Take Control, Shift your career into Tech

IT Manager in 108 Days

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Is This Program Right for You?

Why Choose CtrlShift's IT Manager Program?

Perfect for Beginners and Career-Changers

Our course is beginner-friendly, with modules starting from the basics of IT. Whether you're a graduate or changing careers, we provide the support and guidance needed to succeed in IT, even if you're new to the field.

Fast-Track to IT Mastery in Just 108 Days

Our program is designed to take you from a beginner to an IT Manager in just 108 days. With a clear, structured path, you'll learn the technical and managerial skills needed to confidently step into IT.

Industry-Recognized Certifications Preparation

We prepare you for leading IT certifications to boost your credibility in the industry.

Hands-On Learning with Real-World Projects

Gain direct, hands-on experience through capstone projects where you'll set up IT infrastructure, configure networks, and design secure systems.

All-in-One Training for IT & Management Skills

Our unique curriculum covers IT infrastructure, cloud, cybersecurity, and storage management, as well as critical skills in communication, team management, and project leadership—giving you a well-rounded foundation to excel as an IT Manager

Job-Ready Skills with Career Support

We go beyond training, offering mock interviews, resume workshops, and career guidance to help you secure your dream job.

Job-Ready Skills with Career Support

Our instructors bring decades of real-world experience and are dedicated to your success. Plus, you'll have access to personalized mentorship to keep you on track.

Enroll in the IT Manager Program and start your journey today

200+ Hours of Learning
50+ Labs to Practice
5+ Real World Projects
50+ Assignments to Practice

Course Description

The course will prepare starting with just the basics of computers, we'll guide you every step of the way, helping you master the essentials of IT Infrastructure, Security, Service Management, and Leadership. This program is a unique, all-encompassing course crafted to turn beginners into fully capable IT Managers.

The course is divided into ten phases.

Here's a more detailed, module-based breakdown for each phase of the T Manager in 108 Days program. Each phase now includes multiple modules with additional topics to provide a thorough and progressive learning experience

Phase 1
Foundational Knowledge of IT Infrastructure and Operating Systems

Build a strong foundation in essential IT concepts and skills, preparing learners for more specialized areas such as Windows, Linux, networking, and more.

Course content summary

Explore the core components of IT infrastructure and understand the IT ecosystem.

Curriculum Overview

Module 1.1: Introduction to IT Infrastructure

- Overview of key infrastructure components: servers, networks, and storage
- Understanding the role of an IT Manager in overseeing and managing these components

Module 1.2: Operating Systems Basics

- Introduction to operating systems (Windows and Linux) and their roles in IT
- Navigating the command line, basic file operations, and interface comparison (GUI vs. CLI)

Module 1.3: Networking Essentials

- Core networking concepts: IP addresses, subnets, and common protocols
- Introduction to LAN, WAN, and the Internet
- Basics of network security and its significance in IT management

Module 1.4: Introduction to Virtualization and Cloud Computing

- Overview of virtualization and cloud computing fundamentals
- Benefits of virtualization and cloud solutions in modern IT environments

Module 1.5: File Systems and Storage Fundamentals

- Understanding file systems, partitions, and various storage options
- Basics of data storage and retrieval, including differences between local and network storage

Phase 2
Windows Server Administration

The Windows System Administration phase introduces the core concepts of managing a Windows server environment. This course provides foundational skills in Active Directory, roles, and security policies—preparing learners for real-world IT management.

Course content summary

- Set up and manage Active Directory for user and group management.
- Configure server roles like DHCP and DNS.
- Implement security policies to secure the Windows environment.

Curriculum Overview

Module 2.1: Windows Fundamentals

Introduction to various Windows Server editions and their roles.
Navigating the Windows interface and basics of command-line operations.

Module 2.2: Active Directory Essentials

Setting up and configuring Active Directory for a secure environment.
Managing users, groups, and organizational units (OUs) effectively.
Introduction to Group Policies and applying basic security policies.

Module 2.3: Server Roles and Features

Configuring essential roles like DHCP and DNS.
Implementing File and Print Services for resource sharing.
Managing shared resources with appropriate permissions.

Module 2.4: Security Policies and Auditing

Configuring audit policies and system logging for security monitoring.
Setting up access control and permissions to safeguard resources.
Fundamentals of securing Active Directory and managing user access.

Phase 3
Linux System Administration

Red Hat System Administration is crafted for IT pros new to the Linux universe. It dives straight into essential Linux administration skills, focusing on the core tasks every sysadmin needs. By mastering key command-line magic and powerful enterprise tools. This will prepare for RHCSA certification.

