

Changing lananumber in Windows 8 / 10

Aloha requires communication thru a NIC (Network Interface Card) which has its LANANUMBER set to '0'. In Windows 8 or 10, it is not possible to use the lanacfg.exe tool like in the previous versions of Windows. You can run lanacfg.exe, but the outcome will be blank.

Please follow the following steps to edit the LANANUMBER of the desired NIC:

2. Finding the SettingID for your NIC:

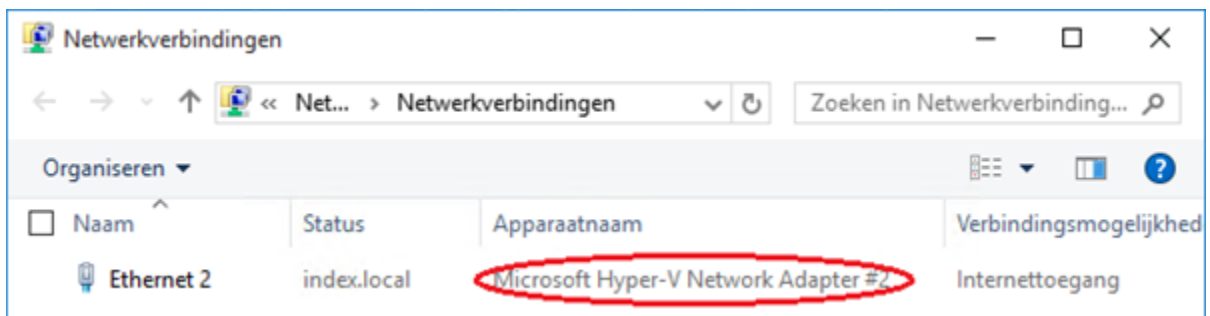
- Open CMD and typ the following: **'WMIC nicconfig get description, SettingID [press enter]'**
- The screenshot shows the returned data:

```
Administrator: Opdrachtprompt

C:\Users\aloha>WMIC nicconfig get description, SettingID
Description                                SettingID
Microsoft Hyper-V Network Adapter         {EC5254AA-5109-4620-B897-BE62D08109B4}
Microsoft Kernel Debug Network Adapter    {9A48EB09-C97A-4A47-AD05-737063886D88}
Microsoft ISATAP Adapter                   {396CC895-082E-4167-B3DF-2449D8F248DE}
Microsoft Hyper-V Network Adapter #2      {AB6C8FE2-CC64-45D3-8885-6708851CC5F5}

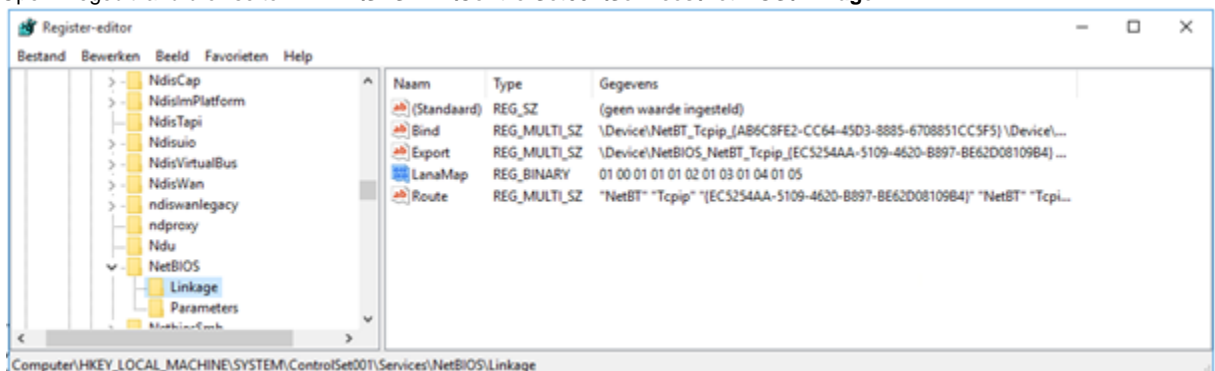
C:\Users\aloha>
```

- Match the SettingID to the NIC you would like to use. In this example, I will be using **'Microsoft Hyper-V Network Adapter #2'**.



2. Reading the registry:

- Open 'Regedit' and browse to: **'HKLM\SYSTEM\ControlSet001\Services\NetBIOS\Linkage'**



- Check **'LanaMap'**, you will see a numeric value displayed. The value should be read as followed:
Every 'pair of two' stores some settings for a NIC.
NIC1 is ACTIVE [01] and has LANANUMBER 0 [00], NIC2 is ACTIVE [01] and has LANANUMBER 1 [01], etc.

01	00	01	01	01	02	01	03	01	04	01	05
ACTIVE	LANA	ACTIVE	LANA	ACTIVE	LANA	ACTIVE	LANA	ACTIVE	LANA	ACTIVE	LANA
NIC1		NIC2		NIC3		NIC4		NIC5		NIC6	

- Rightclick on **'Bind'** and choose 'edit'. The values you have seen in LanaMap apply to the order you see in **'Bind'**.

Waarde met meerdere tekenreeksen bewerken

Waardenaam:
Bind

Waardegegevens:

- \Device\NetBT_Tcpip_{EC5254AA-5109-4620-B897-BE62D081} → **NIC1**
- \Device\NetBT_Tcpip6_{EC5254AA-5109-4620-B897-BE62D08} → **NIC2**
- \Device\NetBT_Tcpip6_{396CC895-082E-4167-B3DF-2449D8F} → **NIC3**
- \Device\NetBT_Tcpip_{9A48EB09-C97A-4A47-AD05-737063B8} → **NIC4**
- \Device\NetBT_Tcpip6_{9A48EB09-C97A-4A47-AD05-737063B} → **NIC5**
- \Device\NetBT_Tcpip_{AB6C8FE2-CC64-45D3-8885-6708851C} → **NIC6**

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- If you match the SettingID to the NIC we looked up in the first step, you will see that our NIC is 6th in row. According to the LanaMap, our NIC is ACTIVE and has LANANUMBER 5.

3. Editing the registry:

Don't forget to make a backup of the Registry before editing!

There are two ways to change the LANANUMBER of our NIC.

- In the 'Bind' window, you can set our NIC (6th) on the top row.
- Change the LanaMap, set NIC1 to LANANUMBER 05 and NIC6 to LANANUMBER 00:

01	05	01	01	01	02	01	03	01	04	01	00
ACTIVE	LANA	ACTIVE	LANA	ACTIVE	LANA	ACTIVE	LANA	ACTIVE	LANA	ACTIVE	LANA
NIC1		NIC2		NIC3		NIC4		NIC5		NIC6	

Restart your machine for the changes to become effective.