

# **CONFIGURE IDENTITY AWARENESS**

A MINOR PROJECT REPORT

*Submitted by*

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*Under the Guidance of*

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*in partial fulfilment of the requirements for the degree*

*of*

**M.TECH INTEGRATED**

**COMPUTER SCIENCE ENGINEERING**

with specialization in

**CYBER SECURITY AND DIGITAL FORENSICS**



**DEPARTMENT OF NETWORKING AND COMMUNICATIONS**

**FACULTY OF ENGINEERING AND TECHNOLOGY**

**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**

**KATTANKULATHUR – 603 203**

**MAY 2023**

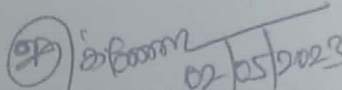
# SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

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(Under Section 3 of UGC Act, 1956)

## BONAFIDE CERTIFICATE

This is certify that this project report titled "CONFIGURE IDENTITY AWARENESS" is the Bonafede work of "SUBHASHIS TRIPATHY [Reg No: RA2112703010020]" who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form any other project report or dissertation based on which a degree or award was conferred on an earlier occasion on this or any other candidate.

  
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INTERNAL EXAMINER

EXTERNAL EXAMINER

# **CONFIGURE IDENTITY AWARENESS**

## **AIM**

To Enable the Identity Awareness blade to allow further refinement of the security policies.

