



System Recovery Boost on IBM z15

Z

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:

High Cost

\$5.6 million estimated cost of planned downtime in the last year.

Maintenance Windows

38% are challenged to find long enough maintenance windows to accommodate needed changes.

Restart & Restoration

Nearly 40% ranked application and system restart as a top challenge and service restoration time as an additional challenge.

System Recovery Boost on IBM z15™: IBM's Answer to these Availability Challenges

Built-in to IBM z15, 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 IBM Z® generations.

Real-World IT Imperatives

Forrester found that IT Directors expressed strong interest in new recovery technologies:

75% would invest in

technologies that would decrease the amount of bring-up time.

79% would invest in

technologies that would accelerate their middleware restart and recovery process.

77% would invest in

technologies that would process backlog quicker.

63% would expect their investment in

new recovery technologies to increase revenue¹.

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:

2.0x

faster return to pre-shutdown SLAs

4.0x

faster GDPS reconfiguration and orchestration actions

2.0x

faster processing of transactional backlog

2.5x

faster processing of batch backlog

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. Utilize up to 20 additional zIIP engines for up to 6 hours to build upon the base functionality. With purchase of a multi-year subscription with option for automatic replenishment, System Recovery Boost Upgrade is simple to activate via the following z15 hardware feature codes: 9930, 6802, and 6799.

Note: System Recovery Boost Upgrade is available exclusively on z15 T01

Optimize Planned Maintenance Strategies

Accelerate planned maintenance to gain flexibility, reduce risk and meet SLAs with time to spare.

Diminish the Impact of Unplanned Outages

Accelerate recovery to minimize business disruption, avoid bottlenecks and ensure service-level attainment.

Ensure Compliance with DR Standards

Accelerate the execution of DR testing and site switching to ensure preparedness and easily meet compliance standards.

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