

NTP

- Client meinberg (Windows)
- Meinberg

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Installation du last exe stable [Meinberg NTP Software Downloads \(meinbergglobal.com\)](http://meinbergglobal.com)

1. Check the box and enable "Create an initial configuration file with the following settings:

Network Time Protocol Setup: Configuration Options

Files have been installed
Please specify your configuration settings

Configuration File Settings

Location of configuration file:
C:\Program Files (x86)\NTP\etc\ntp.conf

☒ Create an initial configuration file with the following settings:

Want to use predefined public NTP servers (see www.pool.ntp.org)? Choose
None

You can specify up to 9 NTP servers (comma separated) you want to use:
10.221.88.20

☒ Use fast initial sync mode (iburst)

☒ Add local clock as a last resort reference, Stratum: 12

Nullsoft Install System v2.46

< Back Next > Cancel

Definir l'ip du NTP

Recupere le fichier conf

Meinberg

Cette article est divisé en 3 parties :

1. Configuration FROM SCRATCH
2. Import configuration
3. Reset Configuration

Brancher le port management au pc

Se connecter à l'adresse ip obtenu en dhcp via le navigateur web.

Utiliser les logins par défaut « root » et mdp « timeserver »

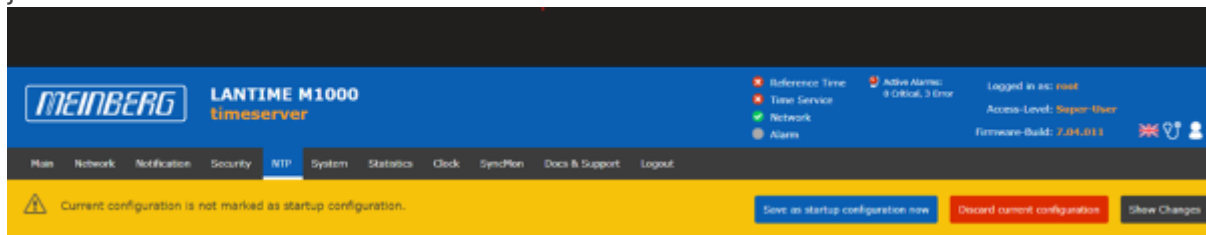
Une fois connecté aller dans **Network / Network Interfaces** et définir l'adresse ip, sa gateway et son mask.

The screenshot shows the LANTIME - Network configuration interface. The top navigation bar includes links for Main, Network, Notification, Security, NTP, System, Statistics, Clock, SyncMon, Docs & Support, and Logout. The main heading is "LANTIME - Network". Below this, there are several expandable sections: Main Network Information, Default Gateways, Network Services, Physical Network Configuration, and Network Interfaces (which is currently expanded). Under Network Interfaces, there is a green "Add Interface" button. Below that, the configuration for "Interface 01 - lan0:0" is shown. It includes tabs for IPv4, IPv6, Misc, VLAN, and Cluster. The IPv4 tab is active, showing fields for TCP/IP address (212.59), Netmask (255.255.255.224), and Gateway (212.60). There is also a checkbox for "Enable DHCP-Client" which is currently unchecked.

Remonté dans main Network information et définir le hostname

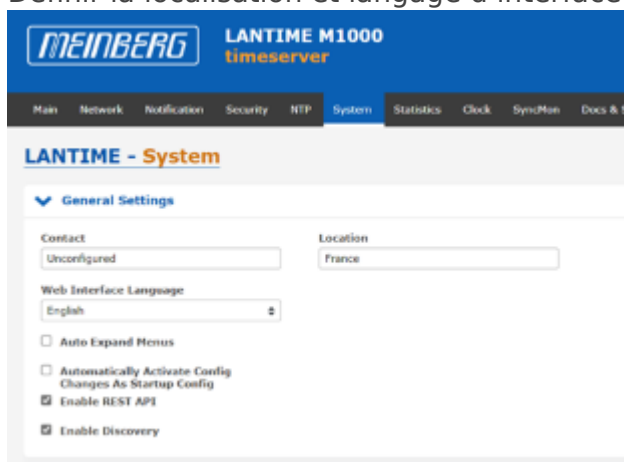
The screenshot shows the LANTIME - Network configuration interface, specifically the "Main Network Information" section. The top navigation bar is the same as in the previous screenshot. The main heading is "LANTIME - Network". Below this, the "Main Network Information" section is expanded, showing fields for Hostname, Domain, Nameserver 1, and Nameserver 2. The Hostname field is currently empty, and the Domain field is also empty. The Nameserver 1 and Nameserver 2 fields are also empty.

