

LabSim Courseware Mapping For

TestOut Linux Pro - English 5.0.x



Objectives for CompTIA Linux+ Exams XK0-004	TestOut Linux Pro	CompTIA Linux+ Guide to Linux Certification, 5th Edition
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	Sections	Chapters
1.0 Hardware and System Configuration		
1.1 Explain Linux boot process concepts.	4.1, 4.2	2, 6, 8
1.2 Given a scenario, install, configure, and monitor kernel modules.	9.1, 9.2, 11.1	6
1.3 Given a scenario, configure and verify network connection parameters.	12.2, 12.4, 12.5, 12.7, 15.4	12, 13, 14
1.4 Given a scenario, manage storage in a Linux environment.	3.1, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7	2, 3, 5, 6, 13, 14
1.5 Compare and contrast cloud and virtualization concepts and technologies.	12.1, 13.1, 13.2, 13.3	6, 13
1.6 Given a scenario, configure localization options.	3.3, 10.5	8
2.0 Systems Operation and Maintenance		
2.1 Given a scenario, conduct software installations, configurations, updates, and removals.	6.1, 6.2, 6.3, 6.4, 8.12, 15.4, 15.5	11
2.2 Given a scenario, manage users and groups.	2.4, 2.5, 2.6 7.1, 7.2, 7.3, 8.7, 15.2, 15.3	2, 5, 7, 10
2.3 Given a scenario, create, modify, and redirect files.	2.3, 2.7, 2.8, 2.9, 2.10, 2.12, 2.13, 8.8, 8.11, 15.2, 15.6	3, 4, 7, 11, 12
2.4 Given a scenario, manage services.	4.3, 4.4, 10.3, 15.4	8, 12
2.5 Summarize and explain server roles.	1.1, 10.5, 12.5, 15.6	1, 12
2.6 Given a scenario, automate and schedule jobs.	10.2, 10.3, 15.2, 15.3	9
2.7 Explain the use and operation of Linux devices.	9.1, 9.3, 10.4, 11.2	6, 8, 9, 10, 14
2.8 Compare and contrast Linux graphical user interfaces.	5.1, 5.2, 5.3, 5.4, 15.7	8, 12
3.0 Security		
3.1 Given a scenario, apply or acquire the appropriate user and/or group permissions and ownership.	8.8, 8.9, 8.10, 8.11, 15.1, 15.2, 15.8, 15.9	2, 4, 10, 14
3.2 Given a scenario, configure and implement appropriate access and authentication methods.	15.2, 15.3, 15.5, 15.6, 15.10, 15.11	12, 14
3.3 Summarize security best practices in a Linux environment.	10.3, 15.2, 15.12	12, 13, 14
3.4 Given a scenario, implement logging services.	11.1	10
3.5 Given a scenario, implement and configure Linux firewalls.	12.6, 15.4	12, 13, 14
3.6 Given a scenario, backup, restore, and compress files.	8.12, 15.6, 15.10	6, 11, 12, 13
4.0 Linux Troubleshooting and Diagnostics		
4.1 Given a scenario, analyze system properties and remediate accordingly.	8.1, 8.4, 8.6, 9.1, 11.2, 12.4, 12.5, 12.7, 15.4	5, 12, 14
4.2 Given a scenario, analyze system processes in order to optimize performance.	8.6, 10.1, 10.2, 11.2, 15.3	9
4.3 Given a scenario, analyze and troubleshoot user issues.	8.7, 8.9, 8.10, 8.11	4, 5, 14
4.4 Given a scenario, analyze and troubleshoot application and hardware issues.	7.1, 8.5, 8.8, 8.9, 12.1, 15.4, 15.8	6, 11, 14
5.0 Automation and Scripting		
5.1 Given a scenario, deploy and execute basic BASH scripts.	2.5, 2.7, 8.11, 14.1, 14.2, 14.3	3, 7
5.2 Given a scenario, carry out version control using Git.	14.4	7
5.3 Summarize orchestration processes and concepts.	14.5	12, 13