**Pre-State  
 - set selinux to permissive  
Phase 1:** upgrade from rhel 8.4 to rhel 8.8:

* Take snapshot from vm
* Attach rhel 8.8 iso to vm
* # vim /etc/fstab  mount cdrom under /mnt/cdrom
* # yum clean all
* # yum update
* # cat /etc/redhat-release ( to verify )

**Phase 2:** upgrade from rhel 8.8 to rhel 9.2:

* # dnf install leapp-upgrade
* # dnf install httpd
* # systemctl start httpd
* # systemctl enable httpd
* Attach rhel 9.2 iso to vm
* # scp root@10.20.53.4:/root/leapp\_upgrade.repo /etc/yum.repos.d/
* remove local repo for vm
* # cd /var/www/html/
* # ln -s /mnt/cdrom
* # cd
* # scp [root@10.20.53.4:/root/leapp-data-22.tar.gz](mailto:root@10.20.53.4:/root/leapp-data-22.tar.gz) /root/
* # tar -xzf leapp-data-22.tar.gz -C /etc/leapp/files
* # vim /etc/ssh/sshd\_config  put (#) before PermitRootLogin
* # leap preupgrade --enablerepo upgrade-BaseOS --enablerepo upgrade-AppStream –no-rhsm –target 9.2
* If there is no error run upgrade :

# leap upgrade --enablerepo upgrade-BaseOS --enablerepo upgrade-AppStream –no-rhsm –target 9.2

* #reboot

**Phase 3: after upgrade**

* # vim /etc/ssh/sshd\_config  remove (#) before PermitRootLogin
* **#** systemctl restart sshd
* **#** yum remove httpd
* # rm -f /etc/yum.repos.d/leap\_upgrade.repo
* Restore original local repo

**------------------------------------done-------------------------------**

**Refrences:**

* <https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/9/html/upgrading_from_rhel_8_to_rhel_9/assembly_preparing-for-the-upgrade_upgrading-from-rhel-8-to-rhel-9>
* <https://access.redhat.com/articles/4977891>
* <https://access.redhat.com/articles/3664871>
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