

# Network Teaming Setup Instruction on Latest Windows 10 Update

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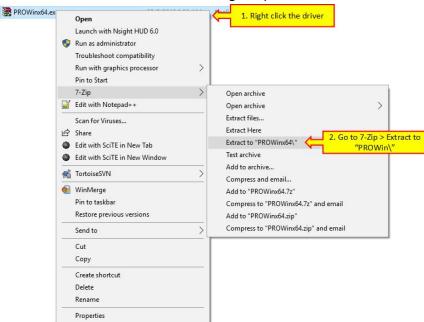
#### Introduction

Network Teaming configuration of Intel PROWin network driver version 23.2.0 is not working accordingly on latest Windows 10 update from version 1809 above. After complete teaming configuration, the teamed network remain disable and the teamed network connection is down. To solve this teaming issue, new Intel PROWin driver is required and teaming method using Windows PowerShell command



# Intel PROWin installation Step

- 1. Go to "https://downloadcenter.intel.com/product/36773/Ethernet-Products" and download latest driver "Intel® Network Adapter Driver for Windows® 10"
- Copy and paste "PROWinx64.exe" Intel PROWin drive in C:\
- 3. Extract Intel PROWin driver using 7Zip

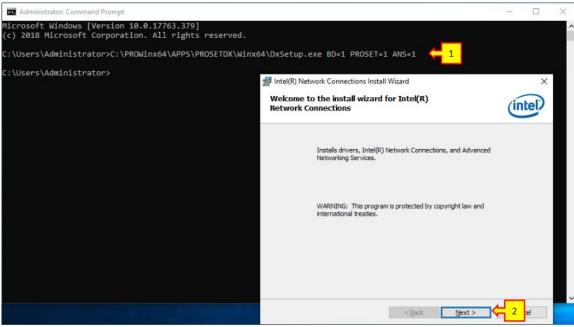


Run Command Prompt as administrator

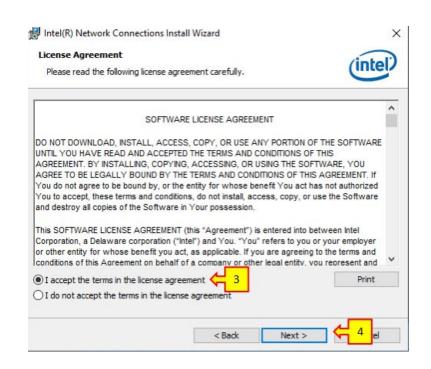


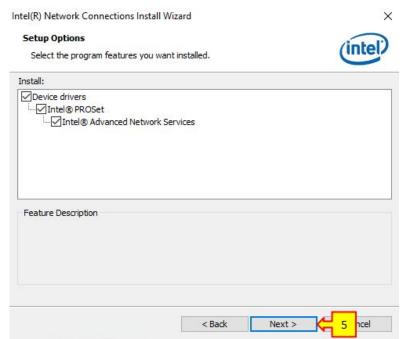
# Intel ProWin installation Step

4. Enter "C:\PROWinx64\APPS\PROSETDX\Winx64\DxSetup.exe BD=1 PROSET=1 ANS=1" to install

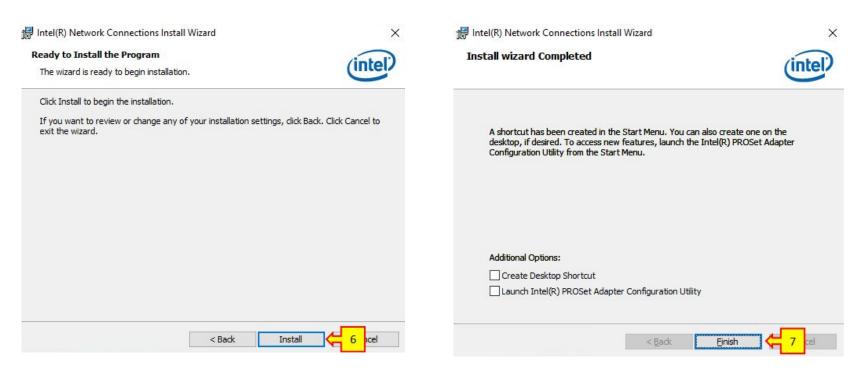


# Intel ProWin installation Step





# Intel ProWin installation Step



5. Reboot the system to complete the Intel PROWin Installation

# Teaming Configure Step

- Run Windows PowerShell as administrator
- 2. Enter "Import-Module -Name "C:\Program Files\Intel\Wired Networking\IntelNetCmdlets\IntelNetCmdlets"" to Import Intel driver file for network teaming

```
PS C:\WINDOWS\system32> Import-Module -Name "C:\Program Files\Intel\Wired Networking\IntelNetCmdlets\IntelNetCmdlets"
```

