



Using host authentication allows our service to login to each target system during scanning. Running authenticated scans gives you the most accurate results with fewer false positives. Click [anywhere](#) to continue.

Qualys Cloud Platform

VMDR | Help | Marcus Burrows - Qualys Training (trann3qu84) | Logout

Dashboard Vulnerabilities Prioritization **Scans** Reports Remediation Assets KnowledgeBase Users

Scans Maps Schedules Appliances Option Profiles **Authentication** Search Lists Setup

Search...

Overview

Credentials Breakdown: All 6 Unused 6 Passing 0 Failing 0 Problematic 0 In Vault 0

Network	Type	Title	# IPs	Modified	Owner	Template Reco	Details
Global Default Net...	SNMP	AR - SNMPv2 Corporate	0	06/22/2023	Marcus Burrows - Qualys T...	Details	
Global Default Net...	SNMP	AR - SNMPv2 Public	0	06/22/2023	Marcus Burrows - Qualys T...	Details	
Global Default Net...	SNMP	AR - SNMPv3 Corporate	0	06/22/2023	Marcus Burrows - Qualys T...	Details	
Global Default Net...	Unix	AR - Linux	0	06/22/2023	Marcus Burrows - Qualys T...	Details	
Global Default Net...	Windows	AR - Windows DEV	0	06/27/2023	Marcus Burrows - Qualys T...	Details	
Global Default Net...	Windows	AR - Windows PROD	0	06/22/2023	Marcus Burrows - Qualys T...	Details	



Using an account with administrative privileges allows us to collect information based on registry keys, administrative shares and running services. Click on the [New](#) button (towards the bottom of the screen), to continue.

Qualys Cloud Platform

VMDR

Dashboard Vulnerabilities Prioritization **Scans** Reports Remediation Assets KnowledgeBase Users

Scans Maps Schedules Appliances Option Profiles **Authentication** Search Lists Setup

Search...

Overview

Credentials Breakdown: All **6** Unused **6** Passing **0** Failing **0** Problematic **0** In Vault **0**

Network	Type	Title	# IPs	Modified	Owner	Template Reco	Details
Global Default Net...	SNMP	AR - SNMPv2 Corporate	0	06/22/2023	Marcus Burrows - Qualys T...	Details	
Global Default Net...	SNMP	AR - SNMPv2 Public	0	06/22/2023	Marcus Burrows - Qualys T...	Details	
Global Default Net...	SNMP	AR - SNMPv3 Corporate	0	06/22/2023	Marcus Burrows - Qualys T...	Details	
Global Default Net...	Unix	AR - Linux	0	06/22/2023	Marcus Burrows - Qualys T...	Details	
Global Default Net...	Windows	AR - Windows DEV	0	06/27/2023	Marcus Burrows - Qualys T...	Details	
Global Default Net...	Windows	AR - Windows PROD	0	06/22/2023	Marcus Burrows - Qualys T...	Details	



You are going to create an authentication record for the Training Active Directory domain. To continue, click [Windows](#)

Qualys Cloud Platform

VMDR | Help | Marcus Burrows - Qualys Training (trann3qu84) | Logout

Dashboard Vulnerabilities Prioritization **Scans** Reports Remediation Assets KnowledgeBase Users

Scans Scans Maps Schedules Appliances Option Profiles **Authentication** Search Lists Setup

Search...

Overview Hide Graph

Credentials Breakdown: All 6 Unused 6 Passing 0 Failing 0 Problematic 0 In Vault 0

OS	Count
Unix	1
SNMP	3
Windows	2

Actions (0) New

- Operating Systems...
 - Unix
 - Windows
- Network and Security...
 - NMPv2 Corporate
 - NMPv2 Public
 - NMPv3 Corporate
- Databases...
 - Linux
- VMware...
 - Windows DEV
 - Windows AR - Windows PROD
- System Record Templates...
- Authentication Vaults
- Download...

	IPs	Modified	Owner	Template Record Details
Global Default	0	06/22/2023	Marcus Burrows - Qualys T...	Details
Global Default	0	06/22/2023	Marcus Burrows - Qualys T...	Details
Global Default	0	06/22/2023	Marcus Burrows - Qualys T...	Details
Global Default	0	06/22/2023	Marcus Burrows - Qualys T...	Details
Global Default	0	06/27/2023	Marcus Burrows - Qualys T...	Details
Global Default Net...	0	06/22/2023	Marcus Burrows - Qualys T...	Details



Give the Record a meaningful name. Type **TRN Domain** and press Enter

New Windows Record

Launch Help

Record Title >

Login Credentials >

IPs >

Comments >

Record Title

Title: *

Network
Global Default Network ▾

Cancel

Save



Click the [Login Credentials](#) tab

New Windows Record

Launch Help

Record Title >

Login Credentials >

IPs >

Comments >

Record Title

Title: *

TRN Domain

Network

Global Default Network

Cancel

Save



You can select local, or domain-based authentication. Click the **drop-down** next to Domain type to continue.

