



PI Replication Manager v1.0.0 User Manual





1. VERSIONING AND CONTROL VALIDATION

VERSIONING HISTORY

| Version | AUTHOR | REVISION | Date |
|---------|-------------------------|--------------|------------|
| 1.0 | Romain Castagné (CGI) | First review | 2022-06-17 |
| 1.0 | Anthony Sabathier (CPY) | CPY review | 2022-07-01 |
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VALIDATION

| Version | Name | Date |
|---------|------|------|
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3. USER GUIDE

This document intends to provide the necessary information and specificities required to use the software "PI Replication Tool". This application primary goal is to help replicate tags from a PI source server to a PI target server.

This document describes the replication with a known list of tag and the replication of all exhaustive tags from a site to a base. It has to be updated whenever necessary. The most frequent updates would occur when undertaking projects.





4. PREREQUISITE

The following software components must be installed before application is deployed on target machine:

| Component | Version |
|-------------------------------|------------|
| Framework .NET | 4.8 |
| PI AF Client 2018 SP3 Patch 3 | 2.10.9.593 |





5. INSTALLATION

5.1. Download application

First, download latest release from GitHub repository.

https://github.com/total-sa/PI-Replication-Tool/releases

5.2. Deploy application

Copy archive file on the target machine (usually target PI Data Archive) in the folder you want to run the tool from and extract all files in it. (7z files to be extracted using 7-Zip software)

Edit the configuration file in .\Application\PI-Replication-Tool.exe.config, especially input/output folders to match their actual paths.

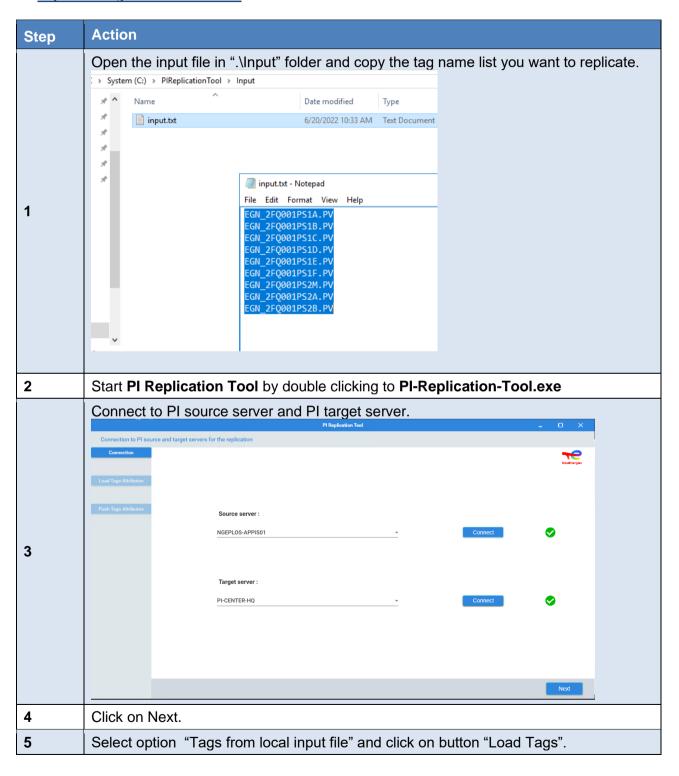
Note: Whenever application folder is being moved, make sure you adapt the configuration file accordingly.





