

1. MS SQL license key achterhalen

Deze handleiding legt uit hoe je een license key van MS SQL 2016, 2017, 2019 en mogelijk nieuwere versies kan achterhalen.

Voe onderstaande script uit in powershell, **MSVERSION** moet wel aangepast worden en mogelijk **MSSQLSERVER** als niet de default wordt gebruikt.

2016 = MSSQL13

2017 = MSSQL14

2019 = MSSQL15

```
function GetSqlServerProductKey($InstanceName="MSVERSION.MSSQLSERVER") {
    $localmachine = [Microsoft.Win32.RegistryHive]::LocalMachine
    $defaultview = [Microsoft.Win32.RegistryView]::Default
    $reg = [Microsoft.Win32.RegistryKey]::OpenBaseKey($localmachine, $defaultview)
    $key = "SOFTWARE\Microsoft\Microsoft SQL Server\$InstanceName\Setup"
    $encodedData = $reg.OpenSubKey($key).GetValue("DigitalProductID")
    $reg.Close()

    try {
        $binArray = ($encodedData)[0..66]
        $productKey = $null

        $charsArray = "B", "C", "D", "F", "G", "H", "J", "K", "M", "P", "Q", "R", "T", "V", "W", "X", "Y", "2", "3",
            "4", "6", "7", "8", "9"

        $isNKey = ([math]::truncate($binArray[14] / 0x6) -band 0x1) -ne 0;
        if ($isNKey) {
            $binArray[14] = $binArray[14] -band 0xF7
        }

        $last = 0

        for ($i = 24; $i -ge 0; $i--) {
            $k = 0
            for ($j = 14; $j -ge 0; $j--) {
                $k = $k * 256 -bxor $binArray[$j]
                $binArray[$j] = [math]::truncate($k / 24)
                $k = $k % 24
            }
            $productKey = $charsArray[$k] + $productKey
            $last = $k
        }

        if ($isNKey) {
            $part1 = $productKey.Substring(1, $last)
            $part2 = $productKey.Substring(1, $productKey.Length-1)
            if ($last -eq 0) {
                $productKey = "N" + $part2
            }
            else {
                $productKey = $part2.Insert($part2.IndexOf($part1) + $part1.Length, "N")
            }
        }

        $productKey = $productKey.Insert(20, "-").Insert(15, "-").Insert(10, "-").Insert(5, "-")
    }
}
```

Windows

```
catch {  
$productkey = "Cannot decode product key."  
}
```

```
$productKey  
}
```

GetSqlServerProductKey

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