

Identity Awareness

Module 8: Identity Awareness

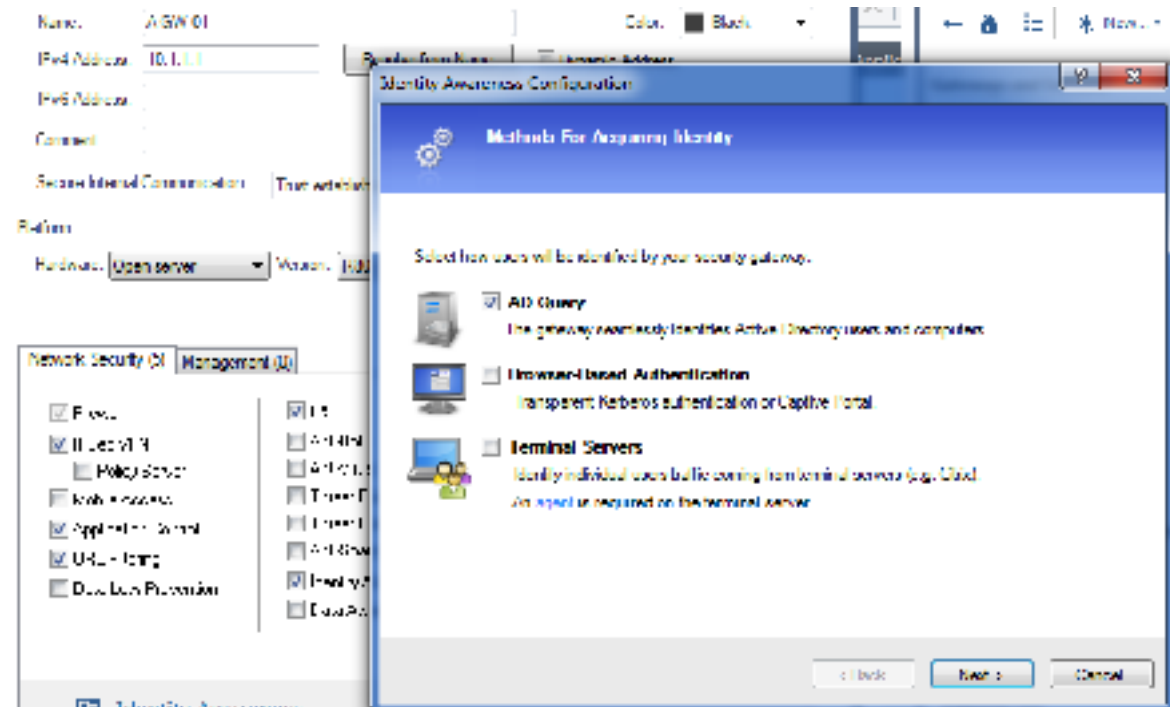
Instructor: Kim Winfield

Objectives

- Configure Identity Awareness to provide user access to network resources
- Enable Captive Portal to identify users
- Use Identity Awareness and Captive Portal with a Security Policy