## **OBJECTIVES**

Task1: Configuring the Security Policy for Identity Awareness

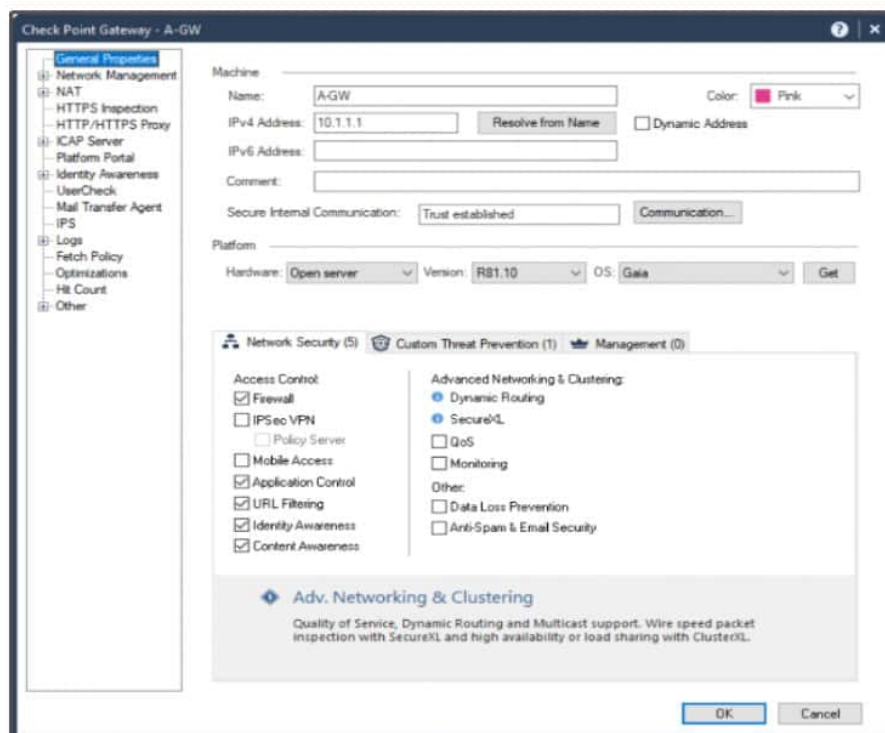
Task2: Defining the User Access Rule

Task3: Testing the Identity Awareness Connection

## PROCEDURE

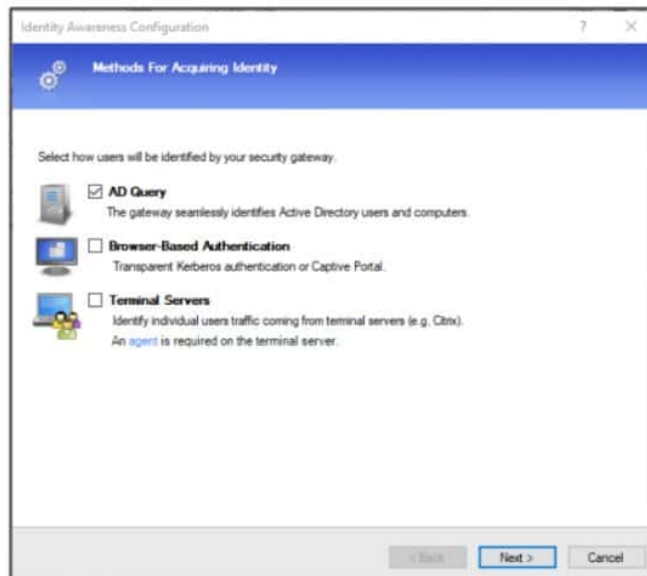
### Configure The Security Policies For Identity Awareness

1. From the A-GUI, log into Smart Console.
2. Select **Gateways & Servers**.
3. Double-click the **A-GW** object to edit.
4. In the Network Security Section, enable **Identity Awareness**. The system displays the Identity Awareness Configuration Wizard.



5. Configure the Methods for Acquiring identity page as follows:

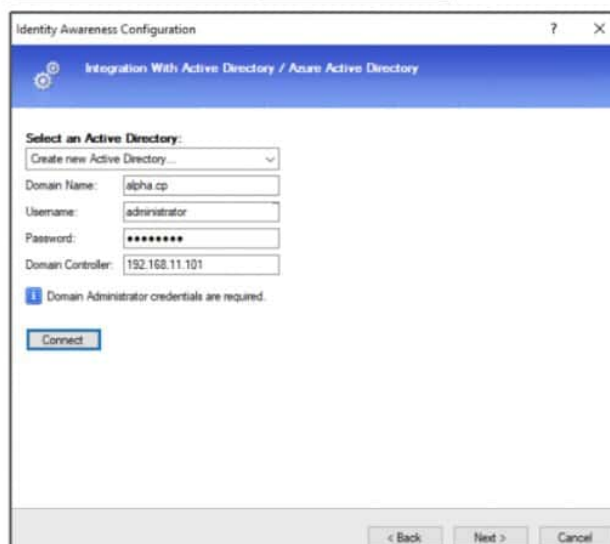
AD Query:	<b>Enabled</b>
Browser-Based Authentication:	<b>Deselected</b>
Terminal Server:	<b>Deselected</b>



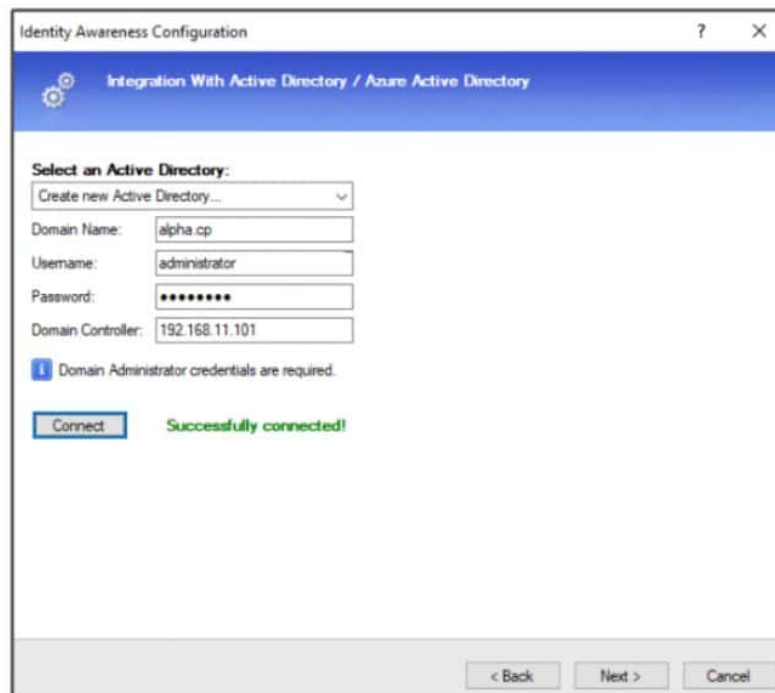
6. Select **Next**.

