



MultiBatch from ETI-NET

Digital Resilience and Modernization for HPE NonStop Workload Scheduling

Fully utilize and protect your HPE NonStop investment. MultiBatch provides comprehensive, streamlined, and effective user role management of your mission critical processing. MultiBatch can schedule anything from a regular file transfer through automating a site swap to controlling a complex multi-node batch run.

What is MultiBatch?

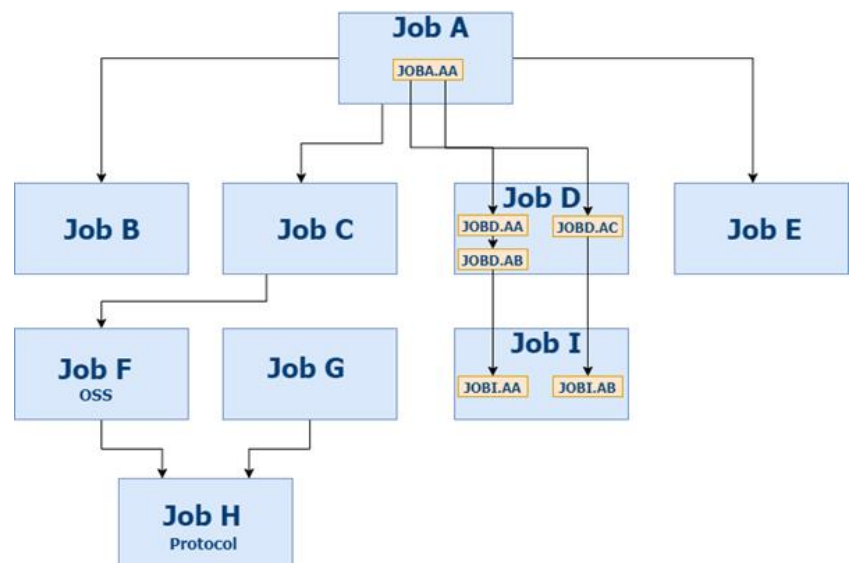
MultiBatch is a workload automation manager designed specifically for HPE NonStop, making best use of the fault tolerance and scalability features. It delivers best-in-class functionality for the demanding workload requirements of mission-critical systems by combining high-performance and parallel processing with enhanced operational control across your HPE NonStop nodes from a single interface.

In a world of continuous availability, protecting and streamlining HPE NonStop workload scheduling is paramount to maintaining continuous availability.

The MultiBatch Security System provides an integrated environment within which users, System Managers, Support personnel and System Operators can configure a multi-node and multi-schedule environment based on specified rights. MultiBatch provides the ability to model jobs and schedules so that they can be pre-configured, cloned and then run on demand.

Key programs run as process pairs and the schedule status is written to a TMF audited file as it progresses. The audit file can be replicated to another site where disaster recovery (DR) can be achieved with just a few commands.

MultiBatch configures and controls both Guardian and OSS processes. The deep functionality is equally applicable to both, with specific job setup screens provided for input of the parameters that apply to either operating environment. Key programs run as process pairs and the schedule status is written to a TMF audited file as it progresses. The audit file can be replicated to another site where disaster recovery (DR) can be achieved with just a few commands.



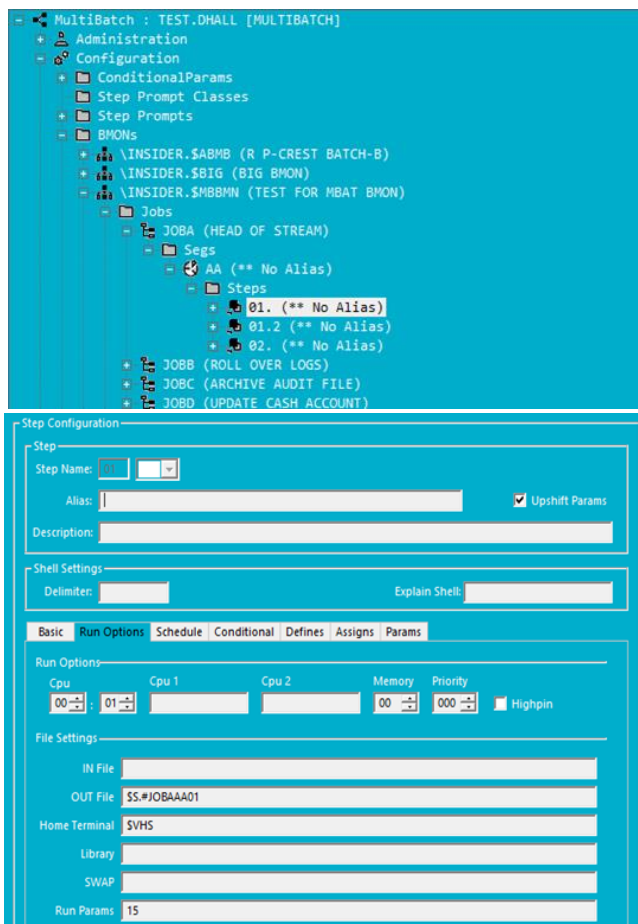
Different Staff, Different Requirements, Different Interfaces

MultiBatch includes two GUIs that provide significant ease of use advantages over traditional command line or block mode screens.