Course content summary

• Dive into the world of Linux and explore the Red Hat Enterprise Linux ecosystem.
• Master command-line sorcery and navigate through the shell environments like a pro.
• Take control by managing, organizing, and securing files with precision.
• • Command the system's heart by controlling and monitoring systemd services.

Curriculum Overview

Module 3.1: Linux Basics

Overview of Linux distributions and introduction to the command-line interface.
Navigating and managing the Linux file system.
Understanding file permissions, and managing users and groups.

Module 3.2: System Administration Essentials

Managing and monitoring processes using tools like ps, top, and kill.
Handling system services and managing daemons.
Using YUM and DNF for package installation and management.

Module 3.3: Network Configuration and Security

Configuring network interfaces and setting up firewalls with iptables and firewalld.
Introduction to SELinux and managing security contexts.
Troubleshooting network connections and resolving service issues.

Module 3.4: RHCSA Preparation - Advanced Topics

Advanced shell scripting techniques and automation practices.
Managing logical volumes and disk partitioning for optimized storage.
Configuring and managing network file systems like NFS and Samba.
Techniques for system troubleshooting and recovery.

Phase 4
Network Administration

The Networking phase prepares students for the Cisco's networking infrastructure by covering foundational and advanced networking concepts. This phase equips future IT managers with essential networking skills, including IP addressing, routing, switching, and network security. Students will learn how to configure, troubleshoot, and secure network infrastructure, which is critical for managing modern IT environments.

Course content summary

• Understand the OSI and TCP/IP models and how they structure network communication.
• Master IP addressing, subnetting, and VLAN configuration for efficient network segmentation.

Curriculum Overview

Module 4.1: Networking Fundamentals

Deep dive into the OSI and TCP/IP models and their role in network communication.
IP addressing and subnetting basics, including VLAN setup.
Overview of key network protocols such as ARP, ICMP, and DHCP.

Module 4.2: Routing and Switching

Configuring routers and switches for effective network segmentation.
Introduction to static and dynamic routing protocols, including RIP and OSPF.
Setting up inter-VLAN routing and trunking for seamless data flow across network segments.

Module 4.3: Network Security Basics

Implementing access control lists (ACLs) for network traffic management.
Setting up and managing firewall rules for enhanced security.
Introduction to VPNs and secure remote access techniques for secure connectivity.

Module 4.4: CCNA Exam Preparation

Practical exercises focusing on network protocol configuration and troubleshooting.
Comprehensive review of essential CCNA exam topics and practice questions.

Phase 5
Storage Administration

The Storage Management phase introduces essential storage technologies and practices, focusing on data storage, backup, and recovery. This phase equips learners with a comprehensive understanding of storage types, network file systems, and disaster recovery strategies. These skills are crucial for IT managers responsible for data integrity and system availability

Course content summary

Explore the types of storage systems, including DAS, SAN, and NAS.
Configure and manage shared storage solutions using NFS and CIFS.
Develop and implement backup and data recovery strategies to protect critical data.

Curriculum Overview

Module 5.1: Introduction to Storage Technologies

Overview of various storage types: Direct Attached Storage (DAS), Storage Area Network (SAN), and Network Attached Storage (NAS).
Basic storage concepts, including RAID configurations, file systems, and storage tiers.

Module 5.2: Network File Systems

Configuring NFS (Network File System) and CIFS (Common Internet File System) for efficient file sharing.
Managing shared storage across multiple platforms to streamline data access.
Setting up user permissions and access control on shared storage for security.

Module 5.3: Backup and Data Recovery

Introduction to backup methodologies and effective storage strategies for data protection.
Writing backup and restore scripts to facilitate disaster recovery.
Testing and verifying backup integrity to ensure data is recoverable.

Curriculum Overview

Phase 6

Database Administration

The Database Management phase focuses on core database administration, with an emphasis on relational databases and PostgreSQL. Learners will gain foundational skills in database architecture, schema design, and SQL, enabling them to manage data effectively within enterprise environments.

Course content summary

Understand relational database concepts and SQL basics.
Gain hands-on experience in PostgreSQL setup, administration, and user management.
Learn advanced SQL techniques for optimized query performance and data retrieval.

Curriculum Overview

Module 6.1: Database Essentials

Introduction to RDBMS (Relational Database Management System) principles and SQL basics.
Designing database architecture and creating efficient schema structures.

Module 6.2: PostgreSQL Administration

Installing and configuring PostgreSQL for production use.
Creating and managing databases, tables, and relationships.
Setting up access controls and permissions for secure data handling.

Module 6.3: Advanced SQL Queries and Optimization

Crafting complex SQL queries, joins, and subqueries for data analysis.
Utilizing indexing and optimization techniques for improved query performance.
Implementing database backup, restoration, and recovery practices.