7. Configure the Integration with Active Directory page as follows:

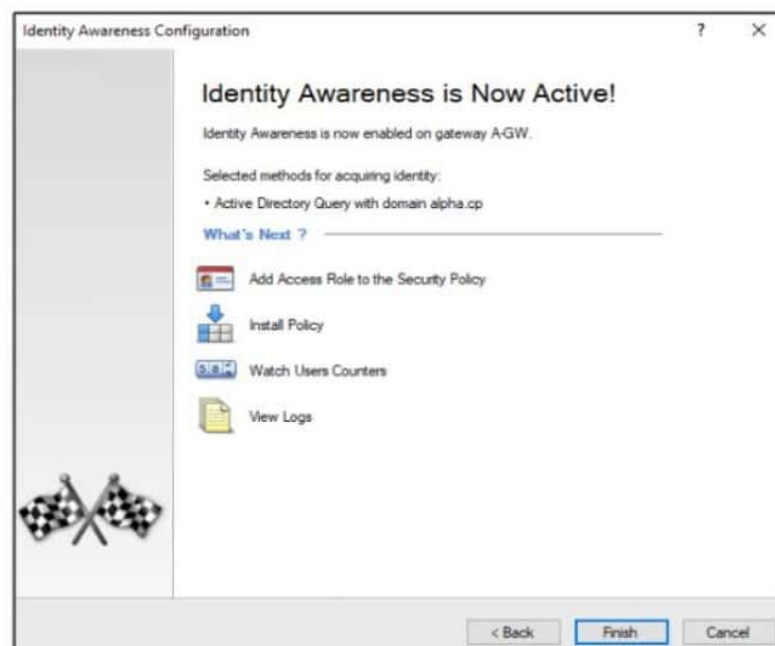
Select an Active Directory:	<b>Create new Domain</b>
Domain Name:	<b>alpha.cp</b>
Username:	<b>administrator</b>
Password:	<b>Chkp!234</b>
Domain Controller:	<b>192.168.11.101</b>



8. Select **Connect**.



9. Select **Next**, and **Finish**.



10. Select **OK**.

11. Publish the changes.

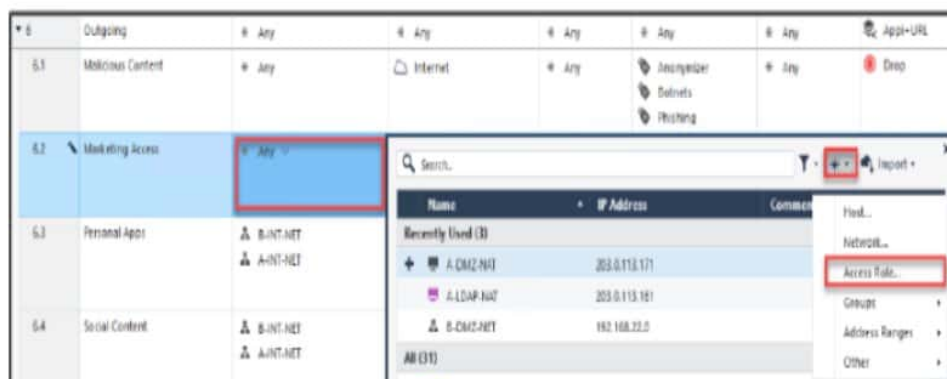
## Defining the User Access Role

1. From the A-GUI, log in to Smart Console.
2. From the left navigation panel, select **Security Policies**.
3. Select the **Unified-Policy**.
4. Expand the Outgoing Rule.
5. Add a new rule above the Personal Apps rule
6. Configure the rule with the following Information:

Name:	<b>Marketing Access</b>
Source:	<b>Any</b>
Destination:	<b>Any</b>
Service & Applications:	<b>Skype</b> <b>Facebook</b> <b>Twitter</b>
Action:	<b>Accept</b>
Track:	<b>Log-accounting</b>