ADMIN GUI

The Admin GUI specifies what, how and when tasks are scheduled for processing. These are tasks that are generally highly secure and undertaken infrequently and at specific controlled times.

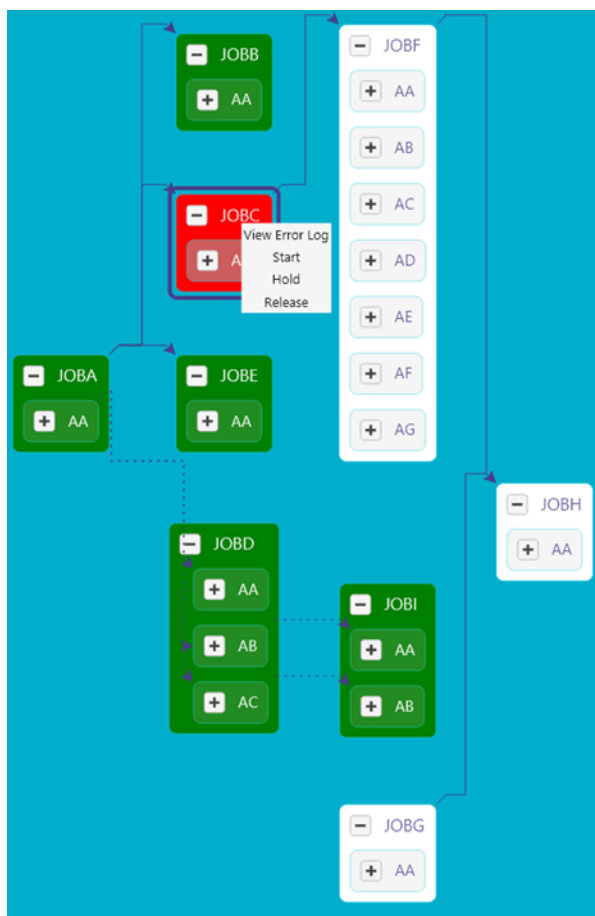
- User profile set-up
- Configuring jobs
- Set-up of calendars and timed processing
- Preparation of schedules and dependencies



OPS GUI

Operational control is more dynamic. It needs to be highly visual and is likely to be a focus 24/7. Specifically designed for those who may have less experience in a NonStop operational environment, it covers:

- Dynamic real time monitoring showing progress and identifying issues
- Processing status and overview
- Stopping, starting/restarting processes
- Error identification and interrogation



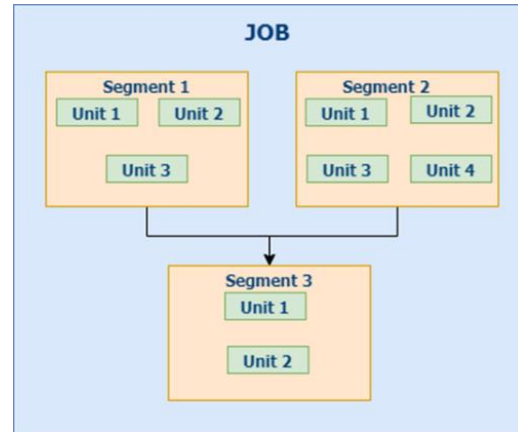
FEATURES

- Maintains a full audit trail of user actions and task runtime errors.
- Easy menu driven installation process, simple step-by-step guide, and defaults for all key fields.
- Unique job structuring allows tasks to be broken out to facilitate grouping, parallel processing, and dependencies.
- Job dependencies are centrally controlled and automatically adjusted to consider daily scheduling.
- Scheduling by job and within job by calendar, absolute dates, and group logic.
- Create model jobs, which users can clone, modify, and run on demand.
- Defines, assigns, parameters, file descriptors and environment variables can be grouped and re-used across jobs.
- The migration process allows central configuration to be installed across environments, complete with the necessary node, volume, and sub volume conversions.
- A comprehensive status database is maintained and displayed in real time. Failed processing is highlighted, act by drilling down to individual failed processes.
- Start time monitoring and alerts are raised if a job has not started by the prescribed time.
- Built-in DR Facility, the full monitor context can be replicated; workloads can resume from the point of failure.
- Optional tight integration with user jobs allows MultiBatch to monitor, maintain, and report job status and to facilitate restart after a failure.
- Deep parameterization for key configuration fields where tokens are substituted for values when a schedule is loaded.
- Comprehensive time-based scheduling with at, every and Unix-like CRON functionality.

