Re-host batch workloads and reduce IT complexity

Dell Batch Processing Environment software

Protect valuable batch investments by bringing the best aspects of mainframe job management and processing to cost-effective industry-standard systems
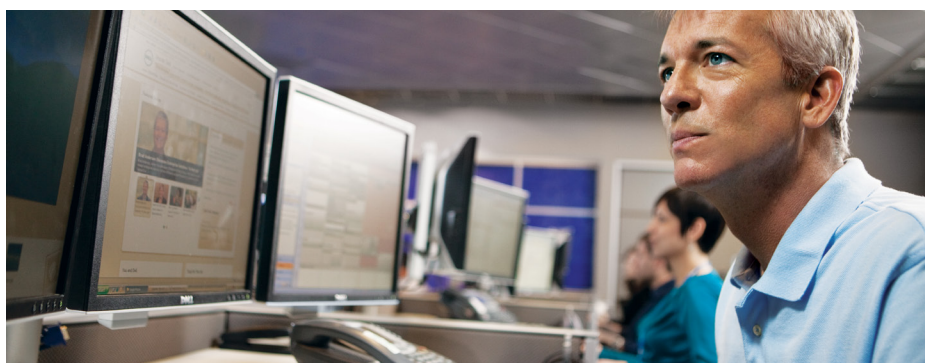
Robust mainframe batch execution on cost-effective open systems

Batch workloads address a large percentage of legacy application processing. With Dell™ Batch Processing Environment (BPE) software, you can protect existing application and data investments by bringing the best aspects of mainframe job management to cost-effective industry-standard systems. As a core component of Dell's mainframe re-hosting solution, Dell BPE rapidly migrates valuable batch application investments to open systems without excessive code change and complex integration requirements.

Evolutionary path forward

There's no need to re-implement complex batch processes and procedures when legacy workloads are re-hosted. Dell BPE software delivers affordable, efficient and highly manageable production environments with:

- Comprehensive Job Control Language (JCL) translators
- Pre-built integration with common mainframe and third-party batch utilities
- Native support for standard mainframe data file types

Compared to risky alternatives that re-implement business procedures and environmental variables, Dell BPE software replaces common JCL syntax on a one-for-one basis and offers you the choice of continuing to program in JCL syntax or translate JCL to scripts.

The migration facilities provided with Dell BPE software include IBM® z/OS® and IBM z/VSE® operating environment JCL translators. Jobs, job steps and procedure steps are maintained, along with support of common mainframe utilities like IDCAMS, IEBGENER and SORT.

Complete operational job control

Dell BPE software includes functionality for complete batch job execution. The software's GUI facilitates the ability to manage non-interactive jobs and allows

Key Benefits

- Comprehensive and dynamic Job Control Language (JCL) translation capabilities
- Supports job step management and recovery, priority classes, conditioned execution, job monitoring and more
- Provides native support for GDGs, sequential files and relational databases
- Integrates with industry-standard software and common IBM utilities, such as IDCAMS, IEBGENER and SORT
- Includes GUI-based job editor

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actions such as:

- Monitoring active jobs and job classes
- Listing specific job status and execution reports
- Submitting jobs
- Canceling and suspending jobs that are in execution
- Saving configurations

Jobs can be designated in specific job classes and assigned priorities within a job class. Specific jobs or procedure steps can also be restarted.

Robust, flexible administration

Dell BPE software enables you to define, configure and administer systems using Dell™ Batch Processing Environment Manager. With Dell BPE Manager, you can configure databases (VSAM and relational), define security, specify accounting criteria, create job classes, configure a batch console and set many other attributes associated with the Dell BPE software environment.

With Dell BPE, batch programs can be managed and scheduled according to specific configuration parameters such as start time and job priority. You can assign or change job attributes, and determine the current status of a job. You can also create and manage multiple batch nodes and subsystems when separate environments are required, such as for individual production and test regions.
A GUI file editor allows you to intuitively add, modify or delete file entries and attributes. The editor also allows you to create and edit jobs using a point-and-click interface.

Native support for mainframe data types

Dell BPE software supports standard mainframe data file types such as VSAM files (KSDS, RRDS and ESDS), sequential files, generation data groups (GDGs) and concatenated data sets. This support enables applications accessing these

legacy file formats to be migrated rapidly to open systems with minimal change. By preserving data file iterations instead of collecting information into one large file, Dell BPE minimizes disk space consumption and compute cycle requirements on the new target platform. Dell BPE technology also supports leading relational databases such as IBM DB2® (LUW), Oracle® database and Microsoft SQL Server, as well as Adabas from Software AG.

Addressing the complete picture

A large percentage of mainframe batch workload processing time involves interacting with common utilities such as IDCAMS, IEBGENER and IEBCOPY — in addition to third-party solutions such as sort utilities, job schedulers and print spoolers. With built-in integration for both tightly and loosely coupled application utilities, Dell BPE software automates a large portion of the integration efforts commonly associated with migrating batch environments to open systems. Dell BPE software allows administrators to integrate their preferred middleware components, forming a complete software solution for supporting business logic and minimizing risk.

Remote job submission

Dell BPE software provides a remote job submission facility where you can submit IBM z/OS or z/VSE jobs via FTP

transfer from a mainframe or open systems server. Once the FTP transfer is complete, Dell BPE software automatically translates and submits jobs for execution.

Configuration import facility

In order to simplify the upgrade process for new software releases and movement of processes between nodes, the configuration import facility allows administrators to import existing subsystems from other nodes.
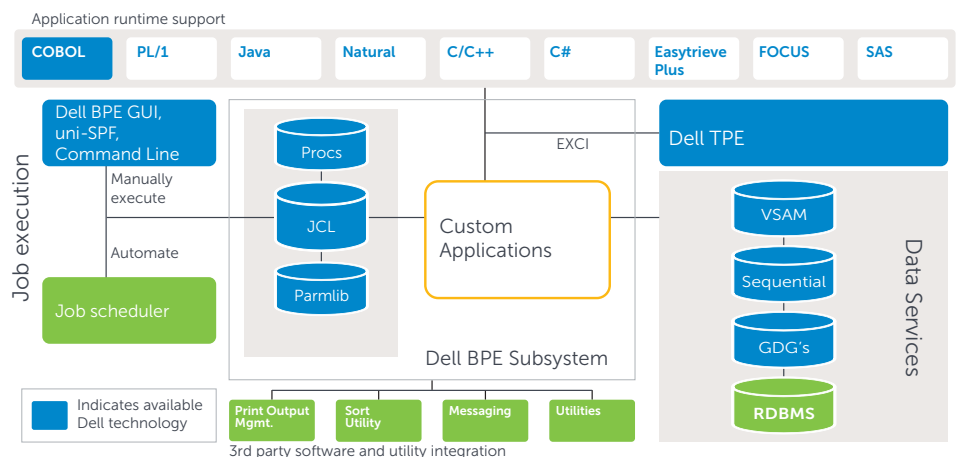
Batch statistics

Dell BPE software contains enhanced commands that display statistics such as time spent in VSAM code, wait times, and logical and physical I/O statistics.

Comprehensive legacy investment protection

When considering a migration project, both the path to obtain the desired target environment and the destination are equally as important. Batch application investments can be quickly be leveraged on industry-standard systems with Dell BPE software, without excessive code change or complex integration efforts, resulting in a highly manageable and well-supported platform moving forward.

For more information about any of our service offerings, please contact your Dell representative or visit dell.com/services.

Application runtime support

| COBOL | PL/1 | Java | Natural | C/C++ | C# | Easytrieve Plus | FOCUS | SAS |