3. Enter "Get-IntelNetAdapter" in Windows PowerShell to get network adapter name

```
PS C:\Users\Administrator> Get-IntelNetAdapter
Location
                                                                               ConnectionName
                                                                                                         LinkStatus
129:0:0:0
                Intel(R) Ethernet Server Adapter X520-2
129:0:1:0
                Intel(R) Ethernet Server Adapter X520-2 #2
130:0:0:0
               Intel(R) I350 Gigabit Network Connection #5
                                                                              CPU2 SLOT7 PCI-... Port 1 Not
                                                                                                                     Netwok port from same
                                                                              CPU2 SLOT7 PCI-... Port 2
130:0:1:0
               Intel(R) I350 Gigabit Network Connection
130:0:2:0
               Intel(R) I350 Gigabit Network Connection #6
                                                                              CPU2 SLOT7 PCI-... Port
                                                                                                                     dedicated network card
               Intel(R) I350 Gigabit Network Connection #3
130:0:3:0
                                                                               CPU2 SLOT7 PCI-...
               Intel(R) I350 Gigabit Network Connection #2
3:0:0:0
                                                                               OnBoard LAN 1
                                                                                                         1.00 GDDS ...
                Intel(R) I350 Gigabit Network Connection #4
3:0:1:0
                                                                               OnBoard LAN 2
                                                                                                         100.00 Mbp...
```

# Teaming Configure Step

4. Please follow the teaming command as below for network teaming (Remark: Network name may different on each server.)

New-IntelNetTeam
Intel(R) I350 Gigabit Network Connection
Intel(R) I350 Gigabit Network Connection #3
Intel(R) I350 Gigabit Network Connection #5
Intel(R) I350 Gigabit Network Connection #6
[Enter]
StaticLinkAggregation
SingleServer

```
PS C:\Users\Administrator> New-IntelNetTeam
cmdlet New-IntelNetTeam at command pipeline position 1
Supply values for the following parameters:
TeamMemberNames[0]: Intel(R) I350 Gigabit Network Connection
TeamMemberNames[1]: Intel(R) I350 Gigabit Network Connection #3
TeamMemberNames[2]: Intel(R) I350 Gigabit Network Connection #5
TeamMemberNames[3]: Intel(R) I350 Gigabit Network Connection #6
TeamMemberNames[4]:
TeamMode: StaticLinkAggregation
TeamName: SingleServer
TeamName
                 : TEAM: SingleServer
                 : (Intel(R) I350 Gigabit Network Connection, Intel(R) I350 Gigabit Network Connection #6, Intel(R)
                   I350 Gigabit Network Connection #3, Intel(R) I350 Gigabit Network Connection #5)
                 : StaticLinkAggregation
PrimaryAdapter
                : NotSet
SecondaryAdapter : NotSet
```

# Teaming Configure Step

Enter "Get-IntelNetTeam" to check the team network

- 5. Reboot the system to complete the network teaming configuration
- 6. If require to remove teamed network, Please Enter "Remove-IntelNetTeam -TeamName "TEAM: SingleServer""

```
PS C:\Users\Administrator> Remove-IntelNetTeam -TeamName "TEAM: SingleServer"
PS C:\Users\Administrator> __
```

#### Jumbo Frame (MTU) Configure Step

- Run Windows PowerShell as administrator
- 2. Enter "netsh interface ipv4 show subinterface" to show current network adapter MTU setting

```
PS C:\Users\Administrator> netsh interface ipv4 show subinterface

MTU MediaSenseState Bytes In Bytes Out Interface

4294967295 1 0 7965 Loopback Pseudo-Interface 1
1500 1 97426994 20520481 PSP EBLE
1500 5 0 0 Slot03 2
1500 5 0 0 192.168.128.60
```

3. Enter " netsh interface ipv4 set subinterface "192.168.128.60" mtu=3814 store=persistent " to change selected network adapter MTU setting

```
PS C:\Users\Administrator> netsh interface ipv4 set subinterface "192.168.128.60" mtu=3814 store=persistent Ok.
```

4. To verify the changes, enter "netsh interface ipv4 show subinterface" to show current network adapter MTU setting

```
PS C:\Users\Administrator> netsh interface ipv4 show subinterface

MTU MediaSenseState Bytes In Bytes Out Interface

4294967295 1 0 7965 Loopback Pseudo-Interface 1
1500 1 98059533 20781230 PSP EBLE
1500 5 0 0 Slot03 2
3814 5 0 0 192.168.128.60
```

#### Thank You