devops Day 13

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Logical Volume management

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to create a disk partition without downtime

how to create a LVM

to install the lvm software

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yum install lvm2 -y

create phisical volumes

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pvcreate /dev/xvdb

how to show the phisical volumes

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pvs

how to show the phisical volumes full imformation

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pvdisplay

how to create volume groups

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vgcreate vg1 /dev/xvdb

how to show the volume grops

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vgs

how to show the volume groups full imformation

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vg display

how to create logical volumes

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lvcreate -L size -n lv1 vg1

how to show the LVMs

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lvs

how to show the lvms full imformation

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lvdisplay

how to add file system to lvms

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mkfs -t xfs /dev/vg1/lv1

how to mount lvms

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first create an folder

folder myvolume

mount /dev/vg1/lv1 myvolume

how to unmount lvms

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umount myvolume

how to increase lvm size

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lvextend -L+5g -n lv1 vg1

how to increase volume group size

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vgextend vg1 /dev/xvdb

lsblk

website configurations

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yum install httpd -y

systemctl restart httpd

to craete own website

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cd /var/www/html

vim index.html

write some data

how to change httpd port number

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vim /etc/httpd/conf/httpd.conf

listen 80

change to listen 8080

how to show the output in browser

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give publicip:80/8080

ex:1.2.3.4:80

systemctl stop httpd

yum install nginx -y

systemctl restart nginx

how to create own website

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cd /usr/share/nginx/html

vim index.html

to write some data

default port number---80

how to run a two websites at a time

1.start the two servers

2.change the httpd port number 80 to 8080

3.then give public ip

works on 80 and 8080