Sauvegarder la configuration et valider le startup configuration comme demandé dans le bandeau jaune ci-dessous.

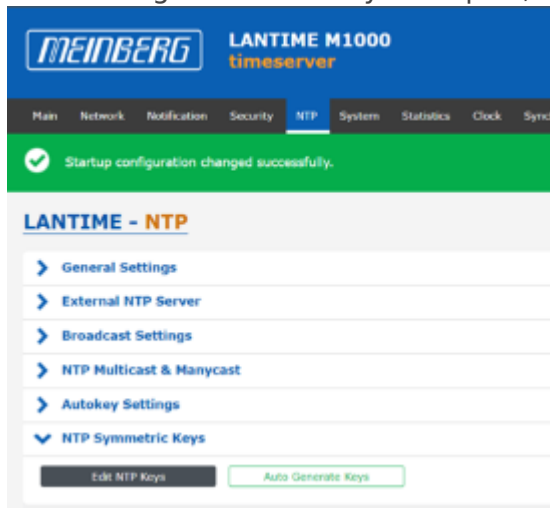


Brancher le ntp à son port switch et se connecter à la nouvelle adresse ip pour continuer les modifications.

Definir la localisation et langage d'interface préféré dans system / General Settings.



Pour Configurer les clés symétriques, aller dans [NTP / NTP Symmetric Keys / Edit NTP Keys](#)

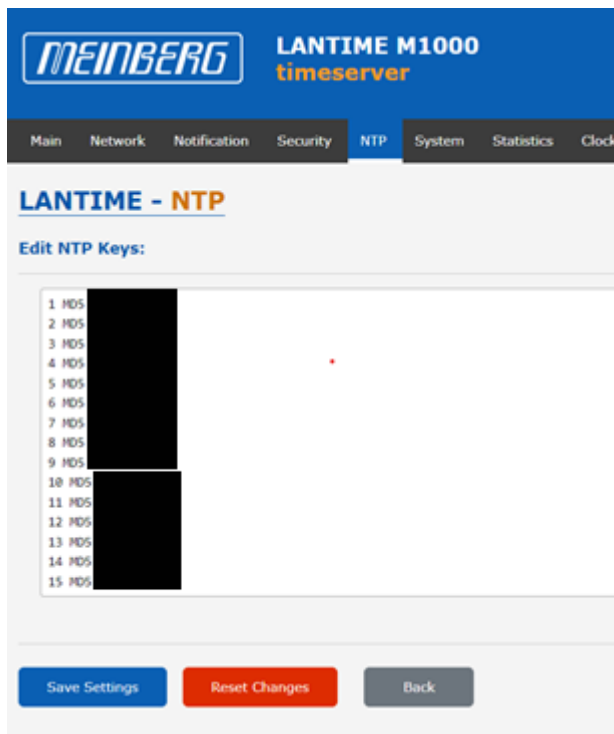


Une fois dans Edit NTP KEYS définir :