New Windows Record

Launch Help

Record Title >

Login Credentials >

IPs >

Comments >

Login Credentials

Windows Authentication

Local

Domain

Domain type:

NetBIOS, User-Selected IPs

Domain name: *

syntax: DOMAIN1

Login

Use the basic login credential or choose to use authentication vault for authenticated scanning.

Basic authentication

Authentication Vault

User Name: *

Password:

Confirm Password:

Choose Authentication Protocols

We'll attempt authentication to target hosts using the authentication protocols you select below, in the order listed.

Kerberos

NTLMv2

NTLMv1

Sep 14, 2023

8 of 19



Select Active Directory

New Windows Record

Launch Help

Record Title >

Login Credentials >

IPs >

Comments >

Login Credentials

Windows Authentication

Local

Domain

Domain type:

Domain name: *

NetBIOS, User-Selected IPs

NetBIOS, Service-Selected IPs

✓ Active Directory

syntax: domain1.company.com

Follow trust relationships

Login

Use the basic login credential or choose to use authentication vault for authenticated scanning.

Basic authentication

Authentication Vault

User Name: *

Password:

Confirm Password:

Choose Authentication Protocols

We'll attempt authentication to target hosts using the authentication protocols you select below, in the order listed.

Kerberos

NTLMv2

NTLMv1



In the Domain Name field, type trn.qualys.com

New Windows Record

Launch Help

Record Title >

Login Credentials >

IPs >

Comments >

Login Credentials

Windows Authentication

Local

Domain

Domain type:

Active Directory

Domain name: *

trn

syntax: domain1.company.com

Follow trust relationships

Login

Use the basic login credential or choose to use authentication vault for authenticated scanning.

Basic authentication

Authentication Vault

User Name: *

Password:

Confirm Password:

Choose Authentication Protocols

We'll attempt authentication to target hosts using the authentication protocols you select below, in the order listed.

Kerberos

NTLMv2

NTLMv1



For the User Name, type **Qualys** and press Enter.

New Windows Record

Launch Help

Record Title >

Login Credentials >

IPs >

Comments >

Login Credentials

Windows Authentication

Local

Domain

Domain type:Active Directory

Domain name: *trn.qualys.com

Follow trust relationships

Login

Use the basic login credential or choose to use authentication vault for authenticated scanning.

Basic authentication

Authentication Vault

User Name: *q

Password:

Confirm Password:

Choose Authentication Protocols

We'll attempt authentication to target hosts using the authentication protocols you select below, in the order listed.

Kerberos

NTLMv2

NTLMv1



For the password, type **Qualys123!** and press Enter.

New Windows Record

Launch Help

Record Title >

Login Credentials >

IPs >

Comments >

Login Credentials

Windows Authentication

Local

Domain

Domain type:Active Directory

Domain name: *trn.qualys.com

Follow trust relationships

Login

Use the basic login credential or choose to use authentication vault for authenticated scanning.

Basic authentication

Authentication Vault

User Name: *qualys

Password:

Confirm Password:

Choose Authentication Protocols

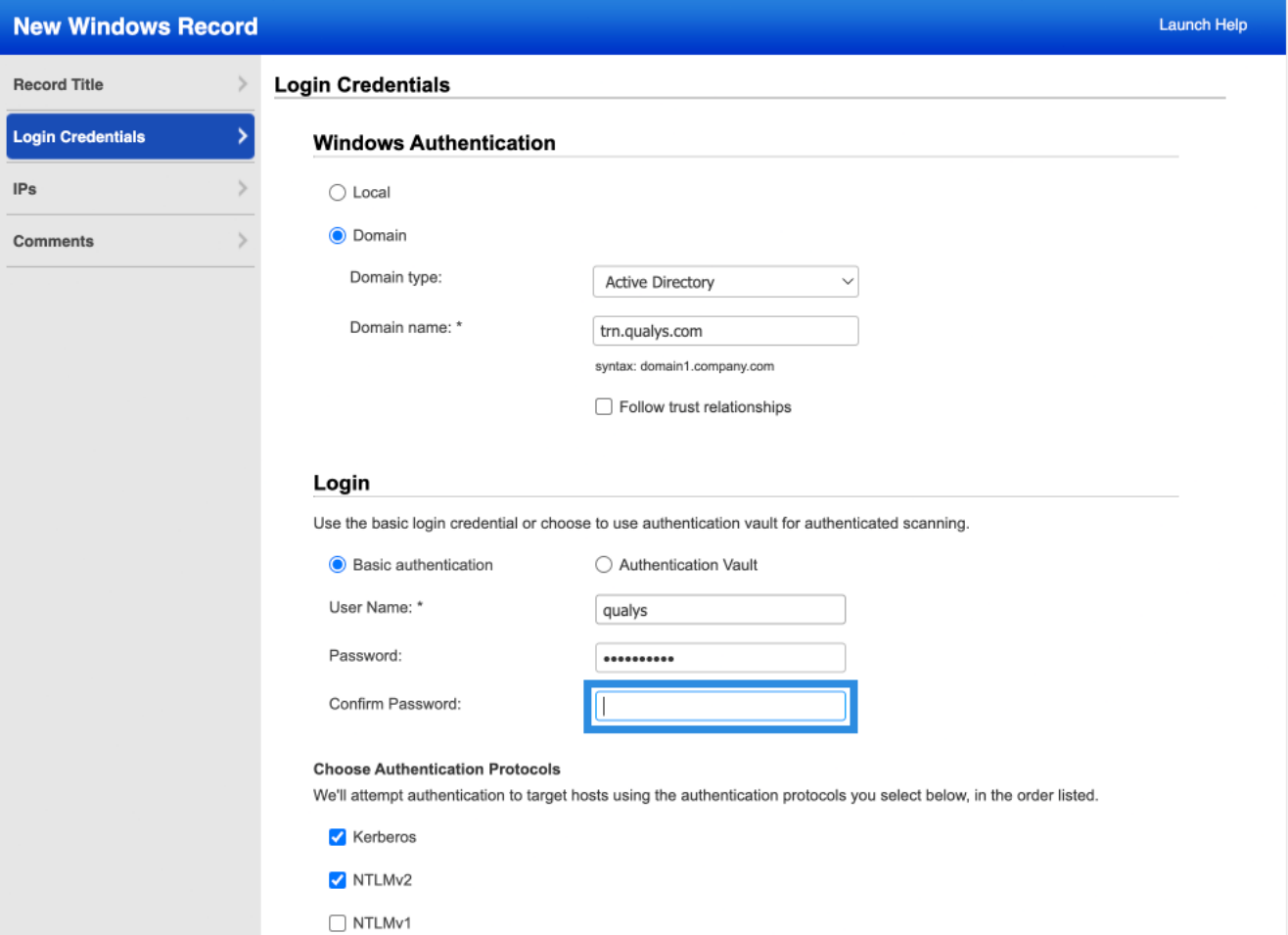
We'll attempt authentication to target hosts using the authentication protocols you select below, in the order listed.

Kerberos

NTLMv2

NTLMv1

 To confirm the password, again type **Qualys123!** and press Enter.



New Windows Record Launch Help

Record Title >

Login Credentials >

IPs >

Comments >

Login Credentials

Windows Authentication

☐ Local

☒ Domain

Domain type:

Domain name: *

syntax: domain1.company.com

☐ Follow trust relationships

Login

Use the basic login credential or choose to use authentication vault for authenticated scanning.

☒ Basic authentication ☐ Authentication Vault

User Name: *

Password:

Confirm Password:

Choose Authentication Protocols

We'll attempt authentication to target hosts using the authentication protocols you select below, in the order listed.

☒ Kerberos

☒ NTLMv2

☐ NTLMv1



"Enable Agentless Tracking" is used to track the hosts using a host ID. During the scanning process, the service assigns a unique host ID to each target host. To learn more, click [HERE](#). Click [Enable Agentless Tracking](#) to continue

☐ Follow trust relationships

Login

Use the basic login credential or choose to use authentication vault for authenticated scanning.

☒ Basic authentication
 ☐ Authentication Vault

User Name: *

Password:

Confirm Password:

Choose Authentication Protocols

We'll attempt authentication to target hosts using the authentication protocols you select below, in the order listed.

☒ Kerberos
 ☒ NTLMv2
 ☐ NTLMv1

Agentless Tracking

☐ Enable agentless tracking

SMB

☐ SMB signing required

Minimum SMB version:

Cancel

Save



Notice that there are different authentication protocols available to support different domain types. Kerberos and NTLMv2 are the default choices and often suitable for Windows domains. Click [Save](#) to continue.

☐ Follow trust relationships

Login

Use the basic login credential or choose to use authentication vault for authenticated scanning.

