

Cloud Computing	
SOURCE: 01	Cloud Computing
01	Cloud Computing Introduction Basic Structure of Cloud Computing
02	Cloud Computing Working Models Deployment and Service Models
03	Cloud Computing Benefits Risks, Limitations, Components Types of Cloud Environment
04	Cloud Computing Characteristics
05	Public Cloud Model Introduction Advantages, Disadvantages
06	Private Cloud Model Introduction Advantages, Disadvantages
07	Hybrid Cloud Model Introduction Advantages, Disadvantages
08	Community Cloud Model Introduction Advantages, Disadvantages
09	Cloud Computing Architecture Font End and Back End
10	Cloud Computing Infrastructure Hypervisor Introduction
11	Cloud Computing Technologies Virtualization, SOA, Grid Computing and Utility Computing
12	SaaS – Cloud Computing Software as a Service Application, Characteristics, Benefits, Issues
13	Pass – Cloud Computing Platform as a service Types, Characteristics, Benefits, Issues
14	IaaS – Cloud Computing Infrastructure as a Service Characteristics, Benefits, Issues
15	Cloud Computing Client Server Technology Advantages, Disadvantages
16	Cloud Computing Peer to Peer Computing Advantages, Disadvantages
17	Cloud Computing Distributed computing Advantages, Disadvantages
18	Cloud Computing GRID Computing Advantages Evolution of Cloud Computing
19	Autonomic and Parallel Computing Architecture
20	Cloud Computing Applications Business, Data Storage and Backup, Management, Social etc
21	Cloud Computing Challenges Cost, Reliability, Downtime, Security, Privacy, Lock-In
22	Cloud Computing Operations Cloud Computing Providers
23	Cloud Computing Virtualization, Hardware Virtualization Characteristics
24	Types of Hardware Virtualization Reference Model, Advantages
25	Cloud Computing Security Boundaries, Protecting Data Mechanism, Brokered Cloud Storage Access
26	Cloud Computing Security Concerns Threats in Cloud Computing Security
27	IMA (Identify and Access Management) Cloud Computing Security Mechanism
28	PKI (Public Key Infrastructure) Cloud Computing Security Mechanism
29	Encryption (Symmetric vs Asymmetric) Cloud Computing Security Mechanism
30	Single Sign On (SSO) Cloud Computing Security Mechanism
31	Direct I/O Access Architecture Specialized Cloud Architecture
32	Load Balanced Virtual Switches Architecture Specialized Cloud Architecture
33	Multipath Resource Access Architecture Specialized Cloud Architecture
34	Federated Cloud Introduction, Advantages
35	Cloud Mobility Introduction, Advantages, Benefits
36	Cloud Based ERP Software Introduction, Advantages, Benefits
37	Cloud Based CRM Software Introduction, Advantages, Benefits
38	Cloud Based Supply Chain Management (SCM) Software Introduction, Benefits
39	Mobile Cloud Computing (MCC) Architecture, Advantages, Issues, Applications
40	Virtual Machine Provisioning Life Cycle, VM Provision Process

Google Cloud	
SOURCE: 01	Google Cloud Essentials
01	What is Google Cloud
02	Getting Stated with Google Cloud
03	Machine Learning on Google
04	How to Run Code on Google Cloud
05	How to Store Data on Google Cloud
06	How to Use The Google Cloud Free Program
07	How to Use the Google Cloud Console
08	Platform Overview – Code and Build Tools
09	Debugging, Distributed Tracing, and Profiling for Web Applications
10	Error Reporting
11	Cloud Logging
12	GCP vs Firebase – Functions and Fire-store
13	GCP vs Firebase – Projects and Storage
14	Top 3 Ways to Run Your Containers on Google Cloud
15	GCP Staying in Touch
16	Hands-on GCP
17	Platform Overview – Data and Storage
18	Platform Overview – Serverless
19	Platform Overview – Machine Learning
20	Platform Overview – Compute
21	Developer and Management Tools
22	The Cloud Console Tour
23	The Google Cloud Platform Free Trial and Free Tier
24	Welcome to Google Cloud Platform – The Essentials of GCP
SOURCE: 02	Google Cloud Platform GCP
01	Google Cloud Platform Part-1.1
02	Google Cloud Platform Part-2.1
03	Google Cloud Platform Part-3.1
04	Google Cloud Platform Part-1.2
05	Google Cloud Platform Part-2.2
06	Google Cloud Platform Part-3.2
07	Google Cloud Platform Part-1.3
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09	Google Cloud Platform Part-3.3
10	Google Cloud Platform Part-1.4
11	Google Cloud Platform Part-2.4
12	Google Cloud Platform Part-3.4

Virtualization	
SOURCE: 01	Introduction to Virtualization
01	Virtualization Introduction
02	VMs Hosts and Hypervisors
03	Types of Hypervisors Hypervisors
04	VM Files and Live Sate Hypervisors VM
05	CPU Virtualization Virtual Machine Cloud
06	Memory Virtualization Virtual Machine
07	Virtual Networking Network Virtualization
08	Storage Virtualization Vm ESXI Virtual Machine
09	Virtualization Benefit Efficiency Virtualization
10	Virtualization Benefit Mobility VMWARE Virtualization
11	Converting Physical Servers to VMs Covert Physical Server to VMs Virtual Machine
SOURCE: 02	Introduction to Virtualization
01	Overview of Virtualization
02	VMware VSphere A-Z – Getting Started with Virtualization
03	Licensing Overview of VMware VSphere
04	VMware VSphere Overview
05	Architecture of Server Virtualization
06	Describe The Software Defined Datacenter (SDDC)
07	Introduction to VMware ESXi (Hypervisor)
08	Installing and Configuring VMware ESXi
09	Introduction to VMware VCenter Server
10	Installing VMware VCenter Server
11	Using VSphere Client to Access VCenter Server
12	Understanding of VCHA (VCenter High Availability)
13	Overview of Virtual Standard Switch
14	Creating and Configuring Virtual Standard Stitches
15	Network Policies – Security , Traffic Shaping, NIC Teaming and Failover
16	Overview of Storage Concept
17	Understanding of Different Types of Data-stores
18	Thin vs Thick Disk Type
19	Create and Manage VMFS Data Store
20	Understanding of Virtual Machine and Files
21	Creating Virtual Machine
22	Understanding of VMware Tools and Virtual Hardware
23	Day to Day Operations Related to Virtual Machine
24	Creating Resource Pools and VApp
25	Understanding of VSphere High Availability (HA)
26	Configuring VSphere HA
27	Migrating Virtual Machines Using VMotion
28	Migrating Virtual Machines Using Storage VMotion
29	Understanding of VSphere Fault Tolerance
30	Understanding of VSphere Distributed Resource
31	Configuring VSphere DRS
32	Understanding of VSphere Update Manager
33	Understanding of SSphere Replication
34	Understanding of VSphere Data Protection