KEY ID = XXX

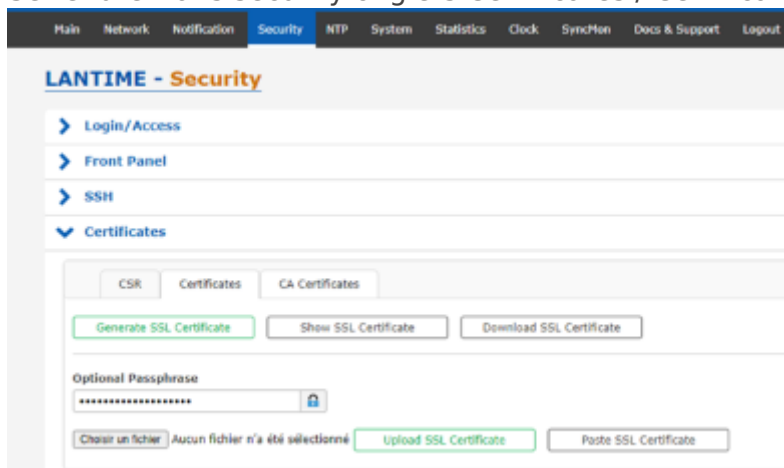
TYPE = MD5 / SHA1

KEY = MOT DE PASSE SOUHAITE

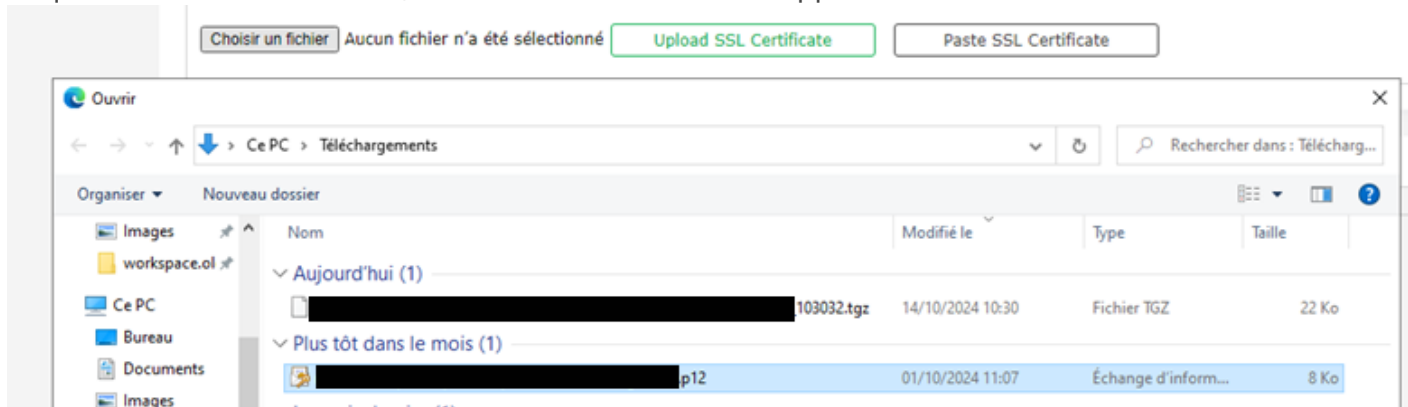


Sauvegarder les changements

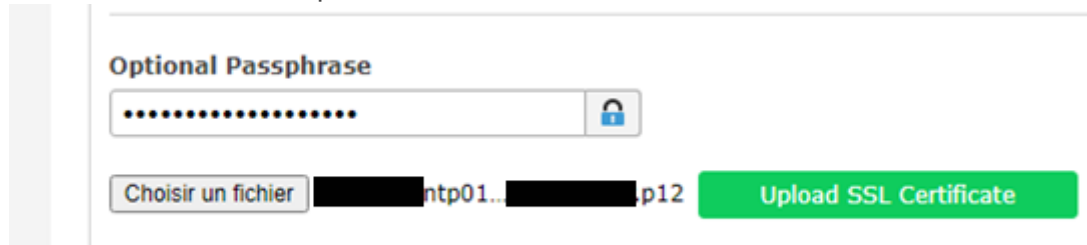
Se rendre Dans security onglets Certificates / Certificates



