Failed to authenticate access to file share

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Contents

- Failed to authenticate access to file share

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ISSUE

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Online migration from sql in azure VM to SQL MI instance

Error:

{ "resourceId":"/subscriptions/Input SubscriptionId/resourcegroups/sql-mi-rg/providers/Microsoft.DataMigration/services/edel-sql-mi-migrate", "errorType":"Migration settings validation error", "errorDetail":"Failed to authenticate access to file share '\\atl-solr04.corp.abovethetreeline.com\backup\'.Method failed with unexpected error code 53." }

ENVIRONMENT

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++++SQL VM：in created in classic model. It is in VNET 1

++++File share VM in VNET 2   Subnet A

++++Vnet 2 has peering set up with vnet 1 which is classic model

+++++MI: in VNET 2 Subnet B

+++++DMS: in VNET 2 Subnet C

So DMS, MI and file share VM are in the same VNET. SQL VM is in classic network which has peering set up with DMS VNET.

THINGS HAVE BEEN CHECKED

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   1. Azure Storage aig setting:
Storage account name: sqlmistor01

Allow access from all networks is selected

2. We tried to use IP address for the source SQL VM but didn't help.
3. Permissions for [\\atl-solr04\backup](#) are given. Both the windows account and the sql service account have the permission on the file share.
4. We can access the file share from the SQL VM
5. The file share VM and SQL VM does not seem using NSG based on ASC.
6. We checked Event viewer does not show any error
7. We copied one full back up from azure storage—didn't help this error but it is required
8. We enabled the rule for 445 in private and public network in both inbound and outbound rules in file share VM firewall settings   -- didn't help
9. Removed the NSG and route table for DMS subnet -- Didn't help
10. Used the IP address instead of the domain address-- It resolved the error!

But we know previously we tried the IP address it didn't help.

Then we disabled the rule for 445 in private and public network in the firewall settings back.

It still works.

So it looks like the issue is resolved by:

1. remove the route table and NSG rules in the DMS service 2. using the IP address for the file share.

When using the public IP address for the file share, a customer receive

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