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Course Code: LX071G

Course Title: Power Systems Running Linux: Server Administration

## Description:

This course introduces basic administrative tasks associated with Linux Servers hosted on Power Systems servers. This includes installation, command line operations, system administration, device management, IBM tools, and system recovery.

## Objectives:

After completing this course, you should be able to:

- Recognize different execution environments that a Linux server runs on within a POWER8 processor - based server
- Install Linux Server on a POWER8 processor - based server
- Manage Linux Server within a POWER8 processor - based server environment using standard tools
- Install and use IBM Service and Productivity tools
- Customize the configuration of the boot loader
- Use recovery mode to rescue a failed Linux instance

## Prerequisites:

Students attending this course should have a basic background in systems administration and/or troubleshooting. No previous course work is required.

## Duration:

24 Hrs

## Topics:

**Day 1** Unit 1 - Installing Linux on Power systems  
Exercise 1 - Linux installation  
Unit 2 - System management tools  
Exercise 2 - System management tasks  
**Day 2** Exercise 2 - System management tasks (continued)  
Unit 3 - Power Systems device operations and rescue mode  
Exercise 3 - Manage Power systems devices and rescue operations  
Unit 4 - Linux systemd  
**Day 3** Unit 4 - Linux systemd (continued)  
Exercise 4 - System administration  
Unit 5 - Service and productivity tools  
Exercise 4 - Linux on Power service productivity tools

## Audience:

System administrators that have experience with either Linux or Power Systems, but not both. This course provides the bridge for those skill sets to be brought together.