Server Management, Virtualization and Networking

Audience: BPS IT Officials

Day/Time	Session	Topic	Resource Person
Day 21			
09:30am–11:30am	Session 1	Installation on Linux server	Server Management, Virtualisation and Network Expert
11:30am-11:45am	Refreshment		
11:45am-01:00pm	Session 2	Installation on Linux server Practical exercise	Server Management, Virtualisation and Network Expert
01:00pm-02:00pm	Lunch		
02:00pm-03:00pm	Session 2	Installation on Linux server Practical exercise	Server Management, Virtualisation and Network Expert

Day/Time	Session	Topic	Resource Person
Day 22			
09:30am–11:30am	Session 3	Basic command syntax of Linux	Server Management, Virtualisation and Network Expert
11:30am-11:45am	Refreshment		
11:45am-01:00pm	Session 4	Getting helps in Redhat Enterprise Linux	Server Management, Virtualisation and Network Expert
01:00pm-02:00pm	Lunch		
02:00pm-03:00pm	Session 4	Practical exercise MCQ	Server Management, Virtualisation and Network Expert

Day/Time	Session	Topic	Resource Person
Day 23			
09:30am–11:30am	Session 5	Creating, viewing and editing text files	Server Management, Virtualisation and Network Expert
11:30am-11:45am	Refreshment		
11:45am-01:00pm	Session 6	Managing local Linux users and groups	Server Management, Virtualisation and Network Expert
01:00pm-02:00pm	Lunch		
02:00pm-03:00pm	Session 6	Managing local Linux users and groups Practical exercise and MCQ	Server Management, Virtualisation and Network Expert

Day/Time	Session	Topic	Resource Person
Day 24			
09:30am–11:30am	Session 7	Controlling access to files and folders with Linux file system	Server Management, Virtualisation and Network Expert
11:30am-11:45am	Refreshment		
11:45am-01:00pm	Session 8	Monitoring and managing Linux process	Server Management, Virtualisation and Network Expert
01:00pm–02:00pm	Lunch		
02:00pm-03:00pm	Session 8	Monitoring and managing Linux process Practical exercise and MCQ	Server Management, Virtualisation and Network Expert

Day/Time	Session	Topic	Resource Person
Day 25			
09:30am–11:30am	Session 9	Controlling devices and demons, network configuration	Server Management, Virtualisation and Network Expert
11:30am-11:45am	Refreshment		
11:45am-01:00pm	Session 10	Archiving and copying files between systems	Server Management, Virtualisation and Network Expert
01:00pm-02:00pm	Lunch		
02:00pm-03:00pm	Session 10	Practical exercise MCQ	Server Management, Virtualisation and Network Expert

Day/Time	Session	Topic	Resource Person
Day 26			
09:30am–11:30am	Session 11	IPV4 Addressing & Sub-netting	Server Management, Virtualisation and Network Expert
11:30am-11:45am	Refreshment		
11:45am-01:00pm	Session 12	Router Introduction, Routing Protocol Introduction	Server Management, Virtualisation and Network Expert
01:00pm-02:00pm	Lunch		
02:00pm-03:00pm	Session 12	Router Introduction, Routing Protocol Introduction MCQ	Server Management, Virtualisation and Network Expert

Day/Time	Session	Topic	Resource Person
Day 27			
09:30am–11:30am	Session 13	Static and Default Routing, ACL, NAT & PAT	Server Management, Virtualisation and Network Expert
11:30am-11:45am	Refreshment		
11:45am-01:00pm	Session 13	Switching Introduction, Virtual LANs (VLANs)	Server Management, Virtualisation and Network Expert
01:00pm-02:00pm	Lunch		
02:00pm-03:00pm	Session 14	Switching Introduction, Virtual LANs (VLANs) MCQ	Server Management, Virtualisation and Network Expert

Day/Time	Session	Topic	Resource Person
Day 28			
09:30am–11:30am	Session 15	Internet Protocol Version 6 (IPv6)	Server Management, Virtualisation and Network Expert
11:30am-11:45am	Refreshment		
11:45am-01:00pm	Session 16	Parliament Network Design (Vlans, MGMT IP, DATA IP, Real IP)	Server Management, Virtualisation and Network Expert
01:00pm-02:00pm	Lunch		
02:00pm-03:00pm	Session 16	Parliament Network Design (Vlans, MGMT IP, DATA IP, Real IP) MCQ	Server Management, Virtualisation and Network Expert

Day/Time	Session	Topic	Resource Person
Day 29			
09:30am–11:30am	Session 17	Introduction to the Software-Defined Data Centre	Server Management, Virtualisation and Network Expert
11:30am-11:45am	Refreshment		
11:45am-01:00pm	Session 18	Creating Virtual Machines	Server Management, Virtualisation and Network Expert
01:00pm-02:00pm	Lunch		
02:00pm-03:00pm	Session 18	Creating Virtual Machines MCQ	Server Management, Virtualisation and Network Expert

Day/Time	Session	Topic	Resource Person
Day 30			
09:30am–11:30am	Session 19	vCenter Server Architecture	Server Management, Virtualisation and Network Expert
11:30am-11:45am	Refreshment		
11:45am-01:00pm	Session 20	Deploying vCenter Server Appliance	Server Management, Virtualisation and Network Expert
01:00pm-02:00pm	Lunch		
02:00pm-03:00pm	Session 20	Deploying vCenter Server Appliance MCQ	Server Management, Virtualisation and Network Expert

Day/Time	Session	Topic	Resource Person
Day 31			
09:30am–11:30am	Session 21	Configuring and Managing Virtual Networks	Server Management, Virtualisation and Network Expert
11:30am-11:45am	Refreshment		
11:45am-01:00pm	Session 22	Storage Concepts-iSCSI Storage, NFS Datastores, VMFS Datastores	Server Management, Virtualisation and Network Expert
01:00pm-02:00pm	Lunch		
02:00pm-03:00pm	Session 22	Storage Concepts-iSCSI Storage, NFS Datastores, VMFS Datastores MCQ	Server Management, Virtualisation and Network Expert

Day/Time	Session	Topic	Resource Person
Day 32			
09:30am–11:30am	Session 23	Virtual SAN Datastores, Virtual Volumes	Server Management, Virtualisation and Network Expert
11:30am-11:45am	Refreshment		
11:45am-01:00pm	Session 24	Creating Templates and Clones, Modifying Virtual Machines	Server Management, Virtualisation and Network Expert
01:00pm-02:00pm	Lunch		
02:00pm-03:00pm	Session 24	Migrating Virtual Machines,Creating Virtual Machine Snapshots Practical exercise and MCQ	Server Management, Virtualisation and Network Expert

Day/Time	Session	Topic	Resource Person
Day 33			
09:30am–11:30am	Session 25	Resource Management and Monitoring in VMWare	Server Management, Virtualisation and Network Expert
11:30am-11:45am	Refreshment		
11:45am-01:00pm	Session 26	vSphere HA and vSphere Fault Tolerance, Host Scalability	Server Management, Virtualisation and Network Expert
01:00pm-02:00pm	Lunch		
02:00pm-03:00pm	Session 26	vSphere High Availability and vSphere Fault Tolerance, Host Scalability

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