

# Configuration du NTP

## Network Time Protocol

### Introduction

Pour effectuer une synchronisation NTP, il faut tout d'abord que le switch puisse aller sur internet

```
switch>ena
switch#conf t
switch(config)#interface vlan1
switch(config-if)#ip address 192.168.1.200 255.255.255.0
switch(config-if)#exit
switch(config)#ip default-gateway 192.168.1.1
switch(config)#ip name-server 192.168.1.1
switch(config)#exit
switch#
```

### Passons à la configuration du NTP

```
switch#
switch#conf t
switch(config)#ntp server 194.2.0.28 prefer
switch(config)#ntp server 194.2.0.58
switch(config)#clock timezone GMT+1 1
switch(config)#exit
switch#
```

194.2.0.28 et 194.2.0.58 sont les NTP de Orange Business Services

`switch(config)#clock timezone GMT+1 1` Le fuseau horaire GMT+1 Paris suivi de l'offset +1h

### Configuration heure d'été/hiver

```
switch(config)#clock summer-time GMT+2 recurring last Sun Mar 3:00 last Sun Oct 3:00
```

# Vérification

```
Switch#show ntp status
```

```
Clock is synchronized, stratum 2, reference is 194.2.0.28
```

```
nominal freq is 250.0000 Hz, actual freq is 250.0000 Hz, precision is 2**18
```

```
reference time is DC63A7AF.C4F5B5D8 (19:28:31:769 GMT Sun Sep 26 2021)
```

```
clock offset is 0.9588 msec, peer dispersion is 0.08 msec
```

```
Switch#show clock detail
```

```
19:29:41.513 GMT Sun Sep 26 2021
```

```
Time source is NTP
```

```
Switch#show clock
```

```
.19:30:00.251 GMT Sun Sep 26 2021
```

Le switch est maintenant à l'heure

## Il est aussi possible de régler l'heure et la date à la main

```
switch#clock set 20:30:00 21 feb 2021
```

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