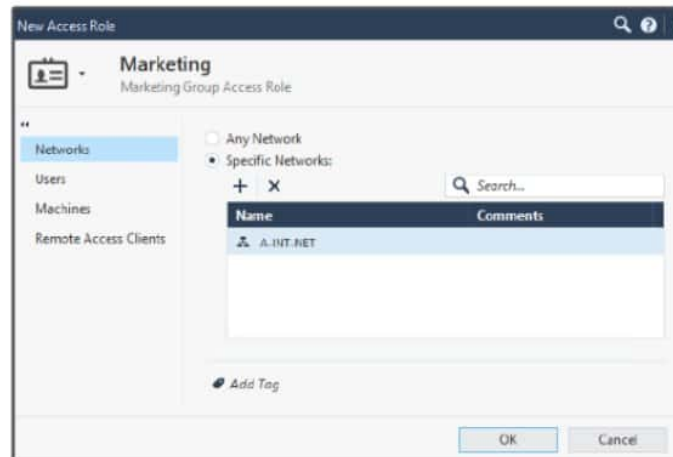
6	Outgoing	Any	Any	Any	Any	Any	App+URL	Deny
6.1	Malicious Content	Any	Internet	Any	Any	Any	Drop	Log Accounting
6.2	Marketing Access	Any	Any	Any	Any	Any	Accept	Log Accounting

7. In the Source column for the Marketing Access Rule, Select the + icon.
8. Select the **New** icon.
9. Select **Access Role**.

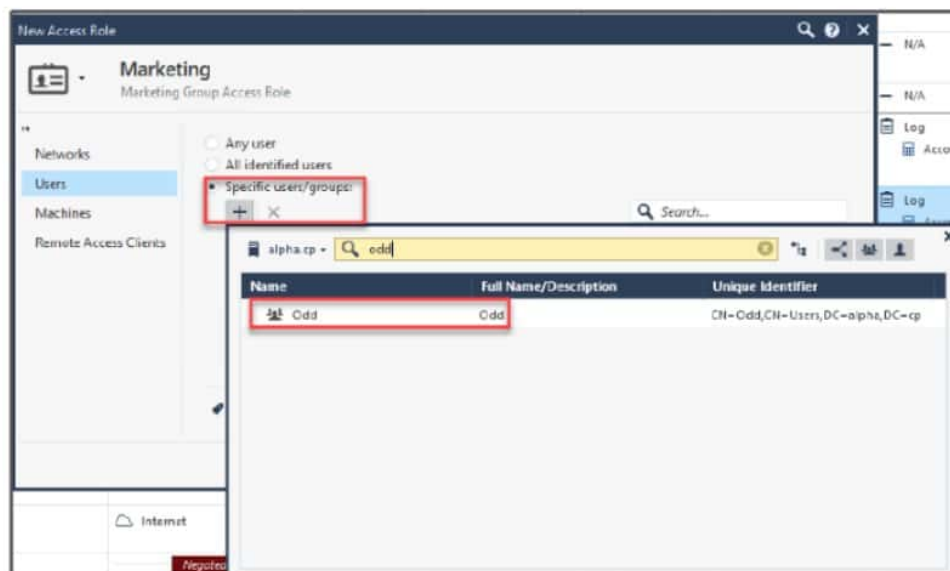


10. Use the following information to configure the Access Role.

Name:	<b>Marketing</b>
Comment:	<b>Marketing Group Access Role</b>
Specific Networks:	<b>A-INT-NET</b>



