

# NG-Gateway – Tutorial 4

## Sending historical data through FTP or FTPS servers

### 1. Introduction

After performing the NG-Gateway device storage configuration procedure in data logger mode, it is possible to configure the NG-Gateway to send historical data files to a FTP or FTPS server.

NG-Gateway will send an XML file containing historical data for every configured device. The forwarding will occur once a day, and since the system will perform three attempts, you need to set, for each one of them, a time in the daily schedule. If every attempts fails, the forwarding will be scheduled for the next day. During the next forwarding attempt, in case of success, the system will attach to every file not yet forwarded.

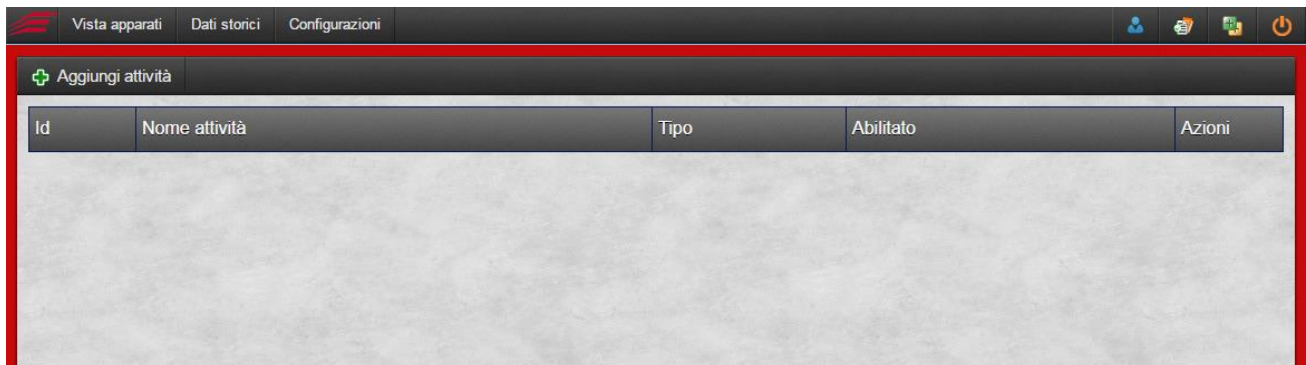
NG-Gateway can send files toward FTP and FTPS servers only if can be reached from its position inside the network in LAN or Wi-Fi mode. When GSM/GPRS option is enabled, you need to check signal strength and quality as well as SIM card traffic condition.

Select *Scheduler* from the *Configurations* drop down menu.

### 2. Scheduled task configuration

On the *scheduler* page, you will find the scheduled task summary chart.

This chart summarized scheduled task of basic parameters:



Vista apparati	Dati storici	Configurazioni				
+ Aggiungi attività						
Id	Nome attività	Tipo	Abilitato	Azioni		

- In the ID field there is the identification number assigned to the device;
- the *task name* area shows the name assigned to the task by the user;
- Type indicates the type of scheduled task;
- The *Enabled* field shows current operational state;
- *Action* indicates all available actions for the selected task; these actions will only work if the task is properly configured;

Click on *Add task* and select *Next* to confirm.

Invio giornaliero ftp

Nome

Abilitato

Note

Server

Porta

Utente

Password

Protocollo

Formato file

Prefisso persistenza

Max giorni per sessione



Tentativo 1

Tentativo 2

Tentativo 3

- In the name field insert a name for the new task;
- Select the desired option from the *enable* drop down menu; if you need to interrupt the activity for maintenance operation (or any other reason), select *NO*;
- In the *Note* field, you can write any extra information about the task;
- In the *Server* field insert the destination server's IP address or Host name;
- In the *port* field insert the destination TCP port;
- In the *user* and *password* fields you need to insert server login credentials;
- From *protocol* menu choose between FTP or FTPS;
- Select from the *File format* drop down menu the favorite type of file; default setting is ET1, a format file developed by Energy Team, which helps reducing file size; select xml for most cases;
- In the *Persistence prefix* field you can insert a custom ID number to the task;
- In the *Max day for session* area, you can insert the maximum number of daily files the NG-Gateway can forward in a single session;
- Insert in the *Attempt 1,2 and 3* fields the time schedule for the three forwarding attempts.

