

Table 1

ITVitae	XK0-005	Summary	vs XK0-004	Sybex L+	LPIC 1	RHCSA
1	0.1	Setting up your workspace		1	-	-
1	0.2	Introduction to Linux		2	-	-
1	0.3	Logging in, shell commands, man-pages		1	110.3	yes
2	1.2	File editing		3	103.8	yes
2	1.2	File metadata		3	104.5	yes
2	1.2	Soft and hard links		3	104.6	yes
2	1.2	File and directory operations		3	103.1,2,3	yes
2	1.2	Copying between systems		12	110.3	yes
2	2.2	Account creation and deletion		10	107.1	yes
2	2.4	SSH (in-depth)	Update!!	16	110.3	yes
3	2.2	Account management		10	107.1	yes
3	2.5	File permissions		15	104.5	yes
3	3.1	Common script utilities		4	103.1,2,3	yes
3	3.3	Git operations	NEW	27	-	-
3	3.4	Advanced Git topics	NEW	27	-	-
4	3.1	Common script utilities		4	103.1,2,3	yes
4	3.1	Shell script elements		25	103.4	yes
4	3.1	Environment variables		25	105.1	yes
4	3.1	Relative and absolute paths		25	103.1,2,3	yes
5	3.1	Shell script elements		25	103.x,104.7,105.1	yes
5	3.1	Common script utilities		25	103.1,2,3	yes
5	3.1	Environment variables		25	105.1	yes
5	3.1	Relative and absolute paths		25	103.1,2,3	yes
6	1.4	System services		6	101.2,3	yes
6	1.5	Interface management		7	109.1	yes
6	1.5	Name resolution		7	109.2,4	yes
6	1.7	Configure common system services		6	108.1	yes
7	1.1	Basic boot process		5	101.2,3	yes
7	1.1	Kernel panic		5	101.2,3	yes
7	1.7	Configure kernel options		14	102.2	yes
8	x	Virtualization technologies	Removed	28,29,30	102.6	-
8	3.2	Container management	NEW	28	-	yes
8	3.2	Container image operations	NEW	28	-	yes
8	3.4	File formats	NEW	28	-	yes
8	3.4	Continuous integration / continuous deployment	NEW	30	-	-
8	3.5	Bootstrapping	NEW	28,29,30	-	-
9	1.1	File System Hierarchy		11	104.1	yes
9	1.1	Storage concepts		11	102.1	yes
9	1.3	Disk partitioning		11	102.1,104.1	yes
9	1.3	Mounting local and remote devices		11	104.3	yes
9	1.3	File system management		11	102.1,104.1	yes
9	1.3	Storage hardware		11	101.1	yes
9	2.1	Managing PKI certificates	NEW	16	-	-
9	2.1	Certificate use cases	NEW	16	-	-
10	1.3	SAN and NAS	Update	11	-	-
10	1.3	Creating and modifying volumes with LVM		11	-	yes
10	1.3	Inspecting RAID implementations		11	-	-
11	1.1	Device types in /dev		23	101.1	-
11	1.1	Listing hardware information		23	101.1	-

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11	1.2	File compression, archiving and backup		12	103.2	yes
11	1.4	Process management		21	103.5,6	yes
11	1.4	Scheduling services		26	107.2	yes
12	0.4	Logging services	Removed	17	108.2	yes
12	1.1	Basic package compilation from source		13	-	-
12	1.6	Package management		13	102.4,5	yes
12	1.6	System updates		13	102.4,5	yes
12	1.6	Sandboxed applications	NEW	13	-	-
12	1.7	Localization		9	107.3,108.1	TZ only
12	4.5	Given a scenario, use systemd to diagnose and resolve common problems with a Linux system.	NEW	6	multi	yes
13	2.2	Account management		10,16	110.1	yes
13	2.4	Executing commands as another user		15,22	110.1	yes
13	2.5	Security-enhanced Linux (SELinux)		15	-	yes
13	2.5	AppArmor		15	-	-
14	2.1	Authentication	NEW	16,19	110.2	-
14	2.1	Linux hardening		10,16	110.2	-
14	2.3	Firewall use cases		18	-	yes
14	2.3	Common firewall technologies		18	-	yes
14	2.3	Key firewall features	NEW	18	-	yes
15	1.3	Monitoring storage space and disk usage	NEW	11	104.2	yes
15	1.5	Network monitoring	NEW	7,20	109.3	yes
15	4.1	Given a scenario, analyze and troubleshoot storage issues.		20,24	101.1,104.2	yes
15	4.2	Given a scenario, analyze and troubleshoot network resource issues.		7,20	109.3	yes
15	4.3	Given a scenario, analyze and troubleshoot central processing unit (CPU) and memory issues.		7,20,21,24	103.5,6	yes
16	4.4	Given a scenario, analyze and troubleshoot user access and file permissions.		22	104.5	yes
16	4.5	Given a scenario, use systemd to diagnose and resolve common problems with a Linux system.	NEW	6	multi	yes
17	3.4	Utilities	NEW	29	-	yes
17	3.5	Kubernetes benefits and application use cases	NEW	28,29,30	-	-
17	3.5	Single-node, multicontainer use cases	NEW	28,29,30	-	-
17	3.5	Container persistent storage	NEW	28,29,30	-	yes
17	3.5	Container networks	NEW	28,29,30	-	yes
17	3.5	Service mesh	NEW	28,29,30	-	yes
17	3.5	Container registries	NEW	28,29,30	-	yes
-	x	Graphical environments	Removed	8	106.1,2	-
Multi	1.5	Remote networking tools		7	multi	yes
Multi	1.7	Updating configuration files		-	multi	yes
Multi	2.5	Command-line utilities		15	multi	yes
-	-	Manage shared libraries through ldd		-	102.3	-
-	-	MTA basics		-	108.3	-
-	-	Manage printers		-	108.4	-
-	-	Using GPG		-	110.3	-