




IBM System Recovery Boost

Today's Availability Challenges

Though IT organizations have become highly available, both planned and unplanned downtime still occurs, which can lead to gaps in service availability. In 2019, IBM commissioned Forrester to conduct a study of 100 IT directors in large US enterprises to understand the reality of downtime at their organization. These IT Directors faced the following challenges:

 <p>High Cost \$5.6 million estimated cost of planned downtime in the last year.</p>	 <p>Maintenance Windows 38% are challenged to find long enough maintenance windows to accommodate needed changes.</p>	 <p>Restart & Restoration Nearly 40% ranked application and system restart as a top challenge and service restoration time as an additional challenge.</p>
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System Recovery Boost on IBM z15™: IBM's Answer to these Availability Challenges

Built-in to IBM z15 and IBM z16™, System Recovery Boost diminishes the impact of downtime, planned or unplanned, accelerating service restoration and workload recovery **with zero increase in IBM software licensing costs**. Maximize availability by unleashing additional processing capacity on an LPAR-by-LPAR basis for a fixed-duration performance boost that lets you shut down, start up, process backlog and reach pre-shutdown SLAs substantially faster than on previous generations.

Accelerate Recovery Beyond the IPL

Recovery isn't just limited to IPLs. Other types of recovery events can put extra stress on your environment and cause business disruption. With System Recovery Boost, you can reduce the disruption and impact of events like these by leveraging short-duration recovery process boosts to expedite your return to steady-state operations.

Faster sysplex recovery: Accelerate Parallel Sysplex® recovery processes to minimize disruption and expedite return to steady-state operations. Available on IBM z15 and IBM z16.

New on IBM z16: Faster processing, faster recovery, faster workload catch-up, no additional cost

Introducing a new set of recovery process boosts designed to further reduce disruption, minimize business impact, and accelerate return to steady-state operations, exclusively on IBM z16.

Middleware Region Start/Restart

Accelerate start/restart of customer-specified middleware regions.

SVC Dumps

Accelerate SVC Dumps with expedited dump capture/write processing.

HyperSwap® Configuration Load

Accelerate HyperSwap configuration load with expedited loading and reloading of HyperSwap configuration and policy information.

Meet Your IT Imperatives with System Recovery Boost

With System Recovery Boost, you can unleash additional processing capacity during what we're calling, "the boost period." By enabling general-purpose processors to run at full-capacity speed, and allowing general-purpose workloads to run on zIIP processors, the boost period accelerates the entire recovery process in the image(s) being boosted, with improvements of up to:

<p>2.0x faster return to pre-shutdown SLAs</p>	<p>4.0x faster GDPS reconfiguration and orchestration actions</p>
<p>2.0x faster processing of transactional backlog</p>	<p>2.5x faster processing of batch backlog</p>

Maximize Performance with System Recovery Boost Upgrade

Maximize performance and parallelism during the boost period by unlocking additional zIIP capacity with this optional Capacity on Demand offering. This subscription-based offering lets you utilize up to 20 additional zIIP engines for up to 6 hours to build upon the base functionality.

Note: System Recovery Boost Upgrade is available exclusively on IBM z15 T01 and IBM z16 A01

¹"The Real Costs Of Planned And Unplanned Downtime", Forrester Consulting, August 2019. Forrester Opportunity Snapshot: A Custom Study Commissioned by IBM