Cliquer sur choisir un fichier, et choisir le certificat en rapport



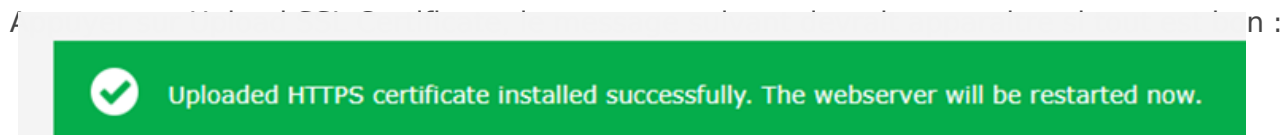
Puis définir le mot de passe du certificats



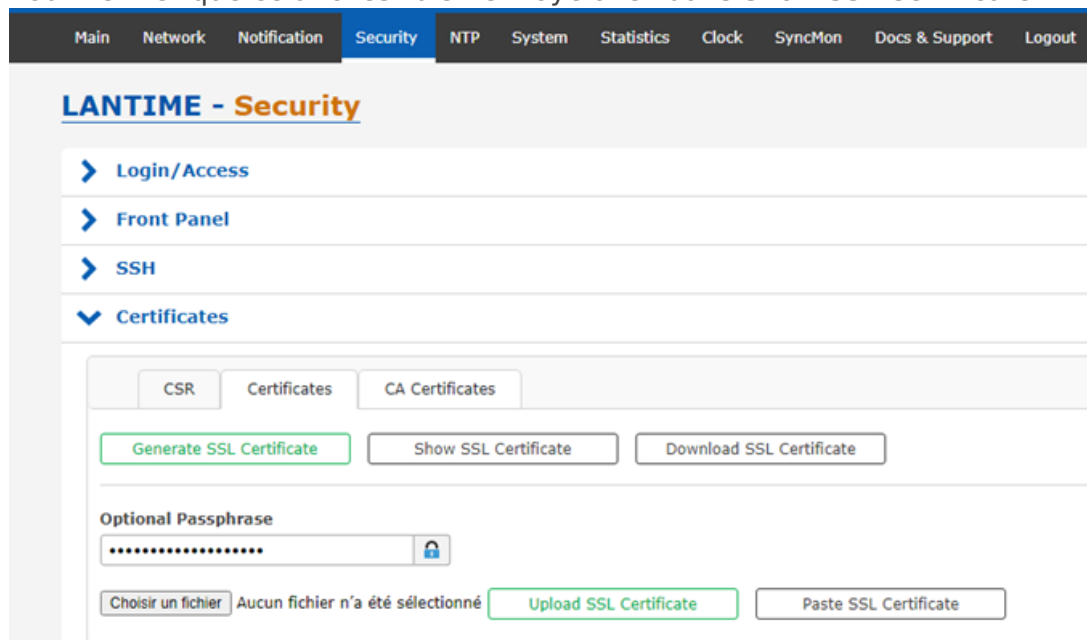
Optional Passphrase

.....

Choisir un fichier ntp01...p12 Upload SSL Certificate



Pour verifier que celui-ci est bien envoyé allez dans Show SSL Certificate



Main Network Notification Security NTP System Statistics Clock SyncMon Docs & Support Logout

LANTIME - Security

> Login/Access

> Front Panel

> SSH

▼ Certificates

CSR Certificates CA Certificates

Generate SSL Certificate Show SSL Certificate Download SSL Certificate

Optional Passphrase

.....

Choisir un fichier Aucun fichier n'a été sélectionné Upload SSL Certificate Paste SSL Certificate

Show SSL Certificate:

Certificate information:

Certificate:

Date:

Version: 3 (0xc2)

Serial Number: [REDACTED]

Signature Algorithm: [REDACTED]

Issuer: [REDACTED]

Validity

Not Before: [REDACTED]

Not After: [REDACTED]

Subject: [REDACTED]

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

[Back](#)

Aller dans NTP / General Settings puis définir les paramètres suivant :

Stratum : 2

Local Trusted keys : toute les keys nécessaires aux équipements.

