All,
Guys be on the look out for this issue. I think we have been seeing this more lately and not realizing it. If the policy on the server is changed to NTLMv2 only and Refuse LM and NTLM, the MFPs will fail with an authentication error message. This is because NTLMv2 Authentication is not enabled on the MFP. I swear this use to work without enabling this settings but here you go. There are a few GKB articles under NTLMv2 and SMB Client Auth as well. Just keep this in mind when troubleshooting scan to folder issues. Ask if they are using NTLMv2 and make sure the NIB firmware is up to date.

Local Policies/Security Options

<table>
<thead>
<tr>
<th>Policy</th>
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<tbody>
<tr>
<td>Interactive logon: Prompt user to change password before expiration</td>
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<tr>
<td>Network access: Allow anonymous SID/Name translation</td>
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<td>Network access: Do not allow anonymous enumeration of SAM accounts</td>
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<td>Network access: Do not allow anonymous enumeration of SAM accounts and shares</td>
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<tr>
<td>Network security: Do not store LAN Manager hash value on next password change</td>
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<tr>
<td>Network security: LAN Manager authentication level</td>
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1. Telnet into the device.

```
C:\WINDOWS\system32\cmd.exe
D:\documents and settings\tdaniels\Desktop>telnet 151.114.17.145
```

2. Login with admin
3. Do a show command

4. Scroll down to the SMB sections and find the Client Auth Level. It should be 0.

5. Type "smb client auth 1" to change it to NTLMv2
6. Logout

```
smb client port [139:445]
  139 = try 139 first, then 445
  445 = try 445 first, then 139
smb client auth [0:1:1]
  0 = use NTLM/LM
  1 = use NTLMv2/NTLM/LM
msh> smb client auth 1
msh> logout
```

7. Enter "yes" to save.

```
445 - try 445 first, then 139
smb client auth [0:1:1]
  0 = use NTLM/LM
  1 = use NTLMv2/NTLM/LM
msh> smb client auth 1
msh> logout
Logout Maintenance Shell.
Do you save configuration data? (yes/no/return) > yes
```

8. If you log back in, the Auth level should set to 1 now and Scanning using only NTLMv2 should work now.

```
NDS Tree Name: 
Transfer Protocol: IPv4 IPX(IPv4 priority)
SMB:
  Switch: 0x0e
  Node: Workgroup
  Direct print: On
  Notification: Off
  Workgroup name: WORKGROUP
  Computer name: 
  Comment: 
  Share name[1]: MPC6501
  Protocol: IPv4
  Client port: 139
  Client auth level: 1
Ethernet: 802.1X Authentication: Off
```

Regards,

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