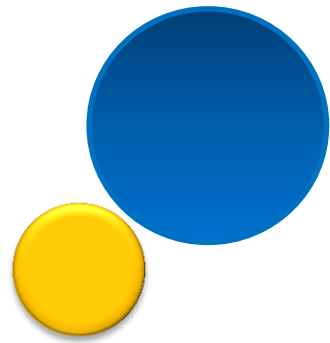


LINUX ADMIN



**MISSION TO TRAIN
THE STUDENT WELL
ESTABLISHED
SOCIETY WITH A
POOL OF HUMAN
TALENTS TO FULLFILL
THE REQUIREMENTS
COMPANY/NATION**

WITH SYSTEMATICS APPROACH!



ABOUT

LINUX ADMIN AGASTYAS SOLUTIONS

AGASTYAS SOLUTIONS is provides a well-known professional's **LINUX ADMIN** training.

LINUX ADMIN Course offered at AGASTYAS SOLUTIONS are devised with best practices recommended by Google and other leading search engines. Our strategies are developed with many years of experience. We are passionate about **LINUX ADMIN** and that's why our strategies WORK! We are sure our sound knowledge and effective **LINUX ADMIN** principles will turn you into an **LINUX ADMIN** Professional.



OUR MOTO!

TO TRAIN AND MAKE
EVERYSTUDENT AN
OUTSTANDING **LINUX**
ADMIN PROFESSIONALS.



OUR STUDENTS WORKS AT



AGASTYA SOLUTIONS

A journey to excellence



ADVANCED AND EXPERT LINUX ADMIN

- ❖ SUPPORT & GUIDANCE FOR GOOGLE & OTHER INDUSTRY CERTIFICATIONS.
- ❖ CASE STUDIES & REAL TIME PROJECTS/
TRAINING

DURATIONS

45 - 75 Hours. ⌚



INTRODUCTION TO RED HAT

ENTERPRISE LINUX

• GNU

• LINUX

• RHEL



Red Hat

Enterprise Linux

INTRODUCTION TO GNU/LINUX

• GNU TOOLS AND UTILITIES

• LINUX KERNELS

• GNU/LINUX DISTRIBUTIONS



INSTALLING RED HAT ENTERPRISE

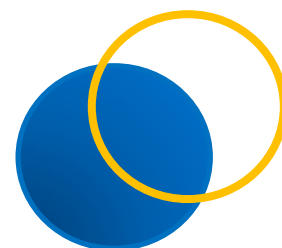
LINUX

• INSTALLATION OPTIONS

• SERVER INSTALL

• WORKSTATION INSTALL

• CD INSTALL

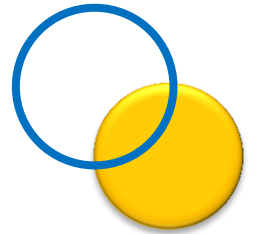


- # KICKSTART INSTALL
- # NETWORK INSTALL
- # CUSTOMIZING THE INSTALL



BOOTING RED HAT ENTERPRISE LINUX

- # FIRMWARE PHASE
- # BOOT LOADER PHASE
- # KERNEL PHASE
- # KERNEL BOOT PARAMETERS
- # INIT PHASE



AUTOMATING PROGRAMS

- # RUN LEVELS
- # /ETC/RC.D FILES
- # CUSTOMIZATION OF RUN LEVELS
- # CRON AND ANACRON
- # AT AND BATCH





LOGIN OPTIONS

- + CONSOLE LOGON**
- + CONTROLLING CONSOLE LOGIN**
- + VIRTUAL CONSOLES**
- + SERIAL LOGIN**
- + REMOTE LOGIN**
- + SSH LOGIN**



BUILDING A CUSTOM LINUX KERNEL

- + KERNEL VERSIONS**
- + KERNEL SOURCE FILES**
- + KERNEL PATCH FILES**
- + KERNEL CONFIGURATION**
- + KERNEL BUILDING**
- + TESTING A NEW KERNEL**



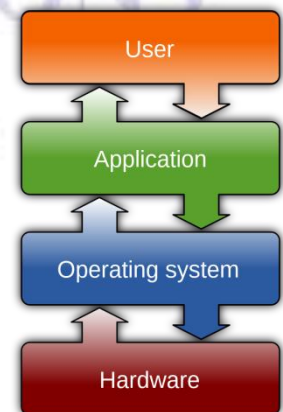
THE GNU/LINUX FILESYSTEM

- ▣ PARTITION TYPES
- ▣ FILESYSTEM TYPES
- ▣ MOUNTING
- ▣ AUTOMOUNT
- ▣ FILE TYPES
- ▣ FILE SECURITY



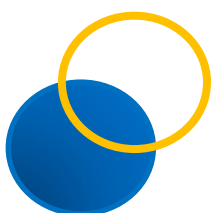
KEY FILESYSTEM LOCATIONS

- ▣ BOOT FILES
- ▣ USER FILES
- ▣ ADMINISTRATOR FILES
- ▣ CONFIGURATION FILES
- ▣ LOG FILES



THE /PROC PSEUDO FILESYSTEM

- ▣ PROCESS INFO
- ▣ KERNEL CONFIG INFO



- # HARDWARE INFO
- # CHANGING /PROC INFO
- # SYSCTL



BASH
THE BOURNE-AGAIN SHELL

BASH – BOURNE AGAIN SHELL

- # KEY /BIN COMMANDS
- # KEY /SBIN COMMANDS
- # HISTORY
- # MAN AND INFO
- # VI
- # USING SHELL SCRIPTS



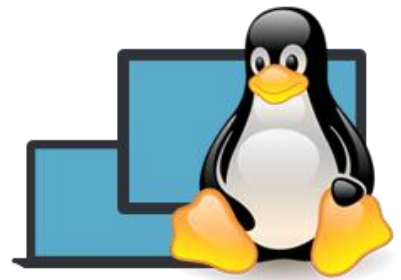
USER MANAGEMENT

- # USERS AND GROUPS
- # HOME DIRECTORIES
- # PASSWORD FILES
- # PAM
- # QUOTAS



✚ NIS INTRO

SOFTWARE MANAGEMENT



✚ TAR FILES

✚ PATCH FILES

✚ RPM

HARDWARE MANAGEMENT



✚ TYPES OF DEVICES

✚ /DEV NAMESPACE

✚ MODULES



NETWORK MANAGEMENT

✚ TYPES OF NETWORK DEVICES

✚ MONITORING NETWORK DEVICES

✚ CONTROLLING NETWORK SERVICES

✚ XINTED

✚ IPTABLES



NETWORK SERVICES – PART I

+ DHCP

+ DNS

+ SSH



NETWORK SERVICES – PART II

+ FTP

+ NFS

+ SAMBA



NETWORK SERVICES – PART III

+ SENDMAIL

+ APACHE

+ SQUID PROXY SERVER



THE X WINDOW SYSTEM

+ X SERVERS AND X CLIENTS

✚XFREE86

✚X FONTS

✚GTK AND KDE

✚EXAM PRACTICE

✚INSTALLATION CHALLENGES

✚CONFIGURATION CHALLENGES

✚TROUBLESHOOTING CHALLENGES



**GETTING A HIGH PAYING JOB OR
SETTING UP YOUR BUSINESS**

**BEST WISHES FOR YOUR GREAT
ENDEAVORS & FUTURE!**



THANK YOU!

