

Managing the Configuration

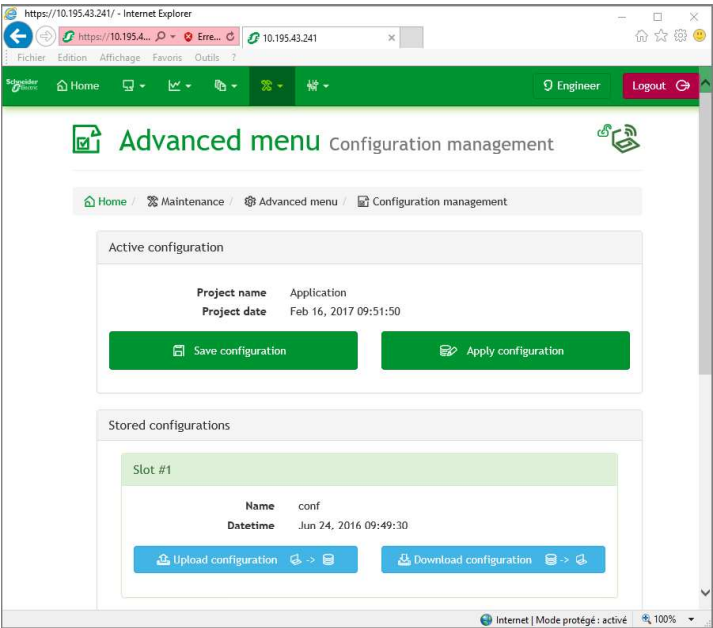
What’s in This Chapter

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The Web server is used to manage the T300 configuration based on files stored locally in the HU250 memory or saved externally on a backup device (hard disk, etc.).

Configuration Page

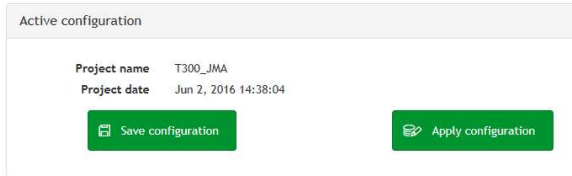
Access via **Maintenance > Configuration** page.



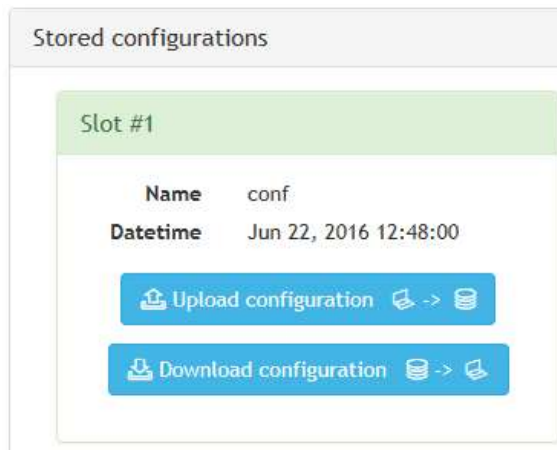
The configuration management page includes two distinct sections:

- One section for managing the **active configuration** of the T300 that can be saved in one of the HU250 memory slots (3 separate slots). It is also possible to overwrite this active configuration and replace it with a configuration already saved in one of these slots or with one saved externally, on a PC, for instance.

The project name and date indicated in the **Active configuration** section correspond to the name given to the project and either the date the configuration was created or the date it was last modified in Easergy Builder.



- One section for managing the **stored configurations** that are saved in the memory (slots). It is possible to download each configuration stored in one of these slots to a PC or to replace them with another configuration saved previously as an external file, on a PC, for instance.



The name and date indicated for each slot correspond to the name given to each backup and the date this backup was executed.

The T300 configuration uploaded into the product or saved externally is a compressed **.tar.gz** file type.

This file contains the entire equipment configuration, excluding the user parameters and RBAC access rights, which are stored in the rights management tool (CAE).

The file also contains the system parameters (IP address, modem parameters, etc.), and a copy of the K7 Zigbee internal memory.