LANTIME - NTP

▼ **General Settings**

Stratum Level When Unsynchronized

2

☐ Disable Stratum Change

NTP Trusttime MRS

4 Days

Local Trusted Keys

1 2 3 4 5

☐ Enable Autokey

Aller dans NTP / Broadcast Settings puis définir les paramètres suivant :

Broadcast Address 1: IP du NTP

Symmetric Key: Les clefs utilisés

▼ **Broadcast Settings**

Broadcast Address 1

Broadcast Interval 8 Seconds

Symmetric Key ☐ Use Autokey

Sauvegarder et Valider la sauvegarde au démarrage.

Aller dans Clock / State & Configuration / Timezone
Définir le paramètre sur UTC 0 / UTC

The screenshot shows the 'LANTIME - Clock' interface. At the top is a navigation bar with links: Main, Network, Notification, Security, NTP, System, Statistics, Clock (highlighted), SyncMon, Docs & Support, and Logout. Below the navigation bar is the title 'LANTIME - Clock'. Underneath is a section titled 'State & Configuration' with a dropdown arrow. The main content area is titled 'GPS Clock [CLK1 - Sync to OSC]:'. To the right of this title are three buttons: 'MRS State', 'MRS-Settings', and 'IRI'. Below these buttons are two more buttons: 'Time Zone' and 'Enable Outputs'. The 'Time Zone' button is selected. Below the buttons is a dropdown menu for 'Time Zone for External Outputs' showing '(UTC+1) - CET/CEST'. Below the dropdown is a red text link: 'Edit the time zone table in the display section of the system page. (Link)'.

Pour modifier l'utilisateur

The screenshot shows the 'LANTIME - System' interface. At the top is a navigation bar with links: Main, Network, Notification, Security, NTP, System (highlighted). Below the navigation bar is the title 'LANTIME - System'. Underneath is a section titled 'User Management' with a dropdown arrow. Below this section are three buttons: 'General Settings', 'Services and Functions', and 'User Administration'. The 'User Administration' button is selected.

gagement puis cliquer

sur User Administration

Changer le mot de passe par défaut du root et/ou créé un utilisateur

MainNetworkNotificationSecurityNTPSystemStatisticsClockSyncMonDocs & Settings

LANTIME - System

User Administration

▼ Change Current User Password

New Password

Confirm Password

Change Password

▼ Create User

User Name

Group Membership

Super-User

Password

Confirm Password

Create User

IMPORT CONFIG

Allez dans système onglets Configuration & Firmware Management

▼ Configuration & Firmware Management

Configuration Management

Save Current Configuration As:

Save

Upload Configuration:

Choisir un fichier

Aucun fichier n'a été sélectionné

Upload

Available Configurations

Options

startup

Activate

Delete

Download

Firmware Management

Running Firmware

OSV

Scheduled Firmware

OSV

Available Firmware Files

Version

Type

Options

OSV (Original Shipped Version)

7.04.011

Activate

Delete

Cliquer sur Choisir un fichier et sélectionner le tgz pour importer la config

Nouveau dossier							
	Nom	Modifié le	Type	Taille			
Aujourd'hui (1)							
	lt_backup_config_startup_20241014_103032.tgz	14/10/2024 10:30	Fichier TGZ	22 Ko			

Une fois sélectionner appuyer sur Upload, le fichier devrait apparaitre dans les configurations available puis appuyer sur activate pour charger la configuration

Available Configurations			Options		
startup			Activate	Delete	Download
lt_backup_config_startup_20241014_103032			Activate	Delete	Download

LANTIME - System

✓

Configuration uploaded successfully

>

General Settings

Réinitialisation du NTP

Allez dans System / Services and Functions puis cliquer sur Reset Factory Defaults

LANTIME - System

>

General Settings

▼

Services and Functions

Reboot Device

Reset Factory Defaults

Download SNMP MIB

Send Test Notifications

Resend Current Error Conditions

Save NTP Drift File

Reset Error Relay

Manual Configuration

Activate Physical Identification

Rescan Refclocks

NIC Manager

Le message suivant apparait appuyer sur OK le ntp execute sa réinitialisation

