



Resource Working Time Import – Antura Integration Standard

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Background

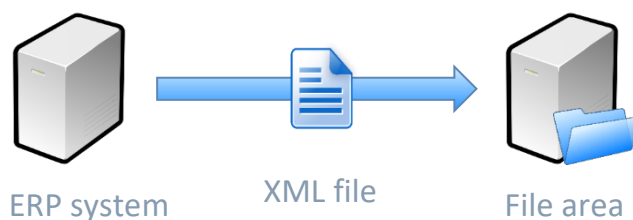
Antura offers its customers to import project information into Antura using Antura Integration Standard. Integration Standard are a kind of add-on products that are continuously updated, in a similar way to Antura, where customers who license them can choose when they want to upgrade to a new version. Unlike custom integrations, Antura Integration Standard are offered to the entire Antura customer base and thus also driven forward by the same.

Technical description

Data is transferred from the customer's ERP system to Antura via XML files. The files have a fixed format that is described in this document. The file is delivered to a file area which Antura monitors. Antura will read the file(s) that is available each day. The file must be uploaded to the file area before a specific time each day to be imported. The time is configurable in the configuration file. By default, the import starts at 01:00 every night.

Files can either be uploaded manually or automatically to the file area.

In the case where Antura is hosted by Antura, an FTPS (or SFTP) account is set up to enable customer access to the file area.



File format

The input to the imports is read from **XML files**. Antura provides the customer with XML examples and associated XSD files. XSD customization is not allowed.

The names of the files do not matter; as long as the files follow the current XSD for integration, and use "UTF-8" as character encoding.

The file should be delivered to Antura according to the following example (.xml):

```
<?xml version="1.0" encoding="UTF-8"?>
<resourceWorkingTimesImportFile>
  <resourceWorkingTimes>
    <resourceWorkingTime>
      <userLogin>ANTURA\anderi</userLogin>
      <date>2019-05-01</date>
      <workingTimeReference>123</workingTimeReference>
    </resourceWorkingTime>
    <resourceWorkingTime>
      <userLogin>ANTURA\kaland</userLogin>
      <date>2019-04-01</date>
      <workingTimeReference>456</workingTimeReference>
    </resourceWorkingTime>
    <resourceWorkingTime>
      <userLogin>ANTURA\perknu</userLogin>
      <date>2019-07-01</date>
      <workingTimeReference>123</workingTimeReference>
    </resourceWorkingTime>
    <resourceWorkingTime>
      <userLogin>ANTURA\perknu</userLogin>
      <date>2019-08-01</date>
      <workingTimeReference>789</workingTimeReference>
    </resourceWorkingTime>
  </resourceWorkingTimes>
</resourceWorkingTimesImportFile>
```

Comment: Each item should start with <resourceWorkingTime> and end with </resourceWorkingTime>.

Mapping fields in the file

XML file fields	Customer system	Fields in Antura	Example	Mandatory	Comment
userLogin			johnDoe	Yes	Username in Antura
date			2019-05-29	Yes	YYYY-MM-DD Date from which working time should apply.
workingTimeReference			789	Yes	Working time reference in Antura

Table 1: Mapping fields in the file.

User matching

The identification of users to whom the working time belongs is done through the username and must therefore be the same in the XLM file as in Antura.

Users who are in the file but are marked as "deleted" in Antura will not get new working times imported.

Information is only imported if the username can be associated with a user. If no users are found in Antura, the item is not imported.

Deletion strategy

At the start of every import the integration can delete previously imported working hours. A deletion strategy can be applied to correct previously imported working times.

From the earliest date in the import file, per user

The integration will find the earliest date in the file per user and delete previously imported working time from this date and forward. The integration will then import the working times from the import file.

From a specific date, specified in the configuration of the integration

Deletion of all previously imported working time for all users in the system, starting from a fixed date specified in a configuration file on the server where Antura is hosted.

No deletion

No deletion strategy will be applied. In case a working time is registered for the current user and date already, the working time will be updated.

The logic for new dates follows the same rules as if they were added with Antura Project's user interface.

Error management

In connection with an import, the following reports can be sent. The reports are sent to one or more predefined email addresses.

Reconciliation report

The reconciliation report shows the overall status of the import.

Error report

The error report shows usernames for the items in the import file that could not be matched with users in Antura.

This report is only sent if errors occur.

Error report for unexpected errors

If an unexpected error occurs during the import, it will be interrupted. The time that has been imported will remain loaded and the items that have not yet been imported will not be read again from the file.

The mail sent contains no details. Troubleshooting takes place with Antura's support.

This mail is sent, for example, if the format of the import file is not correct, if any required fields are missing, or if other unexpected errors occur.

Prerequisites (for internal installation)

Configuration

Comments	Value
One or more email address that will be recipient for reports, separate email with semicolon	
First line in email reports	CUSTOMER NAME [Test]
Send email report even if no errors occurred	True/False
Language for email reports (English: true, Swedish: false)	True/False
Culture to use when parsing decimal amounts ("en-US" for dot decimal separator or "sv-SE" for comma decimal separator)	en-US/sv-SE
Format to use when parsing dates	yyyy-MM-dd

Deletion strategy: NoDeletion,
DeleteFromEarliestDateInFilePerUser (recommended),
DeleteFromFixedDatePerFile

Optional configuration

First date of deletion when using deletion strategy
"FromFixedDate"

Encoding for import files (default UTF-8)

For internal installation

- The folder where the import file is to be read must exist and be configured during installation.
- The folder where the import file is to be read must be unique and not used by any other import.
- The system account (application pool user) running Antura must have write permissions in the folder where the import file is added.

Other

- The import file will be archived after the completed import.
- The integration is built against the latest available version of Antura when the development starts.