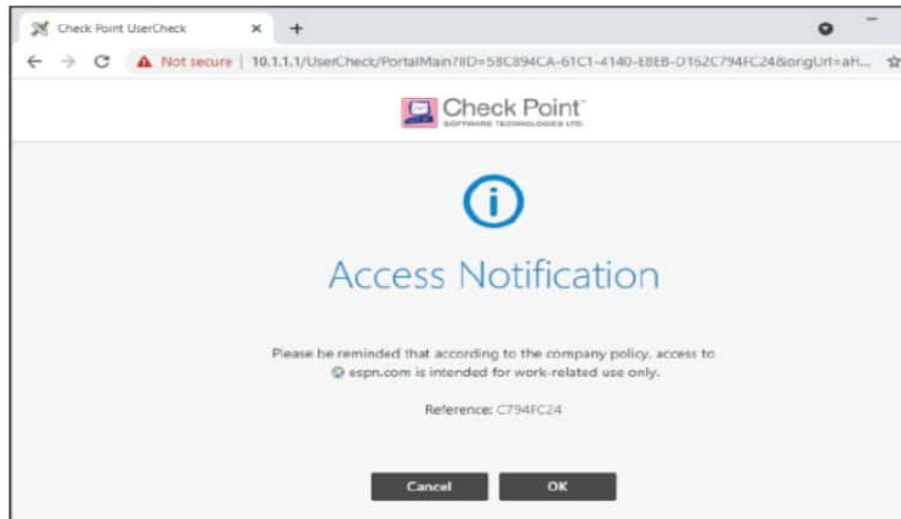
11. Navigate to **Users**.
12. Select **Specific users/groups**.
13. Select the + icon.
14. Search for and add the Odd group.



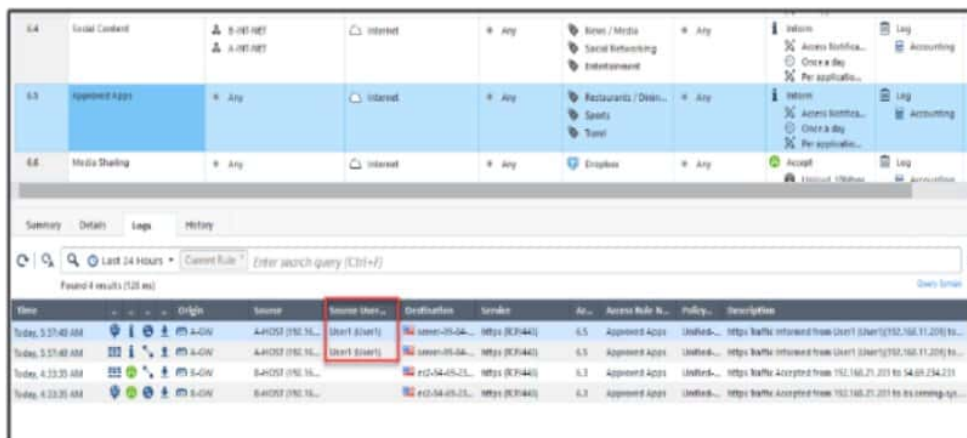
15. For the Marketing Access rule, add A-GW to the Install on Column.



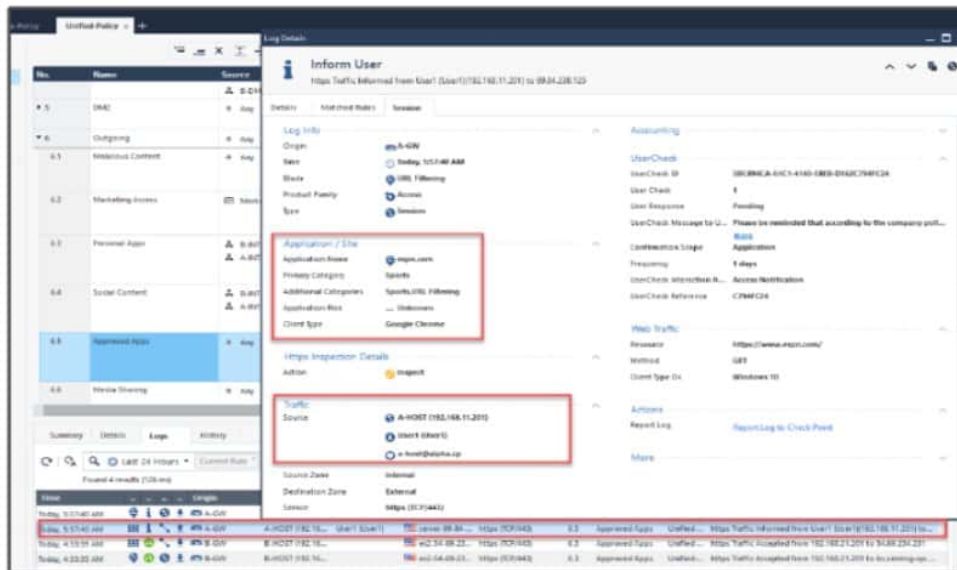




4. From the Security Policies menu, select the Approved Apps rule in the Unified-Policy.
5. On the bottom pane select the **Logs** tab.
6. Review the source and user name field.

