



# Windows On WAAS

**Length**  
1 day

**Format**  
Lecture/lab

**Track**  
Design &  
Deploy

**Version**  
4.1.3

## Course Description

The Cisco WAAS WAN optimization solution includes an embedded virtualization component that enables WAAS to host Windows Server 2008 services on the WAAS platform, alongside existing WAN optimization services.

Windows on WAAS represents the next generation of server consolidation solutions that retains the local presence of Windows Server 2008 services while providing optimized performance for centralized applications and services.

This course covers the use of WAAS Virtual Blades for Windows server infrastructure at the branch. You will learn about the WAAS Virtual Blade architecture, configure and manage Virtual Blades in the lab, and deploy Windows Server infrastructure services on the WAE platform.

## Who Should Attend

This course is designed for both pre-sales and post-sales systems engineers, as well as server and network IT managers.

## Recommended Prerequisites

You will gain the most from this course if you have fundamental knowledge of data networking and Microsoft Windows networking technologies.

**Note:** Completion of basic WAAS technical training on WAN optimization and CIFS optimization is highly recommended, but not required if your primary role is to manage the Windows Server installation.

# WoW

## Learning Objectives

After you complete this course, you will be able to:

- Describe the WAAS Virtual Blade architecture
- Configure and manage WAAS Virtual Blades
- Describe the architecture of Windows Active Directory Services
- Explain how clients use AD to locate authentication services
- Use group policies to simplify administration
- Configure Windows 2008 Core Server roles and services on a WAAS Virtual Blade
- Configure Windows network printing
- Configure DHCP services



Learning  
Solutions



# Windows On WAAS

## Course Outline

### **Module 1: Windows on WAAS Virtual Blades**

#### **Lesson 1: WAAS Virtual Blades**

Architecture  
Platform Support  
Design and Capacity Sizing

#### **Lesson 2: Configuring WAAS Virtual Blades**

Creating WAAS Virtual Blades  
Removing WAAS Virtual Blades  
Virtual Blade Portability

#### **Lab: Windows on WAAS Basic Setup**

#### **Lab: Virtual Blade Move/Copy Operations**

### **Module 2: Windows Server Infrastructure Services**

#### **Lesson 1: Active Directory Services**

Active Directory Overview  
Forests and Domains  
Objects, Organizational Units, Containers and the AD schema  
LDAP  
Kerberos

#### **Lesson 2: Domain Controllers**

Domain Controller Overview  
FMSO  
The Multimaster Model  
Read Only Domain Controller  
Global Catalog Server

#### **Lesson 3: Active Directory Sites and Services**

Trusts Between Domains  
Workstation Login  
Authentication Over The WAN  
Active Directory DNS Integration  
DNS Tuning for Site Selection  
Windows Server 2008 Changes in Functionality

#### **Lesson 4: Group Policy**

Group Policy Overview  
DFS Integration  
Best Practices

#### **Lesson 5: Windows Network Printing**

Windows Network Printing Overview  
Active Directory Integration  
Native WAAS Print Capabilities  
Windows Server 2008 Changes in Functionality

#### **Lesson 6: DHCP for Windows Server**

DHCP Overview  
Active Directory Integration  
Windows Server 2008 Changes in Functionality

#### **Lab: Install and Configure Windows 2008 Core Server Roles and Services**



Learning Solutions