

ATOL: Goals

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Advanced Topics of Linux Administration

- ▶ Goals:
 - ▶ Successfully install selected Linux distribution
 - ▶ Create a kickstart configuration file and perform automatic installation

Lab: Redundant Array of Inexpensive Disks

- ▶ Goals:
 - ▶ Deploy LVM on the software RAID device
 - ▶ Create a group with two partitions such that new partition could be added, and the filesystem could be extended
 - ▶ Create encrypted filesystem to protect your data

- ▶ Goals:
 - ▶ A system that does not respond to *ping*
 - ▶ A system that provides `/dev/myusbdisk` automatically after a reboot.

▶ Goals:

- ▶ Use SELinux to block access to 'ping' for ordinary users
- ▶ Use SELinux to block access to /etc/passwd to given application

- ▶ Goals:
 - ▶ Create a virtual machine on your computer using kickstart
 - ▶ Setup network connection through your 'real' machine
 - ▶ Using a LVM snapshots create a new virtual machine from existing one

- ▶ Goals:
 - ▶ Setup iSCSI target and initiator (use physical machine as storage device)
 - ▶ Assign second IP address to the storage device
 - ▶ Use both of IP addressess to access storage device using multipath

▶ Goals:

- ▶ Create two-node cluster on virtual nodes with proper fencing
- ▶ Create LAMP stack as a cluster resource group (Apache, MySQL) - use NFS export from physical node
- ▶ Use telnet as a cluster service (you can expect you won't have more then one such service in cluster)

- ▶ Goals:
 - ▶ Create GFS on iSCSI device exported from physical node
 - ▶ Extend this filesystem by 100 MiB