

Batch import of multiple documents using API

Last Modified on 2023/10/09

V5.7.0, provides the ability to import multiple documents in a batch using API.

To use this functionality a zip file is created that contains:

- the data files
- a manifest.json file
- one or more configuration files, if templates are not being used

The Manifest.json contents will:

- indicate it is a batch import job
- provide the data file names
- specify either a template code which exists in the system or a config file – to be used for each data file
- provides the sequence in which the data files are to be imported.

Manifest.json example

```
{
  "Type": "BatchImport",
  "Files": [
    {
      "Config": "Config1.json",
      "Data": "Invoices1.csv",
      "Sequence": 1
    },
    {
      "Config": "Config2.json",
      "Data": "Data1.csv",
      "Sequence": 3
    },
    {
      "Template": "Template code",
      "Data": "Invoices2.csv",
      "Sequence": 2
    }
  ]
}
```

RunAt

The API should accept a RunAt parameter, which indicates the execution time of the first job.

Examples for this parameter are:

(assuming the job service is running within the NZ timezone)

- UTC format: A new job with RunAt string is "2023-7-11T00:00:00Z", the job will be created with run at time 2023-7-11 13:00:00 NZDT
- With timezone: A new job with RunAt string is "2023-7-11T13:00:00+13:00", the job will be created with run at time 2023-7-11 13:00:00 NZDT
- No timezone: A new job with RunAt string is "2023-7-11 00:00:00", the job will be created with run at time 2023-7-11 13:00:00 NZDT
- If no time is specified i.e. DateTime.MinDate then use DateTime.Now

Note

- If the zip file contains files additional to the ones referenced in the manifest.json, the additional files will be ignored.
 - If the zip file is missing files referenced in the manifest.json, the import will fail and will report the fail reason as a file mismatch.
 - If there are multiple entries with the same sequence number, those files will be imported in the natural order as they are in the manifest.json
 - The manifest.json must have the type as "BatchImport", "Config" (and/or "Template") and "Data" must be present, if "Sequence" is not set the import will be in the natural order as they are listed in the manifest.json.
 - Multiple entries pointing to the same data file or the same config file are allowed, but the combination of "Data" and "Config" should be unique within the same batch. If there is a duplicate, the import will not fail, but a warning message is created and the duplicate entry is ignored.
 - "Template" must be the code of a valid template that exists in the system. If the template is missing, then the import will fail
 - If both "Template" and "Config" are specified, Config has higher priority.
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