

Gain confidence in production readiness

IBM z Business Resilience Stress Test



How can you remain competitive if your business workloads cannot scale?

More than ever the stresses of today's economic times mean that your systems need to scale to meet new capacity demands. An increase in online customers than ever mean application solutions must become fully digital- and that stresses your system. Unpredictable peaks mean you must scale up without notice. And in a digital market, the inability to meet service levels can ultimately impact your business.

Enterprises often face unexpected production results after changes are introduced, or when workloads increase above normal expected loads. Though increased testing could help identify anomalies, typically organizations find that test resource constraints get in the way. Inadequate stress testing can lead to lost revenue, damaged brand reputation, penalties and dissatisfied customers.

And companies need to be prepared for surges in volume such as on Black Friday, Cyber Monday or Chinese New Year. It is far better to gain confidence in advance that your systems can deliver the SLAs your clients need.

While testing at scale can help you deliver a satisfactory experience for your customers, the challenges of running large scale tests can be daunting. Organizations cannot justify the capital for test infrastructure especially when testing requires large capacity periodically and for only a few hours or days. Organizations often cannot assemble the right capacity in an agile way to fully test out new volume or applications.

Companies need to take cost, complexity, and risk out of the testing equation. And given that many companies have access to DR machines, there is an opportunity to address this challenge.

What is IBM Z Business Resilience Stress Test

IBM Z[®] Business Resilience Stress Test is an IBM Solution that can help minimize costs, accelerate deployment and avoid disruptions.

Use in DevTest to increase the available capacity of your QA/Testing to support load/stress testing activities at scale to validate results and test resiliency of critical business services.

Advantages

Minimize cost – uses a flexible, integrated testing and validation environment to mirror production while minimizing cost and complexity.

Avoid business disruptions – Easily validate changes and upgrades in test, to minimize errors in production.

Accelerate deployment – Reduce the risks of application changes and and test out entire systems for full systems and integration testing.

Simplify testing cost effectively – Simplify testing at scale using the DR infrastructure you already have.

Capacity you need on demand – Use in DevTest to increase the available capacity of your QA/Testing environment to support stress testing activities when you need them.

Speed – Confidently accelerate delivery of new business functions with broad testing coverage.

Convenience - Test changes to surface anomalies or problems that occur only at high volumes or in complex combinations.

How it works

Make use of your DR assets to stress test hardware, software, application and process changes – all using a copy of your production environment.

IBM Z Business Resilience Stress Test:

- Exploits On/Off Capacity-on-Demand to enable you to utilize spare IBM Z physical resources to stress test changes at up to 100% production scale
- Uses tokens that can be purchased to add temporary capacity up to 100% of production capacity to target machines.
- Supports load/stress testing for up to 15 days using non-production resources.

Exploit your existing DR assets for load/stress testing of hardware, software, and applications using a mirror-image copy of production.

Questions to ask your team

- Do you face production issues that are related to system size and scale?
- Are you resource constrained in your testing environment?
- Do you avoid changing applications due to the risk of disrupting production?
- Do you uncover defects in production?
- Can you readily access the test resources you need when you need them?
- Are there regulatory penalties associated with errors that could have been avoided through testing?

How to activate:

- Use IBM Resource Link®, to order prepaid On/Off CoD records
- Tokens are activated and deactivated using On/Off CoD and the corresponding LIC record

Why IBM Z:

- More than 50 years of business continuity experience and in data centers
- Relied on by the world's largest banks, financial institutions and industries
- Offers business resiliency services, testing tools and recovery solutions
- Industry leadership in resiliency

Key offering components:

- [IBM z14® or IBM z15™](#)
- IBM On/Off Capacity on Demand
- Supports all IBM Z operating environments

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