Course Name	Advanced Linux Administrator
About the Course	Learn several advanced topics - from LVM, virtualization, monitoring, through automatic backups and mailservers, to Samba (e.g., PDC) and cataloguing services (LDAP) with replication
Key Skills You Will Learn	LVM, server virtualization (including detailed review of XEn, KVM and QEMU), system monitoring (tracking states and trends), backup solutions (including: network backup system Bacula - SSL, GUI; backing up a whole heterogeneous environment - UNIX, Windows), cataloguing services (LDAP), fat client systems with central authorization (LDAP, Kerberos) and network filesystems (NFS, CIFS), Samba as a domain controller (PDC), cooperating with LDAP and in Windows Server 2003/2008 environment, advanced mail server configuration, including modern anti-spam techniques and VPN (in particular IPsec and OpenVPN)
Course Pre-Requisite	You should have: at least intermediate familiarity with Linux system administration.
Target Audience	This course is intended for those who: want to increase their administrating knowledge and raise their job qualifications, are interested in some of the services discussed during the course, or just want to learn new useful, interesting and simply fun solutions that we describe during the course.
Job prospects with this role	Linux Administrator
Course Duration	50 Hours
Course Customisation	Not applivable
Certification	READYBELL Advanced Linux Administrator Certificate
Mode of Training	Instructor-led 100% Online or 100% Classroom (Salt Lake, Kolkata - India) or hybrid mode (Online + Classroom) as suitable for the learner
Course Fees	Please contact us
Refund Policy	Get a 3-hours free trial during which you can cancel at no penalty. After that, we don't give refunds
Job Assistance	Will assist candidate in securing a suitable job
Contact	**READYBELL SOFTWARE SERVICES PVT. LIMITED** **AH 12, SALT LAKE SECTOR 2, KOLKATA (INDIA) - 700 091** **E-MAIL: contact@readybellsoftware.com** **PH: +91 - 9147708045/9674552097, +91 - 33-79642872**	**ReadyBell** Software Services Pvt. Ltd.

CURRICULUM		
Topic	**Sub-Topic**	**Duration (Hrs)**
Advanced Linux Administrator	Module 1: Introduction to GNU/Linux	50 Hrs
	Introduction to Linux, Unix and FOSS	
	Architecture of a Linux system	
	Installing a Linux distribution: CentOS	
	Working in Bash shell	
	Linux file system hierarchy	
	Common Unix/Linux commands – Part 1	
	FOSS culture and etiquette	
	Module 2: GNU/Linux environment-I	
	Linux security model and privileges	
	Process management	
	Common Unix/Linux commands – Part 2	
	Vim advanced editor	
	Module 3: GNU/Linux environment-II	
	Linux boot process and system initialization	
	Managing services	
	Managing users and groups	
	Working with remote systems	
	Module 4: TCP/IP networking	
	TCP/IP networking with Linux	
	Managing File Systems	
	Firewall configuration	
	Vim and Bash – Part 2	
	Advanced Shell scripting with Bash	
	Module 5: Raid,LVM and Package Management	
	Package management in Linux	
	Troubleshooting	
	RAID and LVM	
	Module 6: Virtualization,Apache,NSF and other Services	
	Virtualization in Linux	
	Apache Web server – architecture, installation and configuration	
	Other services: SSH, SFTP, NTP	
	NFS File server – installation and configuration	
	Module 7: Proxy,DNS,SAMBA,Email and Spam Filtering	
	Squid Caching HTTP proxy server – installation and configuration	
	BIND DNS server – installation and configuration	
	Samba server – installation and configuration	
	Postfix Mail server – installation and configuration	
	Spam Filtering and Antivirus	

	Module 8: DevOps,Configuration Management and Linux Kernel	
	Introduction to DevOps culture	
	Introduction to Configuration Management with Puppet	
	Introduction to Linux kernel	
	Configuring and compiling the kernel	
To register for this course please e-mail/call us		