IBM Z Flexible Capacity for Cyber Resiliency

Dynamically shift production capacity between IBM z16 systems in different sites

In today's world of unparalleled change, amplified by the pandemic related digital growth, businesses must adapt and manage their current business services to meet new expectations. They must guarantee service delivery, improve customer satisfaction and be prepared to operate round the clock not even in the face of disruptive events.

With the increasing number and impact of extreme weather events, rolling power outages, cyber attacks and more, 84% of organizations are prioritizing investments in business continuity. They are looking for solutions to help keep their businesses up and running even when these events occur to provide continuous service to their customers.

Historically IBM has offered business continuity and capacity on demand options to enable clients to run capacity for disaster recovery (DR), planned events, backup, and other emergency use. To drive availability and resiliency needs to the heights demanded by today's environments IBM has introduced new capabilities including **IBM Z Flexible Capacity for Cyber Resiliency.**

Highlights

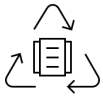
- Relocate production workload quickly
- Handle disruptions with ease
- Increased business continuity across your enterprise

Business continuity is a key aspect of cyber resiliency

Proactive Outage Avoidance

With extreme weather events becoming more and more frequent, a proactive approach to delivering continuous service is needed.

You need to be able to migrate your critical workloads to an alternate site before your business gets impacted.



Disaster Recoveryand DR Testing

In the event of an unplanned outage, including cyber attacks, the ability to rapidly restore operations and service is paramount.

The ability to test that production workloads can be shifted and run at full capacity is critical for ensuring continuous availability during unplanned outages is key.

Business Continuity Compliance

Regulation around business continuity and disaster recovery policies are increasing and becoming more stringent.

These regulations mandate that businesses be able to switch over full production loads to a secondary data center and operate there for extended periods of time.

Site Facility Maintenance

Site facility and building maintenance is an ongoing activity for businesses. Upgrading for environmental, health and safety purposes or other improvements sometimes requires closures.

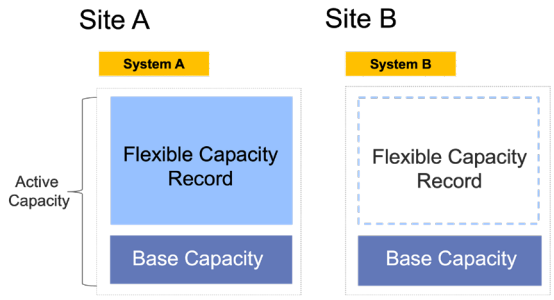
The ability to continue to provide 24x7 service to your customers is more important than ever.

IBM Z Flexible Capacity for Cyber Resiliency

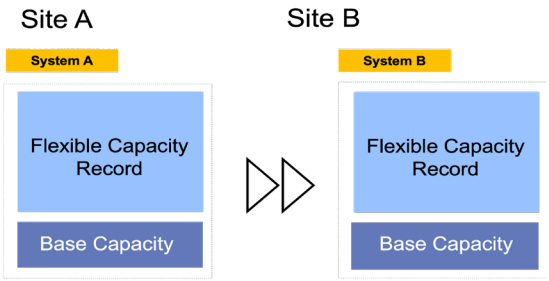
Flexible Capacity for Cyber Resiliency is a new Capacity on Demand offering available on IBM z16™ servers. It enables you to shift capacity between participating IBM z16 machines at different sites and use the target configuration for up to one year.

Get greater capacity flexibility between your primary data center site and alternate data centers.

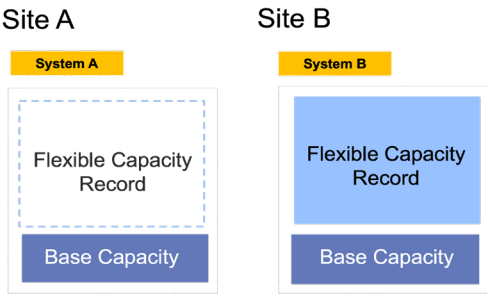
Capacity shifts with Flexible Capacity for Cyber Resiliency can be automated using solutions such as GDPS®.



1 New Temporary Capacity record is **installed** on both sites.
Active on-site A and inactive on-site B



2 **Activate** Temporary Capacity Record on Site B.
Transfer workload for 24 hours.



3 **Deactivate** Temporary Capacity Record on Site A.
Stay for up to 1 year on site B

Can be used to provide greater assurance over testing, planned maintenance, proactive outage avoidance and disaster recovery. This solution helps you meet stringent policies of regulators that mandate switch over.

Flexible Capacity for Cyber Resiliency

Greater Flexibility

- Dynamically shift production capacity between IBM z16 systems at different sites within seconds
- Can be used for proactive outage avoidance, business continuity compliance, disaster recovery and DR test scenarios.
- Be confident that production workloads can be seamlessly shifted to an alternate site and still meet production SLAs.

Complete Client Control

- Remotely transfer capacity – no on-site personnel required after initial set up.
- Flexibility over duration of capacity transfer, production can remain at the alternate site for up to one year.
- Fully automatable using solutions such as GDPS.
- Integrates with System Recovery Boost for faster system and workload startup

Simplified Compliance

- Simplify business continuity compliance and improve audit readiness by using the same procedures for both for DR testing and real unplanned disasters.
- Automate and test recovery procedures for unplanned outages to provide near-continuous availability and disaster recovery.

Designed to help organizations proactively reduce the impact of downtime by dynamically shifting their critical workloads to an alternate site for business continuity

For more information

For more information, contact your IBM sales representative or business partner.

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