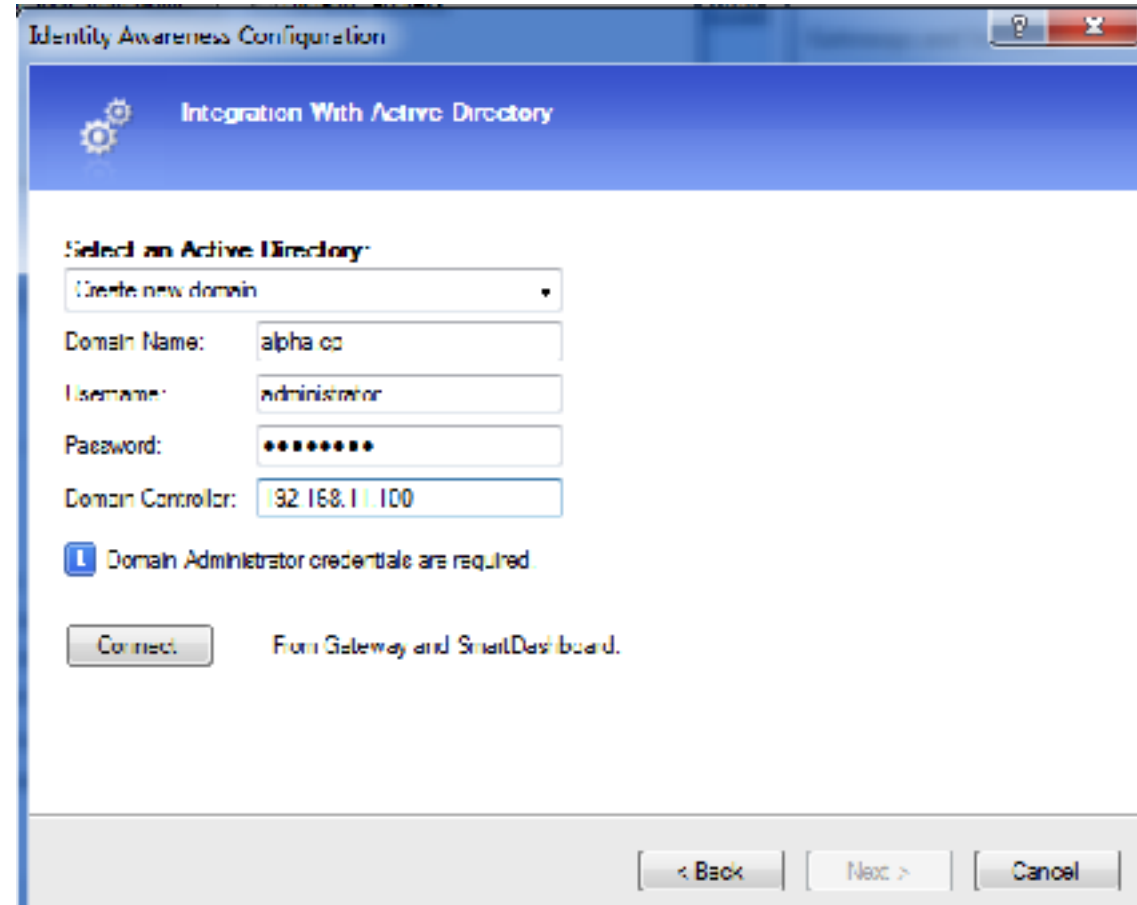
Identity Awareness

- Enabling Identity Awareness
- Gateway Side Configuration
 - Identity Awareness Wizard
 - AD Query
 - Browser Based Authentication
 - Captive Portal
 - Terminal Servers



