



Okta Education Services

## WHO SHOULD ATTEND

- IaaS Administrator
- Cloud Systems Admin
- MSP Administrator
- DevSecOps Admin
- Infrastructure Security Admin

## PREREQUISITES

- Completed Okta Essentials or experience configuring Okta applications, directories, and MFA policies
- Experience with SSH and RDP protocols and SCP, PuTTY, and RDP tools
- Experience managing Linux and Windows servers, including user and group management and networking
- Linux or Windows certification a plus

## FORMAT

- Instructor-led with hands-on labs
- Duration: 2 days
- Delivered through public class schedule or as a private event

## SETUP REQUIREMENTS

- Students use their own computers.
- Okta provides access to an Okta tenant + virtual machines to complete the labs.

Questions? Contact  
[training@okta.com](mailto:training@okta.com)

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[okta.com/training](https://okta.com/training)

# Implement Advanced Server Access (ASA)

Extend Okta to your infrastructure with Advanced Server Access. Learn how ASA secures administrator access for Linux and Windows servers. You can replace server account passwords and static keys with an identity centered solution that leverages MFA, ephemeral certificates, and seamless client tool integration to provide you with the most secure and reliable architecture possible.

In this course, you will get hands-on practice using an Okta org to configure identity first, zero-trust access management for your cloud and on-premise infrastructure.

## LEARN HOW TO:

- Describe the architecture of ASA.
- Identify components of ASA.
- Create a new ASA team and projects.
- Leverage Gateways for SSH session capture.
- Configure server agents and enrollment.
- Integrate ASA with client tools.
- Configure client enrollment.
- Create access policies and entitlements.
- Use the API to access reporting data.
- Deploy Cloud servers with automatic enrollment.
- Monitor and troubleshoot ASA.

# Implement Advanced Server Access

**okta**

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## COURSE OUTLINE

### 1: Introduction TO ASA

- Define the concepts behind Advanced Server Access.
- Describe ASA components.
- Understand how Okta Identity Cloud is leveraged for server access.

### 2: ASA Architecture

- Understand ASA architecture.
- Describe bastions and gateways.
- Understand server and client agents.
- Describe networking requirements.

### 3: Team Configuration

- Create a Team (ASA tenant).
- Integrate with Okta Org for SAML SSO and provisioning.

### 4: Provisioning

- Understand SCIM provisioning.
- Configure provisioning to Linux and Windows servers.
- Understand team roles.
- Customize user attributes.

### 5: Server Enrollment

- Install ASA agents.
- Configure enrollment tokens.
- Understand agent configuration options.
- Configure a gateway.

### 6: Policies

- Configure access policies.
- Create a sudo entitlement.
- Describe the client approval process.
- Configure client preauthorizations.

### 7: Clients

- Describe client enrollment.
- Install the client agent on Windows and Linux.
- Use the command line interface.
- Connect to Linux and Windows servers with various tools.

### 8: API

- Configure an API service account.
- Describe several API endpoints.
- Set up Postman with the ASA collection.

### 9: Cloud Servers

- Understand cloud accounts.
- Deploy and enroll an AWS server with Terraform and user data.

### 10: Monitoring and Troubleshooting

- Understand event logging.
- Access SSH session logs.
- Understand how to configure log forwarding.
- Describe how to resolve common authentication and authorization issues.

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## ABOUT OKTA

Okta is the foundation for secure connections between people and technology. By harnessing the power of the cloud, Okta allows people to access applications on any device at any time, while still enforcing strong security protections. It integrates directly with an organization's existing directories and identity systems, as well as 4,000+ applications. Because Okta runs on an integrated platform, organizations can implement the service quickly at large scale and low total cost.

More than 2,000 customers, including Adobe, Allergan, Chiquita, LinkedIn, MGM Resorts International, and Western Union, trust Okta to help their organizations work faster, boost revenue, and stay secure.

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