

# IPAM (CISCO PRIME INTERNET PROTOCOL ADDRESS MANAGEMENT) 8.1.

## Objetivo

The Cisco® IP Address Management Version 8.1.2 instructor-led course offered by Cisco High-Touch Delivery Learning Services provides you with the advanced knowledge and skill sets required to successfully deploy, maintain, and troubleshoot Cisco IP address management (IPAM) in a typical network environment. You will learn the fundamental concepts on which the Cisco IPAM software is based to understand how to solve problems relating to installation, configuration, and troubleshooting. You will learn how to use centralized Dynamic Host Configuration Protocol (DHCP) and Domain Name System (DNS) configuration management and automated IP address discovery and utilization reporting. In addition, you will use a system command line interface (CLI) to monitor servers and other functions of the software. You will learn IPAM fundamentals and the details of the software that provides tools to manage the address space of an organization. This course combines lecture materials and hands-on labs throughout to make sure you are able to successfully deploy, configure, maintain, and troubleshoot Cisco IPAM in your network. After you complete this course, you should be able to:

- Describe the architecture and function of Cisco IPAM software
- Describe address management fundamentals
- Describe how discovery populates the address management database
- Describe how the IPAM software can deploy DNS and DHCP

## Público Alvo

- System engineers
- Technical-support personnel
- Channel partners and resellers

## Pré-Requisitos

- Basic knowledge of the Internet and IP

## Carga Horária

24 horas (3 dias).

## Conteúdo Programático

- Module 1: Architecture of Cisco IPAM Software
- Module 2: Cisco IPAM Installation and Operation
- Module 3: Address Management Fundamentals
- Module 4: Cisco IPAM Discovery
- Module 5: Cisco IPAM Utilization
- Module 6: Cisco IPAM DNS
- Module 7: Cisco IPAM DHCP
- Module 8: Administrators and Audit Reporting

- Module 9: CLI, User-Defined Fields, and Troubleshooting
- Lab 1: Installing Cisco Prime® Network Registrar IPAM on UNIX
- Lab 2: Cisco IPAM Container and Block Management
- Lab 3: Cisco IPAM Discovery
- Lab 4: Cisco IPAM DNS
- Lab 5: Cisco IPAM DHCP