Identity Awareness

- Defining the AD Server

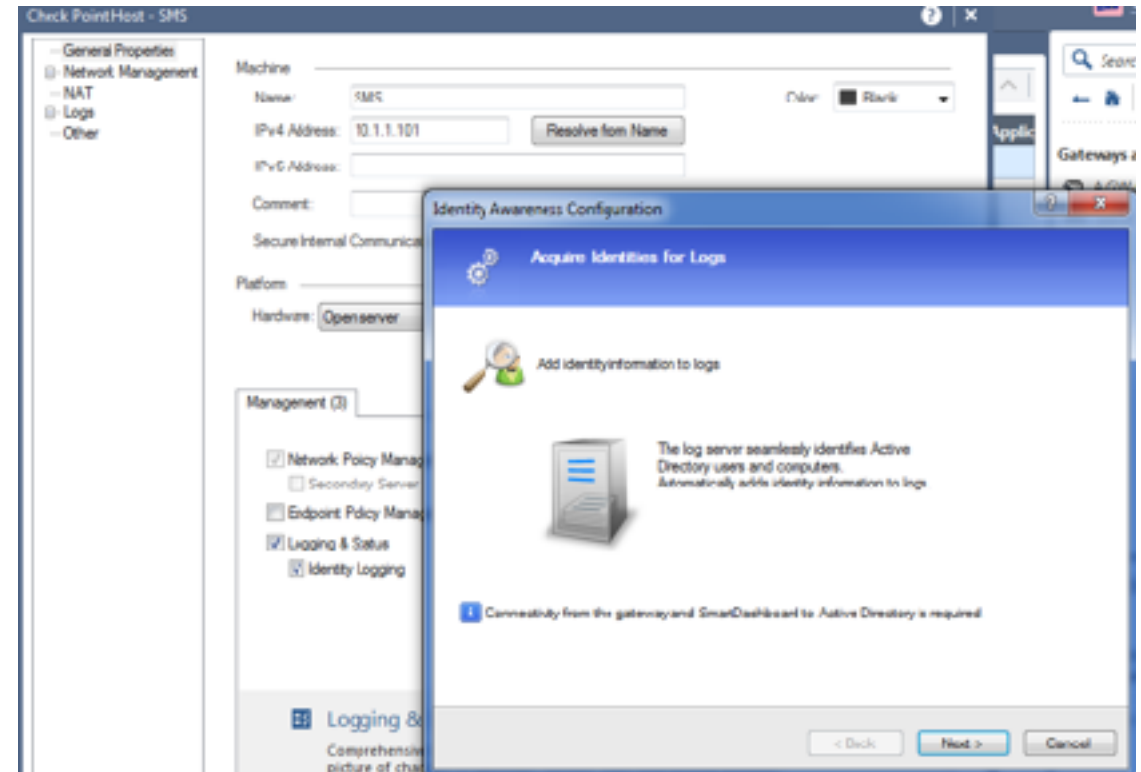


The screenshot shows the 'Identity Awareness Configuration' window with the 'Integration With Active Directory' tab selected. The window contains the following fields and options:

- Select an Active Directory:** A dropdown menu with 'Create new domain' selected.
- Domain Name:** Text box containing 'alpha.co'.
- Username:** Text box containing 'administrator'.
- Password:** Text box containing masked characters (dots).
- Domain Controller:** Text box containing '192.168.1.100'.
- Domain Administrator credential are required:** A checkbox that is checked.
- Connect:** A button.
- From Gateway and SmartDashboard:** A text label.
- Navigation buttons:** '< Back', 'Next >', and 'Cancel' buttons at the bottom right.