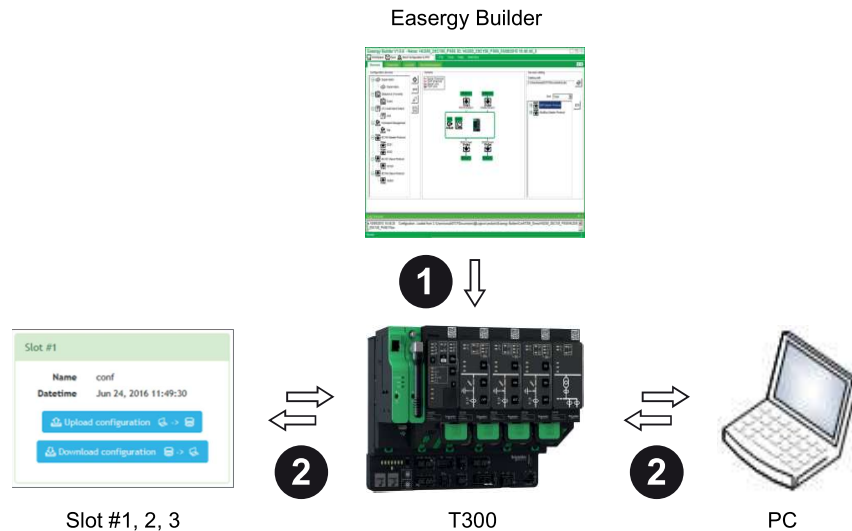
NOTE: It is possible to create a configuration file in Easergy Builder without integrating these system parameters for the purposes of importing into another device with the same application program configuration without overwriting the device system parameters.

Configuration Principle

The initial configuration is factory-loaded into the T300 before delivery. This configuration includes the equipment specifications and options. The delivered T300 therefore includes a default configuration adapted to the equipment's operating requirements.

This initial configuration then needs to be adapted. This is what is known as the engineering phase and should be completed in Easergy Builder to carry out the following operations:

- Configure the SCADA protocol addresses
- Configure device synchronization
- Configure the SOE
- etc.



1. Initial loading
2. Save/Restore

Once the configuration has been finalized, it is simply uploaded to the T300 via Easergy Builder or saved to PC as a backup file for subsequent import into the T300 via the Web server.

Refer to the Quick Start Guide for more information on these configuration operations and how to upload/save the configuration via Easergy Builder.

On commissioning, the configuration then needs to be customized via the Web server menus to define the application program parameters associated with communication, modems, fault current detection, switchgear monitoring, etc.

Once these parameters have been set, the configuration should be saved in the device memory (slot) and to an external backup device, or imported into Easergy Builder to create an archive.

These saved configuration files are compatible with Easergy Builder and can be imported and stored in the tool.

Before any changes are made to the SC150/SC160 configuration, it is recommended that a restore point is systematically created, i.e. that the current T300 configuration is saved before being stored to create a configuration archive.

For security reasons, it is advisable to regularly back up the active configuration to an external device, in addition to the local backups in the memory slots. An external backup can be used to retain the configuration even if the HU250 module is replaced.

Saving the Configuration

Saving the Active Configuration

Save configuration From active configuration to your device

Your device

Slot #1
conf
Jun 22, 2016 12:48:00

Slot #2
conf
May 17, 2016 16:35:01

Slot #3
conf
May 17, 2016 16:35:40

Name: conf

Save Cancel

Proceed as follows to save the active configuration:

- Click **Save configuration** button to open the window.
- Define a name for the backup ("conf" proposed by default), then select the destination for the file by clicking one of the following:
 - **Your device:** Saves the configuration to an external backup device (e.g. hard disk, etc.). A *.tar.gz compressed configuration file will be automatically saved to the PC in the normal location for web browser downloads.
 - **Slot #1, #2, or #3:** Saves the configuration in slots 1, 2, or 3. The date and name of the backup in the slot will be updated with the current date and time once the backup is complete.
- Click **Save** button to start the backup. A progress bar indicates the stage of progress.
- For a backup in one of the slots, the current date and time as well as the backup file name are updated in the slot once the save is complete.
- The backup is complete.

