Primary Capability	High Level Topic	Training - Topic
		Linux OS - Overview
DevOps	Overview of Linux	user management and passwordless login
		cronjobsediting, setting, deleting
		software/package installationdifferent ways (assuming on
		Logging in/out and the su command
		Transferring files
		Linux Directory Structure
		Basic linux commands (awk, sed, grep, piping of commands etc,
		Basic troubleshooting including network troubleshooting
		Shell scripting
		Section Assessment
		Version Control using Git: Basic commands, concepts of
		CI: What is CI
		Introduction to Jenkins: Installation, basic configuration, master-
		Overview of Microservices wrt builds and deployemnts
DevOps	CI Basics	Overview of Sonarqube
		OWASP Top 10,0WASP Vulnerabilties, Running a ZAP scan,
		Quick overview of DOJO services: BitBucket, Bamboo, Jira,
		MS Build, Octopus Deploy
		Section Assessment
		Claud Communities Dales Claud Communities Develite Daline Claud
	AWS Cloud Overview	,
		,
DevOps		
		Section Assessment
		High level tour and understanding of various Azure services
	Azure Cloud Overview	
DevOps		
	risation Concepts usir	Cloud Computing Roles, Cloud Computing Benefits, Define Cloud Computing, Drivers for Cloud Computing, Cloud Essential Characteristics, Cloud Deployment Models, Cloud Deployment AWS Fundamentals covering core services VPC, IAM, S3, EBS, Introduction to AWS DevOps tools Section Assessment High level tour and understanding of various Azure services Equivalent Azure Services for AWS services Working with with basic services like Compute, Web and Databases Introduction to Azure DevOps tools Section Assessment Introduction to Docker: what are containers, why use Local setup
		Local setup
		Containers overview and Container Management commands
		Docker networking and volume management basics
DevOps		Creating images: Dockerfile Directives
Devops		Basic docker file scanning tools (Snyk, ECR scanning, Docker
		Image registry options and how to use in a setup (ECR, JFrog,
		AWS Elastic Container Service
		Docker compose
		Section Assessment
		build and deployment on AEM
		basic administration

DevOps	AEM Overview	dispacher configurations
·		AEM architecture and deployment topologies (single author,
		Section Assessment
		laaC overview and general tools
		Terraform overview
DevOps	Infra as Code	Introduction to CloudFormation
Беторз	mira as coac	Azure Resource Manager
		Demo and exercises on deplying an n tier infrastructure and
		Section Assessment
		Kubernetes Overview
		Introduction to core concepts: what on master, what on worker
		kubectl overview
		namespace, label selectors, pods, types of service,
		Configmaps and secrets
DevOps	Kubernetes	Autoscaling
- 51 5 ps		Healthcheck probes
		init and sidecar containers: when to use
		Deployment strategies: rolling, blue green, canary
		ECS, EKS Introduction,
		Kubernetes & in general container security
		Section Assessment
		TCP/IP concepts: bitmasks, subnetting, gateways, IP addresses
	tworking Fundament	composition
		VLANs
		NAT and Private IP Addressing
		Firewalls
		How does Subnetting work?
		CIDR
		VPN
		Firewalls – Host-based, network-based and virtual
DevOps		Windows - Host Based Firewalls - Windows Firewall
		Windows - Host Based Firewalls - Windows Firewall Control
		(WFC)
		Windows - Host Based Firewalls - Third Party
		Linux - Host Based Firewalls - iptables
		Linux - Host Based Firewalls - UFW, gufw & nftables
		Mac - Host based Firewalls - Application Firewall & PF
		Mac - Host based Firewalls - pflist, Icefloor & Murus
		Mac - Host based Firewalls - Little Snitch
		Network based firewalls - Routers - DD-WRT
		Basic Linux network troubleshooting: Troubleshooting network
		Section Assessment
		Coftware Configuration C Management 1
		Software Configuration & Management using Ansible
		Overview of YAML and JSON Overview of Ansible
	ī	ILIVERVIEW OF ANCINIA

DevOps Ansible Overview of Roles Ansible playbooks with demo Typical practical use cases. Deployment of artifacts using Ansible on EC2 from within Section Assessment Installation and upgradation of Apache from source and rpm with various options Compiling and Configuring dynamic modules and enabling it with apache (mod deflate, mod evasive) Different types of virtual hosting and how to configure the same in apache. Apache proxy settings Setting up apache load balancing and integrating application servers like Tomcat Section Assessment Tomcat Application Server: why needed Tomcat Application Server pre-requisites, installation and sensitivation.
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Icontiguration
configuration
Starting, stopping instances
Application deployment
DevOps Tomcat App Server Configuring JVM, Environment Variables, data source,
connection pool etc.
Multiple instances setup and managing ports
Configuring Clusters
Section Assessment
Section Assessment
Security Certificates, SSL installation, configuration
Types of SSL - single domain, multiple domain, wildcard, self-signed
DevOps SSL Certificates SSL certificate formats (PEM, DER, PFX)
How to generate different forms of certificates
Section Assessment
What is monitoring?
Types of monitoring
Observability
Infrastructure and Network monitoring
Infrastructure monitoring Tools
Dashboards for Infrastructure monitoring
Miscellaneous Configurations for Infrastructure monitoring
Application Monitoring
Application Monitoring Tools
Dashboards for Application Monitoring

Build and Release management Continuous Integration, Continuous Delivery and Deployr Branching strategy: Gitflow	nitor
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Branching strategy: Gitflow	
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Build Management: Introduction to Maven & Grunt as bu	ild
Build process using traditional tomcat based and docker	
DevOps CI Advanced Suild best practices	
Sonarqube integration in CI pipeline, administration	to in
CI concepts and typical phases and talk on How Jenkins fi	
here: Static security check (Checkmarx), unit testing (junijava, jasmine for frontend etc.), code coverage, Sonarqub	TOT.
quality, functional testing automation, performance testi Section Assessment	e code