Phase 7
Virtualization Technologies

The Virtualization Technologies phase introduces learners to virtualization concepts, hypervisors, and management of virtual environments, including VMware and Nutanix HCI. This phase provides hands-on experience in configuring virtual machines, networks, and storage, preparing learners to manage modern, virtualized IT infrastructure.

Course content summary

Learn virtualization fundamentals and set up virtual machines.
Manage resources, networking, and snapshots in VMware environments.
Explore hyperconverged infrastructure with Nutanix HCI for scalable virtual environments.

Curriculum Overview

Module 7.1: Virtualization Basics

Overview of virtualization concepts and the role of hypervisors.
Installing and setting up VMware to create virtualized environments.

Module 7.2: Virtual Machine Configuration and Management

Configuring virtual machine resources (CPU, memory, storage) for optimized performance.
Managing virtual networks and switches for effective data flow.
Creating and restoring snapshots and backups in VMware.

Module 7.3: Nutanix HCI Overview

Understanding hyperconverged infrastructure with Nutanix and its benefits.
Deploying and managing virtual environments on Nutanix HCI.
Configuring virtual networking and storage within the Nutanix ecosystem.

Phase 8
Security Essentials

The Security Essentials phase covers critical aspects of cybersecurity, including firewall configuration, intrusion detection, and incident response. Learners will acquire the knowledge to secure IT environments, ensuring data protection and compliance with industry standards.

Course content summary

Explore core cybersecurity principles, compliance, and data protection.
Configure firewalls, antivirus, and intrusion detection systems.
Develop skills in data encryption, access control, and incident recovery.

Curriculum Overview

Module 8.1: Introduction to Cybersecurity

Overview of cybersecurity concepts and understanding threat landscapes.
Basics of data protection regulations and compliance requirements.

Module 8.2: Configuring Firewalls and Intrusion Detection Systems

Setting up firewall rules and configuring intrusion detection systems (IDS).
Installing and managing antivirus software and security policies.

Module 8.3: Data Encryption and Access Control

Implementing data encryption practices for secure storage.
Configuring Access Control Lists (ACLs) and setting up user permissions.
Establishing security policies to manage user access securely.

Module 8.4: Incident Response and Recovery

Creating an effective incident response plan to handle security breaches.
Steps for data recovery and business continuity planning after an incident.

Phase 9
Capstone Projects

In the Capstone Projects phase, learners apply their acquired skills in real-world scenarios through hands-on projects. These capstone projects are designed to reinforce core competencies, covering IT infrastructure setup and network architecture design, essential for aspiring IT managers.

Course content summary

Set up and manage a comprehensive IT infrastructure for a simulated company.
Design and implement a secure network architecture with disaster recovery measures.

Curriculum Overview

Module 9.1: IT Infrastructure Setup

Project 1: Configure and manage an IT infrastructure from scratch.
Includes OS setup, network configuration, storage management, and implementing security policies.

Module 9.2: Network Architecture Design

Project 2: Design a complete network architecture for a simulated organization.
Develop plans for security, backup, and disaster recovery to ensure network resilience.

This phase offers hands-on experience, preparing learners for practical challenges in IT infrastructure management.

Phase 10
Soft Skills Development

The Soft Skills Development phase focuses on essential interpersonal and leadership skills for IT managers. This phase empowers learners with effective communication techniques and team management strategies, which are crucial for leading IT teams and working with stakeholders.

Course content summary

Develop verbal and written communication skills tailored for IT professionals.
Learn to conduct effective meetings and deliver presentations with confidence.
Gain leadership techniques for managing IT teams, including conflict resolution and performance management

Curriculum Overview

Module 10.1: Communication Skills for IT Managers

Mastering verbal and written communication skills essential for IT settings.
Techniques for conducting impactful meetings and engaging presentations.

Module 10.2: Team Management and Leadership

Approaches to leading, motivating, and managing IT teams effectively.
Strategies for conflict resolution and handling performance management.

Module 10.3: Learning Methodology

How to learn learning
Ultrafast learning concept
Memory and mindmapping

Bonus Session
IT Service Management & ITIL

The Bonus Session covers critical topics in IT Service Management (ITIL) and Project Management, providing learners with additional skills that enhance their ability to lead IT projects and manage services efficiently.

Course content summary

Introduction to ITIL principles for managing IT services effectively.
Basics of project management, including resource allocation and tracking, to ensure project success in IT environments.

Curriculum Overview

Module : IT Service Management & ITIL

Overview of ITIL concepts, focusing on service management and improvement.
Key ITIL practices, including incident and change management.

Module : Project Management Fundamentals

Basics of project planning, resource management, and progress tracking.
Introduction to essential project management tools and techniques for IT professionals.

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