

A professional woman with blonde hair, wearing a beige blazer over a striped shirt, is seated at a conference table. She is holding a white document and looking towards the camera with a slight smile. In the background, two other people are seated at the table, working on documents. The setting appears to be a modern office or meeting room with large windows.

USoft Product Information
USoft Batch Definer

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Batch Processing Driven by Business Rules

USoft Batch Definer

USoft Batch Definer completes the USoft development environment by covering the definition and execution of batch jobs. USoft Authorizer takes an easy-to-manage, exception-based approach to this problem. Right out of the box, everyone has full access to everything in the application.

Batch applications execute from the same set of constraints and definitions used by the USoft rules engine for online applications. As a result, there is no need to (re)program these checks in database loaders or in data manipulation programs. Permissions are set for user groups at table and column level. This allows you to fine-tune authorization where needed.

All jobs that involve manipulating and/or updating of data are automatically checked against the database constraints and business rules defined in the USoft repository, ensuring complete, consistent data integrity.

USoft Batch Server includes the following components:

- Batch Definer** - defines batch jobs for immediate or deferred processing.
- Batch Server** - initiates and monitors the execution of jobs.

A job consists of one or more tasks. USoft Batch Server enables developers and users to define, and run the following types of job tasks:

- **Action tasks** allow any of the standard USoft Developer actions to be called and decisions to be performed. Examples include printing exported data and starting external applications to process exported data.
- **Import tasks** use external data files to insert or update the data in USoft application tables. These tasks can be used to load backup data from other USoft applications, update a database with data from external applications, or convert data from different systems into one or more USoft applications.
- **Export tasks** write database information to external data files. Some examples are the export of data for use in external applications (e.g., spreadsheets, word processors, or desk-top publishing programs), the export of data for use in other USoft Developer applications and the creation of backup data files.
- **SQL tasks** manipulate data already stored in the database, such as consolidation of data during non-peak times, deletion of irrelevant data, or checking and updating the data in the database when table definitions or business rules have been altered to meet new business needs.
- **Job tasks** initiate the execution of other jobs. This means that previously defined jobs can be combined and nested as appropriate to meet specific processing requirements.

Features

- Integrated fully with the USoft technology platform and the USoft runtime rules engine.
- Project catalog to retrieve windows or batch objects.
- Defines, executes, and manages batch jobs.
- Checks all batch jobs automatically against the database constraints and business rules defined in USoft's runtime rules engine.
- Offers a full range of batch job tasks: action, import, export, SQL and job nesting.
- Supports high-volume, record manipulations, while maintaining database integrity.
- Enables automated data conversions and interfaces between applications.
- Supports import of XML files within batch jobs.

USoft Batch Definer At A Glance

- Batch processing with full data integrity control without the need to write code.
- Batch applications and online applications run from a single consistent set of specifications defined in the central USoft repository.
- Integrity checks do not have to be reprogrammed in database loader or data manipulation programs.
- Large database-intensive operations can be executed overnight, saving valuable time and resources during normal office hours.
- Speeds up application development and maintenance.
- Migrates legacy system data.