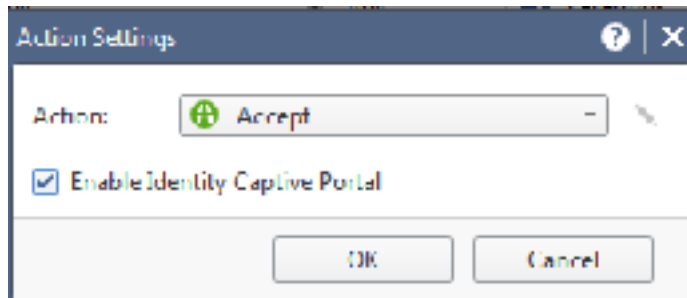
Identity Awareness Identity Logging







- Management Server Configuration



Captive Portal
























Ideal when using AD query with Non-Windows Clients



Action
 Drop
 Allowed Application
 Accept
 Accept
 Accept (display captiv
 Drop

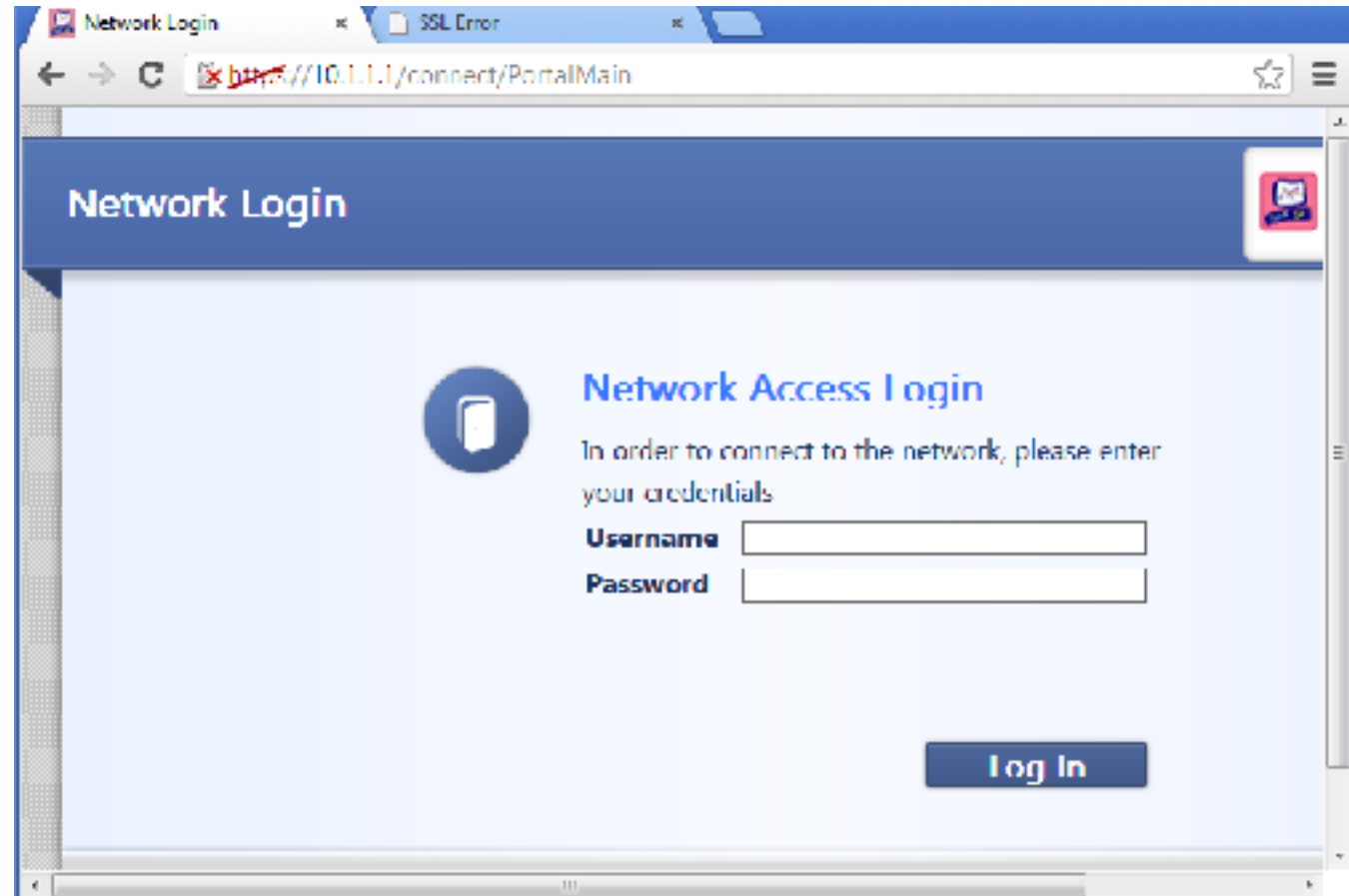
Captive Portal

- Captive Portal Connection
- Connection from Client intercepted by the firewall
- Redirect to the Client for Authentication

					R80.10-GW	R80.10-GW (203...		a23-4-53-163...	http (TCP/80)	3	Captive Portal	Standard
					R80.10-GW	R80.10-GW (203...		a21-4-53-163...	http (TCP/80)	3	Captive Portal	Standard
					R80.10-SMS	Alpha co-AD-Co...						
					R80.10-GW	192.168.10.189		158.54.242.176	http (TCP/80)	3	Captive Portal	Standard