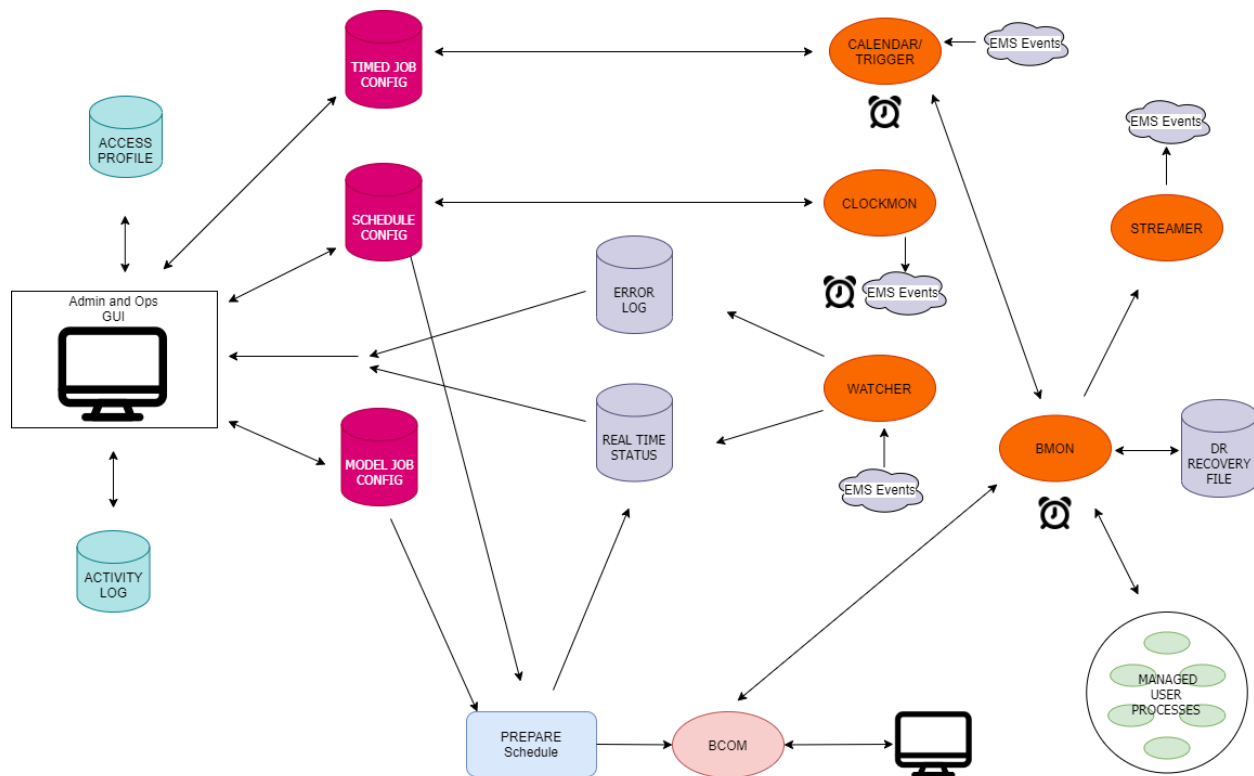


BENEFITS

- Separation of Administrative and Operational GUIs simplifies set-up, enhances, and secures operational control.
- Sophisticated and integrated job definitions. Jobs are run directly as defined in the configuration database without the need to write separate control scripts.
- A unique Job/Segment/Unit structure that facilitates both parallel processing and sophisticated process dependencies.
- Deep support for OSS processes. Specific support is included in the user interface and scheduler equally to that provided for Guardian processes.
- Job dependency logic managed centrally in the scheduler. There is no requirement to write specific job release logic. Job dependencies are automatically adjusted depending on the job set selected.



- Support for on demand processing in addition to supporting your traditional regular daily schedules. Pre-defined job templates are used as the basis for ad-hoc job processing.
- Active, customer driven roadmap ensures continuous investment and innovation.



SYSTEM & SOFTWARE REQUIREMENTS

HPE NonStop system running under L19.03, J06.22 or later versions.
MultiBatch requires the following products.

On L-series OS

SKU	Description
BE359AC	HPE NonStop TS/MP (ACS)
BE221AC	HPE NonStop COBOL85 Run Time Library

On J-series OS

SKU	Description
QSR78	HPE NonStop TS/MP (ACS)
QSB81	HPE NonStop COBOL85 Run Time Library