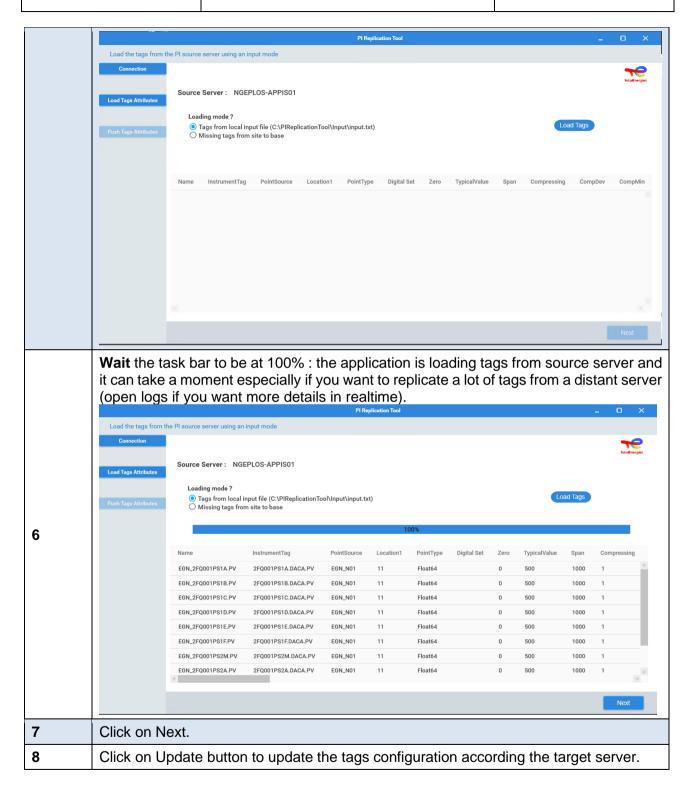
6. USE CASE

6.1. Replicate tags with their name



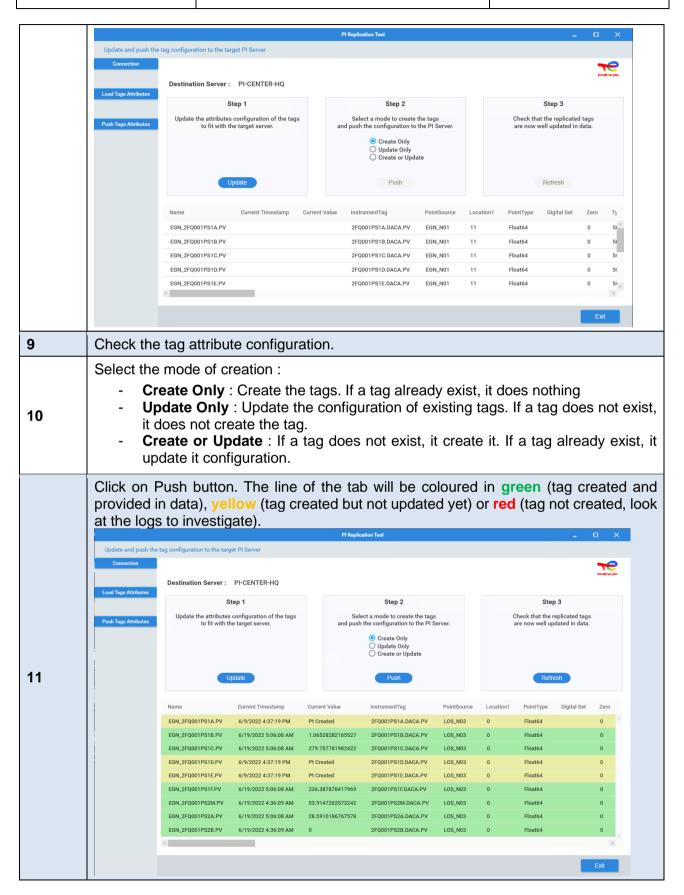
















| | Click on refresh to update the tab until all the line are green (wait the acquisition of data). |
|----|---|
| 12 | NB: If a tag stay in Yellow at the end despite waiting a long time, check that the PltoPl interface used for the points are running and OK (check point source to know this information). If the interface is running well, the issue can be deeper in the data acquisition: check that the point is well provided in data in the source server, and if not please contact HQ support or affiliate correspondant to resolve the issues. |
| 13 | Click on Exit to close the application. |

6.2. Replicate missings tags from a site to a base

With PI Replication Tool, you can replicate tags which are not already replicated from a site to a base server. To do so, follow the steps in "6.1. Replicate tags with their name" with the following adjustments:

- Ignore step 1.
- Step 5 : Select option "Missing tag from site to base" instead.
- Step 10 : Always select "create only" option.