

Not able to install SCCM Client on Azure VM's

After setting up Azure VM, I tried to push SCCM Client from ConfigMgr console to Azure VM. The install failed with many errors like unable to reach DP, MP, and other errors. Had to troubleshoot and see where and why the install failed.

After reading through ccmsetup.log file from Azure VM and ccm.log from ConfigMgr server, I noticed similar error. So, the first point of attack was to ping. The ping failed both directions. To fix, I had to open Command prompt and run route -p add 10.0.0.0 mask 255.0.0.0 192.168.0.x. I need to run this command because, I am using Site to Site VPN connectivity through RRAS Server. After that, I tried to install the client. It was successful.

Here is complete error details Before and After

Before:

AZURE VM:

| | | | |
|-----------------------------------------------------------------------------------------------------------------------------------|----------|----------------------|-------------|
| Trying without proxy. | ccmsetup | 01-Oct-2020 12:40:00 | 332 (0x14C) |
| [CCMHTTP] AsyncCallback(): ----- | ccmsetup | 01-Oct-2020 12:40:00 | 332 (0x14C) |
| [CCMHTTP] AsyncCallback(): WINHTTP_CALLBACK_STATUS_SECURE_FAILURE Encountered | ccmsetup | 01-Oct-2020 12:40:00 | 332 (0x14C) |
| [CCMHTTP] : dwStatusInformationLength is 4 | ccmsetup | 01-Oct-2020 12:40:00 | 332 (0x14C) |
| [CCMHTTP] : *lpvStatusInformation is 0x1 | ccmsetup | 01-Oct-2020 12:40:00 | 332 (0x14C) |
| [CCMHTTP] : WINHTTP_CALLBACK_STATUS_FLAG_CERT_REV_FAILED is set | ccmsetup | 01-Oct-2020 12:40:00 | 332 (0x14C) |
| [CCMHTTP] AsyncCallback(): ----- | ccmsetup | 01-Oct-2020 12:40:00 | 332 (0x14C) |
| Failed in WinHttpSendRequest API. ErrorCode = 0x2f8f | ccmsetup | 01-Oct-2020 12:40:00 | 332 (0x14C) |
| [CCMHTTP] ERROR: URL=https://CB.RAMLAN.CA/ccm_system/request, Port=443, Options=63, Code=12175, Text=ERROR_WINHTTP_SECURE_FAILURE | ccmsetup | 01-Oct-2020 12:40:00 | 332 (0x14C) |
| [CCMHTTP] ERROR INFO: StatusCode=200 StatusText= | ccmsetup | 01-Oct-2020 12:40:00 | 332 (0x14C) |
| Failed (0x80072f8f) to send location request to 'CB.RAMLAN.CA'. Status Code 200, Status Text " | ccmsetup | 01-Oct-2020 12:40:00 | 332 (0x14C) |
| Failed to send location message to 'HTTPS://CB.RAMLAN.CA'. Status text " | ccmsetup | 01-Oct-2020 12:40:00 | 332 (0x14C) |
| GetDPLocations failed with error 0x80072f8f | ccmsetup | 01-Oct-2020 12:40:00 | 332 (0x14C) |
| Failed to get DP locations as the expected version from MP 'HTTPS://CB.RAMLAN.CA'. Error 0x80072f8f | ccmsetup | 01-Oct-2020 12:40:00 | 332 (0x14C) |
| Only one MP HTTPS://CB.RAMLAN.CA is specified. Use it. | ccmsetup | 01-Oct-2020 12:50:02 | 332 (0x14C) |
| Have already tried all MPs. Couldn't find DP locations. | ccmsetup | 01-Oct-2020 12:50:02 | 332 (0x14C) |
| Downloading 'HTTPS://CB.RAMLAN.CA/CCM_Client/ccmsetup.cab' to 'C:\windows\ccmsetup\ccmsetup.cab' | ccmsetup | 01-Oct-2020 12:50:02 | 332 (0x14C) |
| ISslClientAuthEnabled - Determining provisioning mode state failed with 80070002. Defaulting to state of 63. | ccmsetup | 01-Oct-2020 12:50:02 | 332 (0x14C) |
| Client is on internet | ccmsetup | 01-Oct-2020 12:50:02 | 332 (0x14C) |
| Client is set to use webproxy if available. | ccmsetup | 01-Oct-2020 12:50:02 | 332 (0x14C) |
| ISslClientAuthEnabled - Determining provisioning mode state failed with 80070002. Defaulting to state of 63. | ccmsetup | 01-Oct-2020 12:50:02 | 332 (0x14C) |

CONFIGMGR SERVER:

| | | | |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|----------------|
| ----> Attempting to connect to administrative share '\\SM2\admin\$' using machine account. | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 16760 (0x4178) |
| ----> Failed to connect to '\\SM2\admin\$' using machine account (0) | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 16760 (0x4178) |
| ----> ERROR: Failed to connect to the '\\SM2\admin\$' using account 'Machine Account' | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 16760 (0x4178) |
| ----> ERROR: Unable to access target machine for request: '16777233', machine name: 'SM2', access denied or invalid network path. | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 16760 (0x4178) |
| Execute query exec [sp_CP_SetLastest] 16777233, 0 | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 16760 (0x4178) |
| Stored request '16777233', machine name: 'SM2', in queue 'Retry'. | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 16760 (0x4178) |
| Execute query exec [sp_CP_SetPushRequestMachineStatus] 16777233, 2 | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 16760 (0x4178) |
| Execute query exec [sp_CP_SetLatest] 16777233, N'10/01/2020 17:28:38', 134 | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 16760 (0x4178) |
| <=====End request: '16777233', machine name: 'SM2'. | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 16760 (0x4178) |
| ----> NetUseAdd failed: 33: dwParamError = 0 | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| ----> NTLM fallback is enabled | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| ----> WNetAddConnection2 failed (LOGON32_LOGON_NEW_CREDENTIALS) using account RAMLAN\Administrator (00000043) | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| ----> Attempting to connect to administrative share '\\WVD-DT-0\admin\$' using account 'RAMLAN\ram' | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| ----> SspiEncodeStringsAsAuthIdentity succeeded! | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| ----> SspiExcludePackage succeeded! | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| ----> SspiMarshalAuthIdentity succeeded! | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| ----> NetUseAdd failed: 33: dwParamError = 0 | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| ----> NTLM fallback is enabled | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| ----> WNetAddConnection2 failed (LOGON32_LOGON_NEW_CREDENTIALS) using account RAMLAN\ram (00000042) | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| ----> Attempting to connect to administrative share '\\WVD-DT-0\admin\$' using machine account. | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| ----> Failed to connect to '\\WVD-DT-0\admin\$' using machine account (0) | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| ----> ERROR: Failed to connect to the '\\WVD-DT-0\admin\$' using account 'Machine Account' | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| ----> ERROR: Unable to access target machine for request: '2097152047', machine name: 'WVD-DT-0', access denied or invalid network path. | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| Execute query exec [sp_CP_SetLastest] 2097152047, 0 | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| Stored request '2097152047', machine name: 'WVD-DT-0', in queue 'Retry'. | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| Execute query exec [sp_CP_SetPushRequestMachineStatus] 2097152047, 2 | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| Execute query exec [sp_CP_SetLatest] 2097152047, N'10/01/2020 17:28:38', 3 | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| <=====End request: '2097152047', machine name: 'WVD-DT-0'. | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:38 P | 5640 (0x1608) |
| ----> NetUseAdd failed: 33: dwParamError = 0 | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:40 P | 4168 (0x1048) |
| ----> NTLM fallback is enabled | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:40 P | 4168 (0x1048) |
| ----> WNetAddConnection2 failed (LOGON32_LOGON_NEW_CREDENTIALS) using account RAMLAN\Administrator (00000043) | SMS_CLIENT_CONFIG_MGR | 01-Oct-2020 1:28:40 P | 4168 (0x1048) |

After:

AZURE VM:


```
[5.00.9012.1020] Params to send "5.0.9012.1010 Deployment Error: 0x0," ccmsetup 01-Oct-2020 3:36:38 P 4588 (0x11EC)
<ClientDeploymentMessage ErrorCode="0"><Client Baseline="1" BaselineCookies="" Platform="2" Langs=""/></ClientDeploymentMessage> ccmsetup 01-Oct-2020 3:36:38 P 4588 (0x11EC)
Raised pending client deployment state message. ccmsetup 01-Oct-2020 3:36:38 P 4588 (0x11EC)
Successfully deleted task 'Configuration Manager Client Retry Task' ccmsetup 01-Oct-2020 3:36:38 P 4588 (0x11EC)
Successfully revoked client auto-upgrade local policy. ccmsetup 01-Oct-2020 3:36:38 P 4588 (0x11EC)
Deleted file C:\windows\ccmsetup\ccmsetup.xml ccmsetup 01-Oct-2020 3:36:38 P 4588 (0x11EC)
Task 'Configuration Manager Client Upgrade Task' does not exist ccmsetup 01-Oct-2020 3:36:38 P 4588 (0x11EC)
Could not retrieve value for MDM_ConfigSetting . Error 0x80041013 ccmsetup 01-Oct-2020 3:36:38 P 4588 (0x11EC)
CcmSetup is exiting with return code 0 ccmsetup 01-Oct-2020 3:36:38 P 4588 (0x11EC)

Date/Time: 01-Oct-2020 3:36:38 PM Component: ccmsetup
Thread: 4588 (0x11EC) Source: ccmsetup.cpp:11789
CcmSetup is exiting with return code 0
```

CONFIGMGR SERVER:

```
IISSSLPreferredPort: 443 SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
Default MP: CB.RAMLAN.CA SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
Default MP Type: 1 SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
Default MP: [None] SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
Certificate Selection Criteria: SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
Certificate Store: SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
SSL State: 63 SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
PKI Cert Options: 0x1 SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
Select First Certificate: 1 SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
Certificate Issuers: CN=RAMLAN-DC-CA; DC=RAMLAN; DC=CA SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
Checking configuration information for server: CB.RAMLAN.CA. SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
Checking configuration information for server: CB.RAMLAN.CA. SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
Fallback Status Point: CB.RAMLAN.CA SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
Install on DC: True SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
Option for installing using IP address: 0 SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)
Sleeping for 1200 seconds... SMS_CLIENT_CONFIG_MAN 01-Oct-2020 3:33:57 P 6076 (0x17BC)

Date/Time: 01-Oct-2020 3:33:57 PM Component: SMS_CLIENT_CONFIG_MANAGER
Thread: 6076 (0x17BC) Source:
Sleeping for 1200 seconds...
```

 DCAZURE Yes RAMLAN\wvdadmin TOR

Please note you don't have to do this kind of reverse engineering in Production because you will be using a dedicated hardware or software VPN device. My lab setup does not have hardware or software VPN device. So, I used RRAS as VPN device and get the task accomplished.

You can run below command to find out, if the device is AD Joined or AzureAD Joined. Quite helpful to locate from where the machine came from.

```
C:\Users\wvdadmin.RAMLAN>dsregcmd.exe /status
+-----+
| Device State |
+-----+
AzureAdJoined : YES
EnterpriseJoined : NO
DomainJoined : YES
DomainName : RAMLAN
```

Just sharing the information, if it is of any use to anybody.

Thanks

Ram Lan
1st Oct 2020