count ~
file_count /usr/bin
```

Use this space to take notes: