|  |
| --- |
| **JDN Standards – WOL Synology** |

Introduction 1

Wake On Lan 1

Script 1

Import-Module 2

Wake-up 2

# Introduction

This document provides guide lines how to power on the synology NAS when there are powered off. We use PowerShell and WOL (Wake On Lan).

You must have the mac-address of LAN4.

# Wake On Lan

## Script

Create a new ps1 (Send-WOL.ps1) file on the MGMT.

Copy this script to the new ps1 file.

function Send-WOL

{

<#

.SYNOPSIS

Send a WOL packet to a broadcast address

.PARAMETER mac

The MAC address of the device that need to wake up

.PARAMETER ip

The IP address where the WOL packet will be sent to

.EXAMPLE

Send-WOL -mac 00:11:32:21:2D:11 -ip 192.168.8.255

#>

[CmdletBinding()]

param(

[Parameter(Mandatory=$True,Position=1)]

[string]$mac,

[string]$ip="255.255.255.255",

[int]$port=9

)

$broadcast = [Net.IPAddress]::Parse($ip)

$mac=(($mac.replace(":","")).replace("-","")).replace(".","")

$target=0,2,4,6,8,10 | % {[convert]::ToByte($mac.substring($\_,2),16)}

$packet = (,[byte]255 \* 6) + ($target \* 16)

$UDPclient = new-Object System.Net.Sockets.UdpClient

$UDPclient.Connect($broadcast,$port)

[void]$UDPclient.Send($packet, 102)

}

## Import-Module

Open PowerShell and import the new script.



## Wake-up

The script takes a mac address either separated with ":" or "-" (the typical format), or separated by "." (the Cisco format), or no separator (the lazy format :P )

Send-WOL -mac 00:11:32:21:2D:11

Send-WOL -mac 00-11-32-21-2D-11

Send-WOL -mac 0011.3221.2D11

Send-WOL -mac 001132212D11