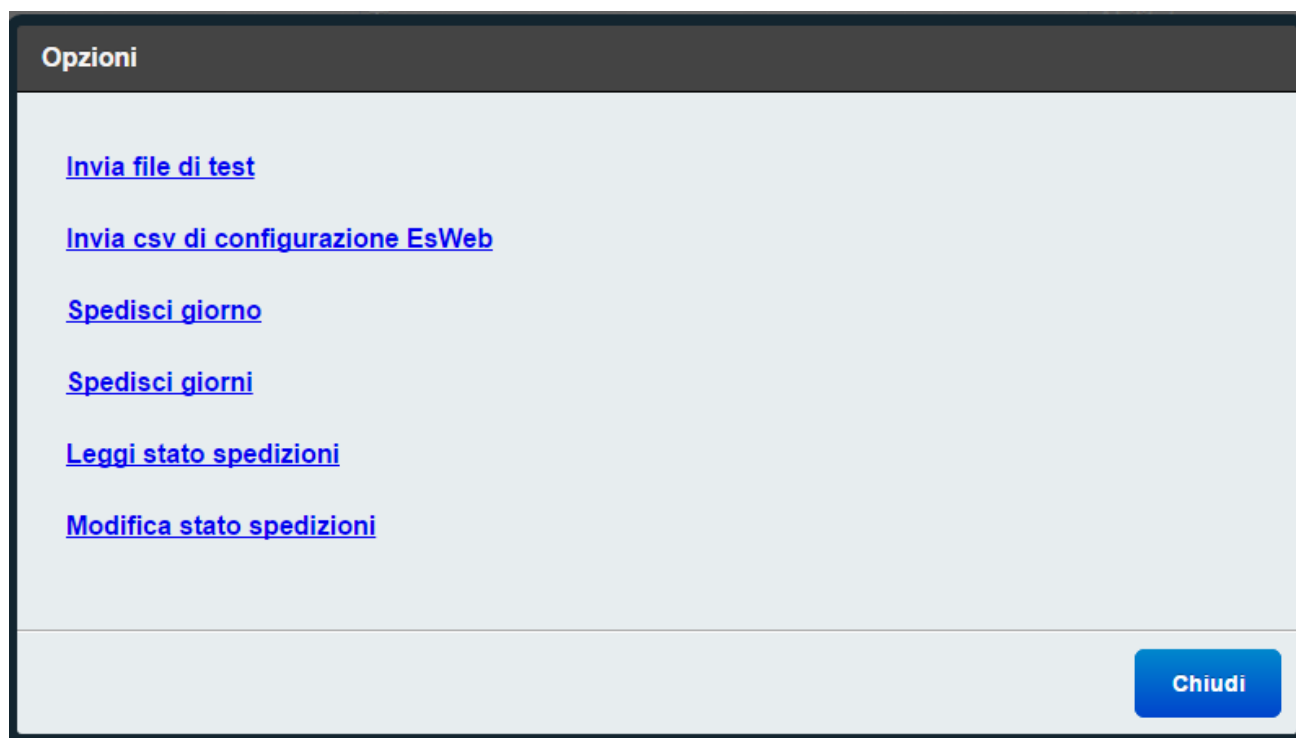
Click *save* to validate the configuration.

+ Aggiungi attività				
Id	Nome attività	Tipo	Abilitato	Azioni
2	test	Invio giornaliero ftp	Si	  

After the scheduled task is created, some available actions will appear in the specific area.

Click on the trash can icon to eliminate the selected task.

Clicking on the double arrow icon, will pop up a new window containing a list of functions available for the selected task. These functions will work only if the task is properly configured and the destination server is reachable.



- Click on *Send test file* to enable the sending of a test file to the designated FTP server. NG-Gateway will send a CSV file containing the list of all channels stored in the unit;
- click on *Send Esweb configuration csv*, will make NG-Gateway send a CSV file that can be imported into Energy Team Esweb software to replicate the device tree configuration;
- *Send day* allows sending files from a specific day chosen from a scheduler to the destination server;
- *Send days*, allows sending a files from specific amount of days chosen from a scheduler to the destination server;
- *Read send status* shows data for the following sending;
- *Write send status* will open a scheduler to select a new day for the next data sending;

Once the configuration of the scheduled task is complete, it is advisable to perform at least once *Send test file* action in order to verify the connection with the destination server.