# Linux System Administration Advanced (LSAA) Exam Blueprint \*

You will be working in a remote environment containing between 5 and 7 virtual machines

You are expected to demonstrate your knowledge gained during the course by utilizing the studied technologies

You will be asked to perform a set of tasks taken from the following categories

### Local, Distributed, and Shared Storage

Demonstrate knowledge and readiness to work with storage solutions. You must be able to install and configure the services and manage the corresponding artefacts (arrays, disks, shares, etc.)

* Local Storage (Soft RAID, LVM)
* Advanced Filesystems (ZFS, BTRFS)
* Distributed Storage (GlusterFS, iSCSI)
* Shared Storage (NFS, Samba)

### Virtualization and Containerization

Demonstrate knowledge and readiness to work with virtualization and containerization solutions. You must be able to install and configure the services and manage the corresponding artefacts (virtual machines, container images and containers)

* Virtualization (KVM)
* Containerization (LXC, Docker)

### Monitoring and Maintenance

Demonstrate knowledge and readiness to work with monitoring and configuration management solutions. You must be able to install and configure the services and manage the corresponding artefacts (object definitions, inventories, tasks, plays, and playbooks)

* Monitoring (Nagios)
* Configuration Management (Ansible)

### Clustering and High Availability

Demonstrate knowledge and readiness to work with solutions for load balancing and failover clusters. You must be able to install and configure the services and manage the corresponding artefacts (configurations, resources, etc.)

* Load Balancing (HAProxy)
* Failover Clusters

### Network Services

Demonstrate knowledge and readiness to work with web servers. You must be able to install and configure the services and manage the corresponding artefacts (configurations, modules, virtual hosts, etc.)

* Web Servers (Apache, NGINX)

*\* Please note, that all sections may include or rely on commands and topics that were covered in the previous course (****Linux System Administration****)*