

Rocket® Performance Essential

Protecting your IBM® zSystems investments with up to 90% improvement in batch performance

Enterprise applications on IBM® z/OS® systems weren't built for today's always-online world that requires up-to-the-minute data access. The pressure to provide uninterrupted online access to data stems from the ever-growing needs of customers, but inefficient I/O processes stand in the way of progress.

If you put an end to capacity over-runs, you can strategically leverage sub-capacity license agreements to keep your mainframe costs low. Within hours of implementing Rocket® Performance Essential, you'll see a reduction in CPU and I/O resource consumption, increased application availability, and improved overall mainframe efficiency. It replaces inefficient, fragmented manual tuning and "IT gymnastics" (such as data mirroring for parallel access) with intelligent, automated, and integrated optimization that:

- 1 Reduces batch processing resources
- 2 Shortens elapsed times significantly for batch processing across your z/OS system
- 3 Enhances buffering automatically to improve batch cycles; no JCL changes needed
- 4 Works with most data set types (VSAM and non-VSAM)
- 5 Runs independently of any storage platform

Product benefits

- 1 Meet the demands of digital transformation and modernize enterprise applications
- 2 Reduce batch processing time by up to 75%
- 3 Reduce CPU costs and defer processor upgrades

Don't let outdated I/O processes threaten your budget. Let our knowledgeable experts demonstrate how Rocket can optimize batch jobs and help get you back on track with your licensing agreements.





Meet the demands of digital transformation and modernize enterprise applications

Performance Essential enables greater flexibility to free up IT staff and mainframe resources to focus on growth initiatives like customer-facing and mission-critical applications.

It handles performance constraints for online usage directly with intelligent buffer management that significantly reduces the number of I/Os for VSAM and non-VSAM data sets by up to 90%. Performance Essential optimizes batch processing automatically across your applications portfolio, determining optimal buffering each time the data set is processed—without requiring manual intervention, or touching your enterprise applications or JCL code.



We're predicting, conservatively, cost savings of US \$6.6 million across our environment over five years using Performance Essential, through a reduction in elapsed time and in CPU cycles running VSAM and sequential data batch processing. //

*IT Director,
Fortune 100 financial institution*



Reduce batch processing time by up to 75%

Want to see immediate impact on the performance of your critical systems and applications? Performance Essential reduces elapsed batch times by up to 75%. It makes batch processing more predictable by monitoring and optimizing capacity and generating models to predict system behavior based on historical performance data. Our Application Performance Analyzer finds high-activity candidates for optimization based on SMF data, allowing you to more efficiently manage batch and let IT staff focus on more valuable work.



Reduce CPU costs and defer processor upgrades

Performance Essential maximizes your return on hardware investments by extending the usefulness of existing systems. By reducing CPU capacity consumed by batch processing, you can defer processor upgrades and save millions on additional software licensing. If you've begun using outsourced resources to help with data processing, you can even use Performance Essential to reduce outsourcing costs.



IBM zSystems *without* Rocket Performance Essential

Small buffer size → Many I/O operations

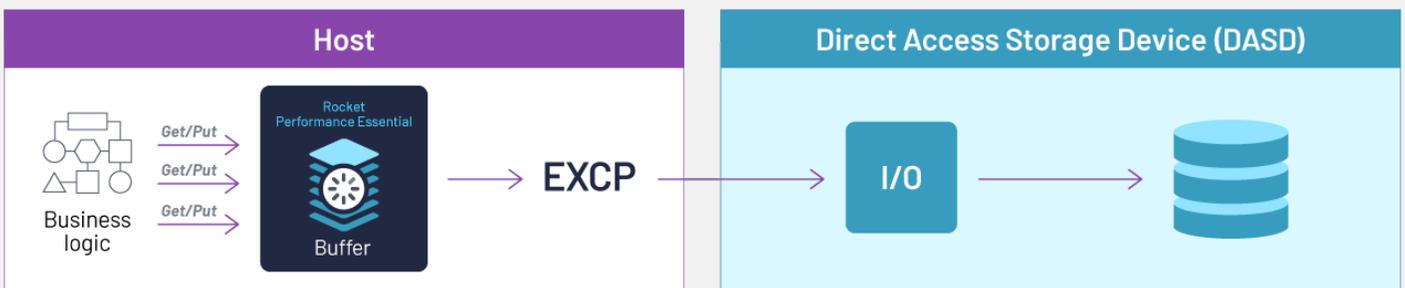


- Low performance
- System not utilized to its maximum capacity

When I/O operations have not been optimized, systems must rely on system defaults leading to improper tuning and a lack of flexibility when a change is required from sequential access to random access or vice versa. This ultimately leads to lower performance and a system that is not being utilized to its maximum capacity.

IBM zSystems *with* Rocket Performance Essential

Large buffer size → Fewer I/O operations



- Automatically adjust the buffering
- Reduces number of I/Os dramatically
- Frees and increases system resources

Rocket Performance Essential automatically adjusts the buffers to allow more I/O to flow at a given time without rewriting applications or JCL. This reduces the number of I/O dramatically while increasing and freeing system resources to provide maximum utilization.



Tech Specs

Rocket Performance Essential is compatible with all IBM zSystems and z/OS versions currently supported by IBM.

Rocket Mainstar Family of Products

Rocket Mainstar systems optimization and data management solutions let you operate IBM® z/OS®, Db2®, and IMSTM systems at peak efficiency. Maximize the proven processing power of your mainframe in support of corporate web, mobile, and cloud initiatives. Control operating costs, simplify compliance reporting, and keep your mainframe data safe, while ensuring business continuity.



Rocket Software empowers organizations to create legendary impact in the world through innovation in legacy technologies. With deep expertise in IBM Z, IBM Power, and database and connectivity solutions, Rocket solutions power tens of thousands of global businesses, solving real problems and making real-world impact.

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