Ubuntu Troubleshooting Lab Emulator: learn to solve real Linux failures step by step

Weisewelt Ubuntu Troubleshooting Lab

Learn how to diagnose and solve real Linux Ubuntu failures

An interactive emulator to practice troubleshooting across storage, networking, processes, services, resources, applications, nodes and system logs, with step-by-step visual guidance.

Interactive emulator

Free mode · All categories · Guided challenges

● Safe simulation

What will you learn in this lab?

This lab is designed to practice real Linux administration scenarios without affecting production servers. Each challenge shows the problem, useful commands, output interpretation and the technical reasoning needed to reach a clear solution.

Storage diagnosis

Identify full disks, saturated partitions, unexpected usage and common symptoms in critical directories such as **/var**, **/tmp** and logs.

Network troubleshooting

Practice connectivity analysis, routing, DNS, interfaces, network configuration and internal or external communication validation.

Services and applications

Learn how to review service states, failed restarts, ports in use, application errors and log-based validation.

Processes and resources

Understand CPU usage, memory pressure, blocked processes, system load and signs of operational saturation.

Benefits for students, administrators and technical teams

Visual learning

The canvas helps explain what is happening inside the system during each diagnosis.

Safe practice

Train without running destructive commands or modifying real servers.

Real-world cases

Challenges are based on common operations, support, DevOps and Linux administration scenarios.

Step-by-step reasoning

Each solution explains how to interpret symptoms, validate hypotheses and confirm results.

Train real Linux support skills

Ideal for professional preparation, internal training, technical courses, DevOps labs, system administration practice and self-paced learning on Linux Ubuntu.