RE-Engineering

Improves the performance and quality of batch processes in Z/OS by increasing the parallelism and providing automation of recovery/restart operations.
The Re-Engineering solution

The RES Reengineering tool, thanks to its methodology and technological superiority, helps to optimize batch processes - including existing, new and/or modified processes - reducing the processing time, making them adhere to corporate standards and resulting in better reliability at the same time.

The methodology that is available to the user to perform a critical analysis of existing processes and an optimal design solution will lead to newly generated, more efficient and shorter running processes. It also promotes adherence to technical and behavioral standards in the implementation of backup/restore requirements, restart, checkpoint management, temporary files, the use and management of GDGs, the report generation process and condition code processing.

Particularly important is also the benefit in terms of logical redesign, application shutdown and isolation in logical units of processing of the key parts of the production process, among others.

The technology component then automates the enforcement activities of any client-specific standards, ensuring the automatic creation of schedules ready to be invoked by the most popular automated workload schedulers.

All tasks can be performed via an interactive interface or managed by the automated reengineering option, 1SR (One Step Re-Engineering). In the first case it is possible to perform detailed interventions, in the second case it is possible to obtain the best automation and speed of the Re-Engineering application.

There is also a version of “Easy Re-Engineering” which, applied to the generation of parallel scheduling nets, keeps the job as provided, without concern for the sequence of the steps within them.
Objectives and functionalities of Re-Engineering

The main objective is to significantly **improve the quality** in terms of greater adherence to standards, greater security and reliability, and performance in terms of decreased processing time and better use of resources. **Creating Jobs and schedules** is a fully automated function of Re-Engineering and can easily be inserted in the object change management life cycle. Not only can existing schedules be re-engineered, but also **brand new schedules** can be generated (fully optimized) starting from a given list of jobs.

### Benefits

- **automatic generation** of standard schedules and jobs;
- behavioral standardization of the management of abnormal termination;
- **absolute reliability** of backup and restore processes;
- **automatic documentation** of optimized processes;
- **automatic alignment** of multiple production environments;
- **drastic reduction** in the time to move new applications into production;
- **drastic reduction in response times** for applications which are currently in production;
- optimization of the execution of applications for improved **SLA adherence**.