☒ Basic authentication
 ☐ Authentication Vault

User Name: *

Password:

Confirm Password:

Choose Authentication Protocols

We'll attempt authentication to target hosts using the authentication protocols you select below, in the order listed.

☒ Kerberos
 ☒ NTLMv2
 ☐ NTLMv1

Agentless Tracking

☒ Enable agentless tracking

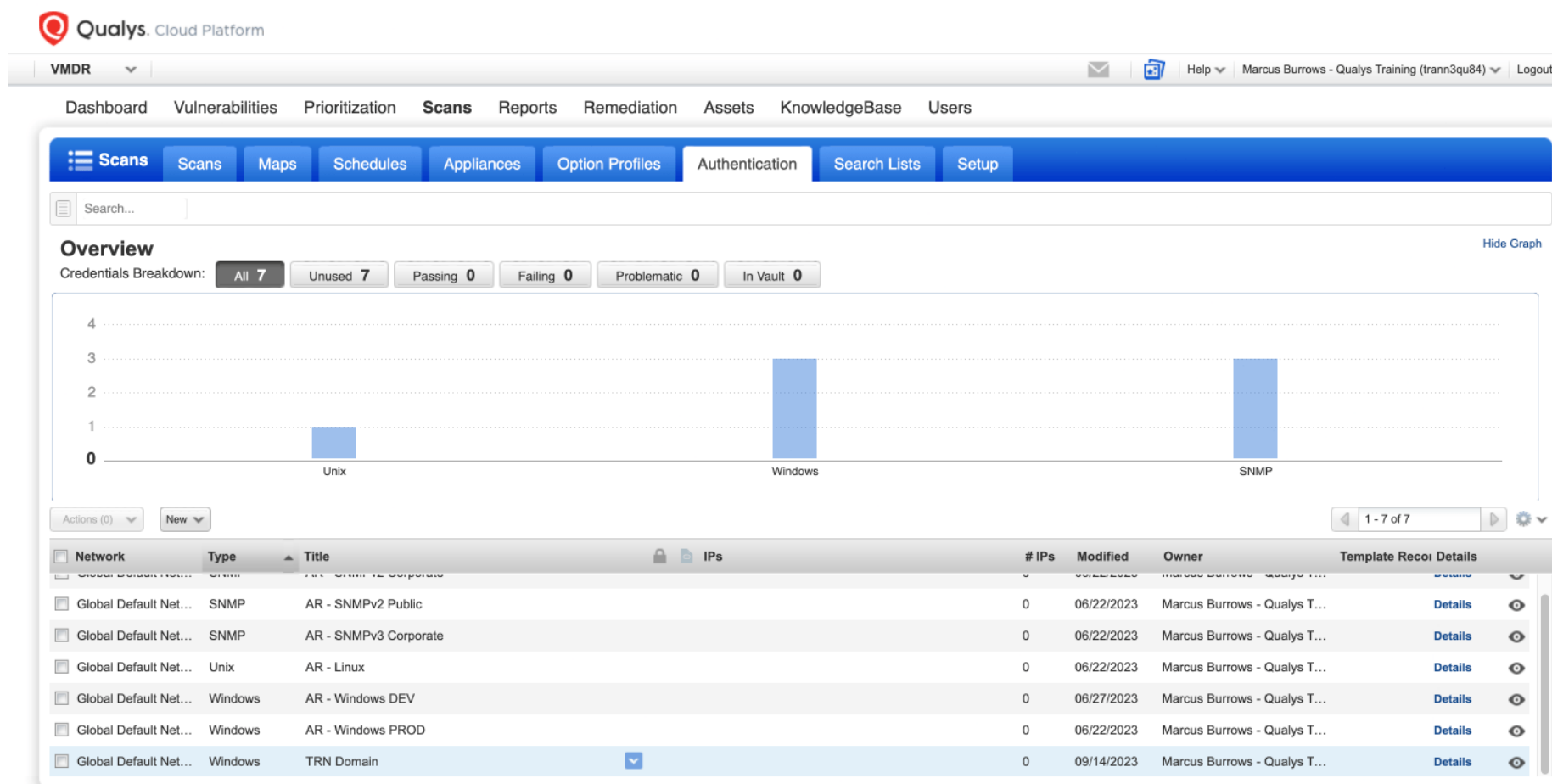
SMB

☐ SMB signing required

Minimum SMB version:



When a scanner targets a host belonging to the TRN domain, it will use this record when Windows Authentication is specified in the Scanning Option Profile. **That's it, you're done!**





Scan to go to the interactive player