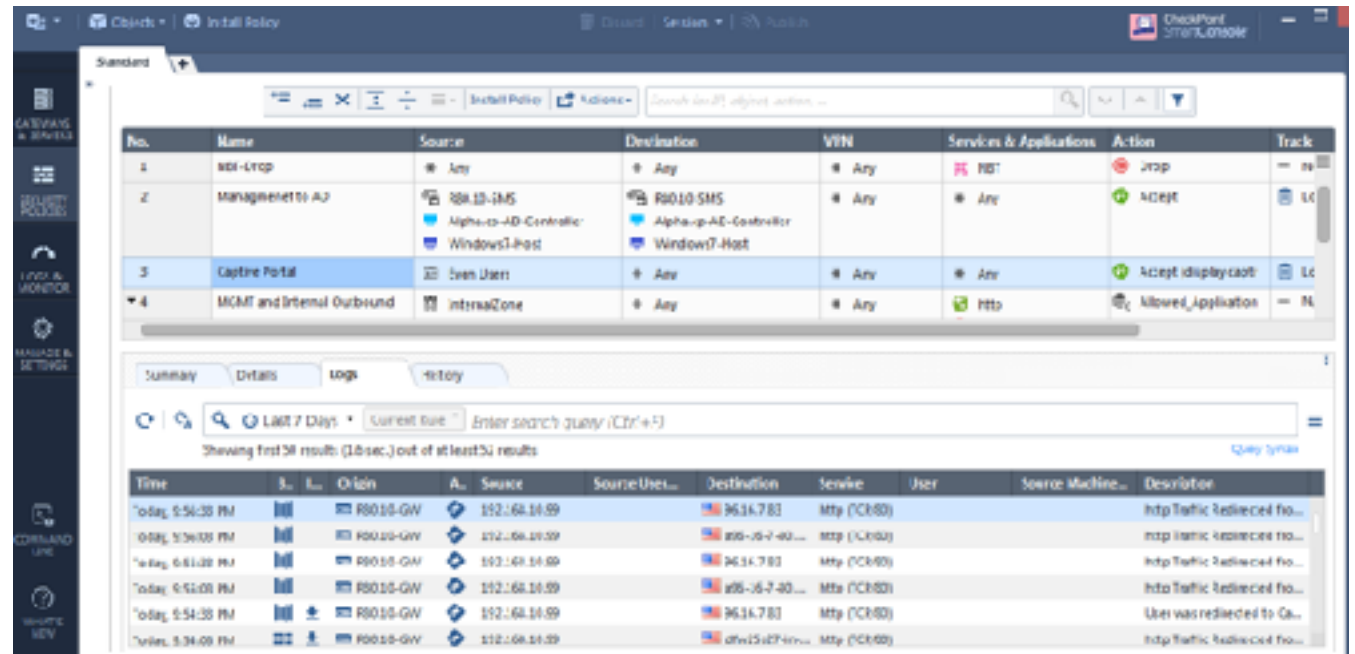
Captive Portal

- Browser Login Page



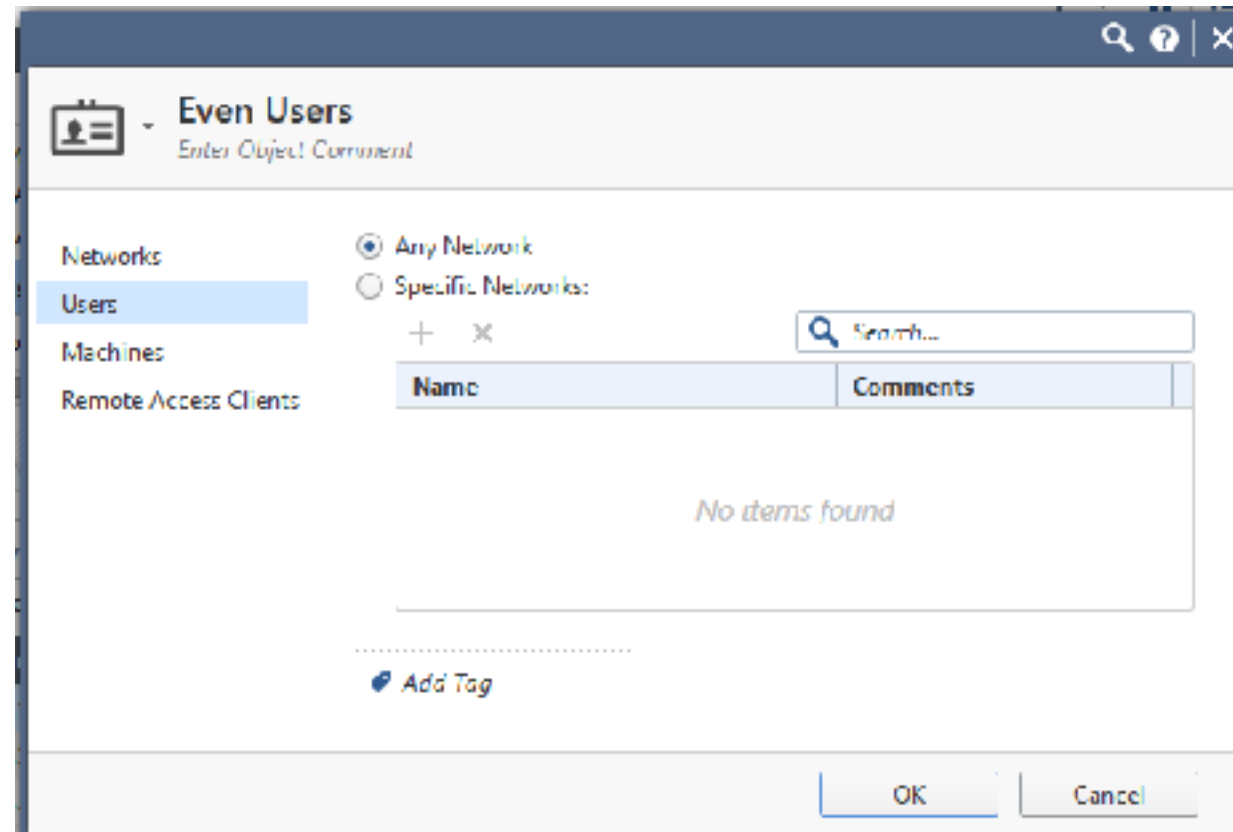
Identity Awareness and Captive Portal in a Security Policy

- Captive Portal Rule
- Log with Portal Redirect



Captive Portal in Rulebase

- Access Roles
 - Network
 - Users
 - Machines



Even Users
Enter Object Comment


Networks
Users
Machines
Remote Access Clients

☒ Any Network
☐ Specific Networks:

+ ×

Search...