Saving a Stored Configuration

Stored configurations

Slot #1

Name	conf
Datetime	Jun 22, 2016 12:48:00

Upload configuration

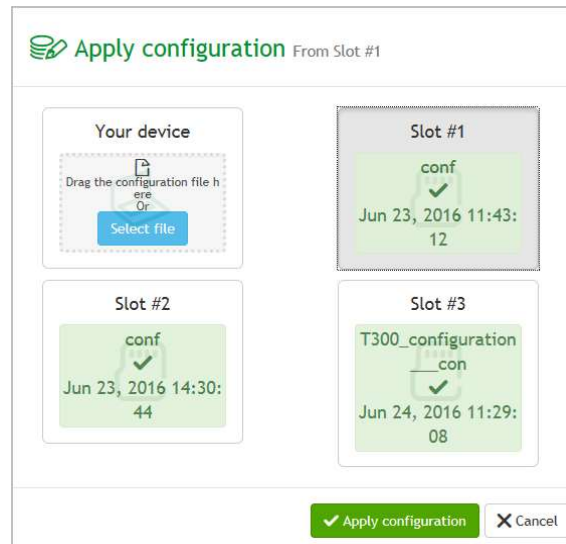
Download configuration

Proceed as follows to save a configuration stored in one of the slots to PC:

- Click the **Download configuration** button for the slot from which you want to download the configuration.
- A *.tar.gz compressed configuration file is automatically saved to the PC in the normal location for web browser downloads.
- The backup is complete.

Uploading the Configuration

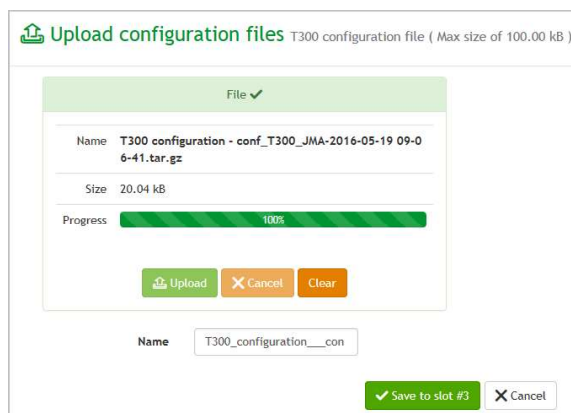
Uploading into the Active Configuration



Proceed as follows to replace the active configuration with a stored configuration:

- Click the **Apply configuration** button to open the **Apply configuration** window.
- Select the backup file source by clicking on one of the following:
 - **Your device:** Uploads the configuration from an external backup device (e.g. hard disk, etc.). Click **Select file** button, then select the corresponding configuration file from the PC or drag and drop the file onto the *Drag the configuration file here* section of the screen. This compressed file with a *.tar.gz extension must be available on the PC connected to the Web server.
 - **Slot #1, #2, or #3:** Uploads the configuration directly from slot 1, 2, or 3.
- Click **Apply configuration** button to start uploading the configuration. A progress bar indicates the upload progress.
- Once the upload is complete, the T300 is automatically rebooted. Re-enter the username and password to access the T300 Web server.
- The configuration upload is complete.

Uploading into a Slot



Upload configuration files T300 configuration file (Max size of 100.00 kB)

File ✓

Name T300 configuration - conf_T300_JMA-2016-05-19 09-06-41.tar.gz

Size 20.04 kB

Progress 100%

Upload Cancel Clear

Name T300_configuration___con

Save to slot #3 Cancel

Proceed as follows to upload a previously saved configuration from the PC into one of the slots:

- Click **Upload configuration** button to open the Upload configuration files window.
- Click **Select file** button then select the corresponding configuration file from the PC or drag and drop the file onto the *Drag the configuration file here* section of the screen. This compressed file with a **.tar.gz** extension must be available on the PC connected to the Web server.
- Click **Upload** button to start uploading the file. A progress bar indicates the upload progress:
- Click **Save to slot #3** button to confirm the save to the selected slot. A progress bar indicates the progress of the save to slot operation:
- The date and name of the backup are updated in the slot once the save is complete.
- The configuration upload is complete.