

# ESPBATCH FOR ADABAS & NATURAL RE-HOSTING



## Manage batch processes on Linux® and UNIX®

EspBatch effortlessly moves mainframe batch jobs and processes to Linux/UNIX, saving you time and resources when re-hosting your Adabas & Natural applications. EspBatch not only converts mainframe jobs, procedures and steps that instruct the system on how to run a batch job into a language understood by Linux/UNIX environments, it also provides a complete environment where you can execute, monitor and control batch processes on new platforms.

Mainframe application environments contain batch jobs that are controlled by Job Control Language (JCL) definitions or job scheduling systems such as CA® Workload Automation AE (formerly CA AutoSys) and BMC® Control-M. To provide the same level of batch control and management on Linux/UNIX, EspBatch converts mainframe JCL into Linux/UNIX Script Control Language (SCL) prior to run-time without requiring you to change your source program or script logic.

Natural Remote Job Entries (RJE) are also converted to make use of the SCL syntax.

EspBatch provides an easy-to-use interface where you can monitor, control, modify and manage existing and new batch jobs on Linux/UNIX.

For schedule automation and monitoring, add EspAuto to replace the mainframe job scheduler.

## Key benefits

- Move mainframe batch processes to more economical Linux/UNIX platforms
- Preserve mainframe job control logic by converting JCL to SCL
- Replaces mainframe Job Entry System (JES) and utilities
- Simplify the transition to Linux/UNIX by shielding developers from the complexity of scripting
- Proven to save time and costs when re-hosting Adabas & Natural applications

## Key highlights

- Seamless integration with Natural
- Automated JCL conversion
- Replacements for common mainframe tools and utilities
- Supports third-party tools for scheduling, sorting and printing
- Natural-based user-interface to monitor, control, modify and manage batch jobs
- Integrates with Linux/UNIX sort utilities such as CoSort and SyncSort

## Features

### Converts and stores JCL

EspBatch converts mainframe JCL and Natural RJE into SCL for Linux/UNIX. Special condition-code checking and JCL controls are converted to the EspBatch equivalent.

### Job submission

Submit and manage single-step or large multi-step job streams on Linux/UNIX as EspBatch replaces mainframe Time Sharing Option (TSO).

### Mainframe utility replacement

Automated conversion of IBM® mainframe utility programs, such as IEBGENER and IDCAMS, to an equivalent utility on Linux/UNIX.

### Natural-based user interface

Easily modify and maintain batch jobs with the EspBatch real-time management interface based on Natural.

### Automated shell-script generation

The generation of shell-scripts and return code validation are automated within EspBatch, reducing operator workload.

### Dynamic substitution

Dynamic parameter substitution is available at run-time.

### Third-party tool access

Use third-party schedulers, sort routines and print spoolers with Natural-based application program interfaces.

### Real-time tracking

Track batch tasks in real time with a number of online functions that display the current job status.

### Limit job classes

Limit the number of jobs running concurrently and control the operational times when a job class is available.

### Report routing

Reports can be routed to multiple destinations based on individual report attributes. For example, automatically convert reports to Adobe® PDF and deliver via email.

### Security

Security is provided at the function and option level and for SCL user libraries.

## Automated scheduling

Add EspAuto to EspBatch for automated scheduling. With EspAuto, you can set up and monitor complex batch processing schedules by making use of a range of user-friendly functions.

### Base calendar

Set up the specific day(s) that a job is allowed to run for a given year in the base calendar.

### Job dependencies

Define predecessors, triggers (successors) and job concurrency.

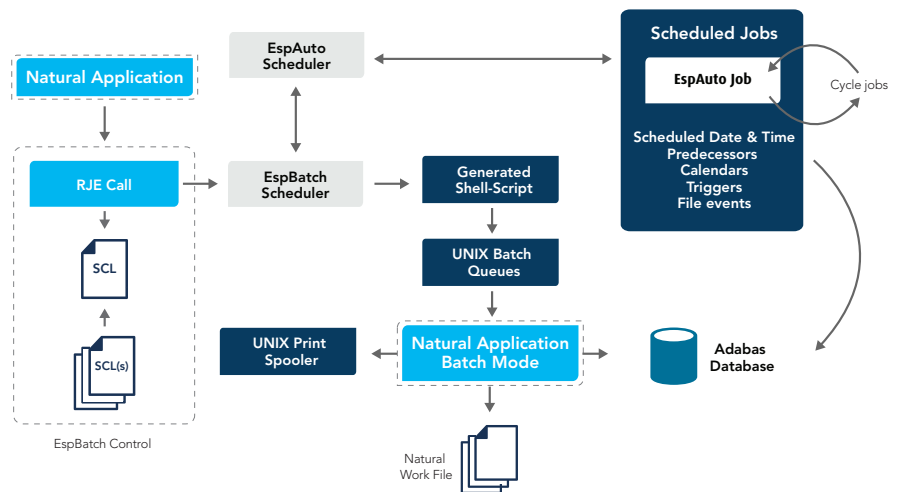
### Schedule ID

Define multiple schedules for a single batch job with the Schedule ID.

### Notifications

Set up notifications to take place when a job starts, aborts, auto restarts and/or when it is overdue. Deliver notifications via email or text. Interface directly with third-party products via user exit provided.

## Typical EspBatch/EspAuto Process



Implement, monitor and control batch processing on Linux or UNIX effortlessly with EspBatch and EspAuto.

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