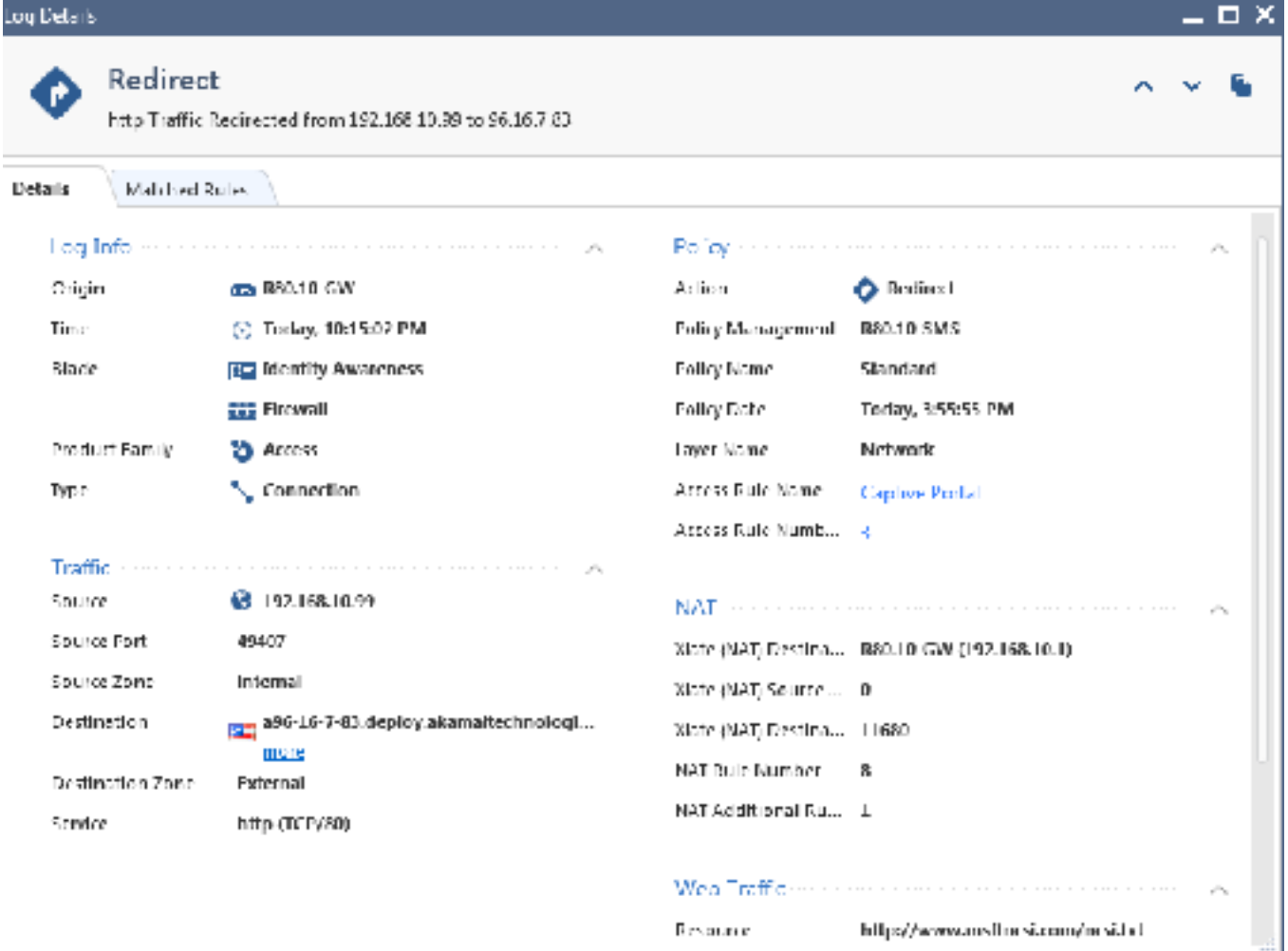
Name	Comments
No items found	

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 Add Tag

OK Cancel

Captive Portal

- Captive Portal Redirect Detailed Log



The screenshot displays a network log entry titled "Redirect" with the subtitle "http Traffic Redirected from 192.168.10.39 to 96.167.83". The log is organized into several sections:

- Details:** Includes tabs for "Details" and "Matched Rules".
- Log Info:**
 - Origin: B80.10 GW
 - Time: Today, 10:15:02 PM
 - Blade: Identity Awareness
 - Product Family: Firewall
 - Product Family: Access
 - Type: Connection
- Traffic:**
 - Source: 192.168.10.39
 - Source Port: 49407
 - Source Zone: Internal
 - Destination: a96-16-7-83.deploy.akamaitechnologi...
 - Destination Zone: External
 - Service: http (TCP/80)
- Policy:**
 - Action: Redirect
 - Policy Management: B80.10 SMS
 - Policy Name: Standard
 - Policy Date: Today, 3:55:55 PM
 - Layer Name: Network
 - Access Rule Name: Captive Portal
 - Access Rule Number: 4
- NAT:**
 - Rule (NAT) Destination: B80.10 GW (192.168.10.1)
 - Rule (NAT) Source: 0
 - Rule (NAT) Destination: 11680
 - NAT Rule Number: 8
 - NAT Additional Rule: 1
- Web Traffic:**
 - Resource: https://www.us1101.com/mid1

Summary

- Configured Identity Awareness
- Configured Captive Portal
- Created a rule base that used Identity Awareness and Captive Portal

Bibliography

Check Point R80.10 Identity Awareness Administration Guide
California: USA