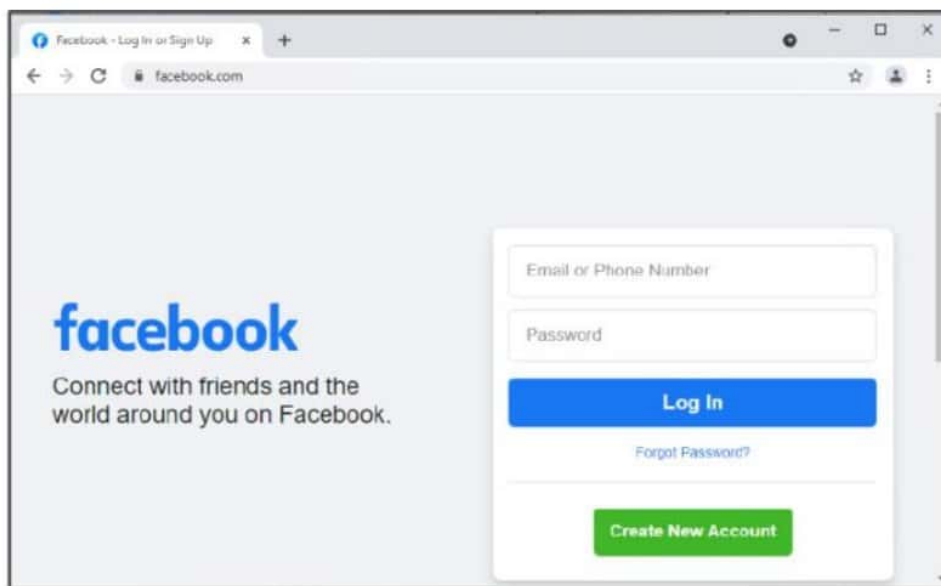


7. Double-click the connection log.
8. In the Log Detail view, go to the **Session** tab.
9. Review the Application and the User.



10. Close the Log Details view.

11. From the browser on A-Host, go to <https://facebook.com>.



12. In SmartConsole on A-GUI, select the Marketing Access rule.

13. In the bottom pane, select the **Logs** tab.

No.	Name	Source	Destination	VPN	Servers & Applications	Content	Action	Rank
3	DMZ	Any	Any	Any	Any	Any	DMZ Layer	N/A
4	Outgoing	Any	Any	Any	Any	Any	App-LMS	N/A
6.1	Malicious Content	Any	Internet	Any	Any	Any	Drop	Log
6.2	Marketing Access	Any	Any	Any	Any	Any	Accept	Log
6.3	Personal Apps	Any	Any	Any	Any	Any	Accept	Log
6.4	Social Content	Any	Any	Any	Any	Any	Accept	Log
6.5	Approved Apps	Any	Any	Any	Any	Any	Accept	Log
6.6	Media Sharing	Any	Any	Any	Any	Any	Accept	Log

14. Locate the Facebook Session log.

No.	Name	Source	Destination	VPN	Servers & Applications	Content	Action	Rank
3	DMZ	Any	Any	Any	Any	Any	DMZ Layer	N/A
4	Outgoing	Any	Any	Any	Any	Any	App-LMS	N/A
6.1	Malicious Content	Any	Internet	Any	Any	Any	Drop	Log
6.2	Marketing Access	Any	Any	Any	Any	Any	Accept	Log
6.3	Personal Apps	Any	Any	Any	Any	Any	Accept	Log
6.4	Social Content	Any	Any	Any	Any	Any	Accept	Log
6.5	Approved Apps	Any	Any	Any	Any	Any	Accept	Log
6.6	Media Sharing	Any	Any	Any	Any	Any	Accept	Log

15. Close the Log Details view.

## RESULT

Successfully configured Identity Awareness.