

Get peace of mind with IBM high-availability features and expertise.



Highlights

- Help prevent planned and unplanned downtime through automatic recovery features that support continuous application availability
- Help reduce total cost of ownership (TCO) using cost-effective backup system configurations
- Rely on IBM expertise to design and implement a flexible, reliable capacity backup solution for your business

Keep your business operational with uninterrupted availability

Customers and employees take for granted that your systems and applications will be there when they need them, despite the complexity and cost of managing disparate, fast-changing technologies across your infrastructure. That means you must deliver uninterrupted, around-the-clock availability of all your critical business and IT processes. To maintain this level of availability, you can implement a Capacity BackUp (CBU) solution on your IBM System p™ server. A CBU solution can deliver high application availability whether you confront individual system failures, site outages, or planned system upgrades or replacements.

Recover from individual system failures

The CBU solution monitors your production systems to ensure they're running. If a system failure occurs, the CBU solution automatically reconfigures the backup system to match the production requirements and restarts the applications on the backup system.

Recover from site outages

If an entire production site goes down due to power problems or a natural disaster, the CBU solution can automatically reconfigure your systems at an alternate, remote production site and restart your applications there.

Upgrade your system

If you need to upgrade or replace your system to meet growth requirements, you have the option to manually



initiate the reconfiguration and transfer of applications to the backup system, enabling production to continue with minimal interruption.

Enable continuous availability using Capacity BackUp for IBM System p

A CBU solution for System p servers offers several features to help you deliver high availability. The solution includes:

- CBU configurations.
- IBM High Availability Cluster Multiprocessing (HACMP™) for IBM AIX® 5L, Version 5.4.
- On/Off Capacity on Demand (CoD).
- Unique scripts written by IBM Global Technology Services.

CBU configurations

In most cases when you purchase a hardware platform, a minimum configuration setup requires a certain number of processors to be active. For example, you may have to activate at least 50 percent of available CPU processors.

With Capacity BackUp for IBM System p, you can choose from cost-effective configurations to find the best match for your anticipated growth, risk tolerance,

organization size and capacity requirements. For example, upon purchase you can activate just four processors on an IBM System p5™ 590 32-core system, or you can activate just four processors on an IBM System p5 595 32-core or 64-core system. These configurations include 900 or 1,800 days of prepaid On/Off CoD to meet the capacity requirements for running production workloads when your primary system is unavailable.

HACMP

HACMP for AIX 5L, Version 5.4 supports business continuity that hardware alone cannot provide. For more than a decade, HACMP has provided reliable, 24x7 availability services by monitoring critical business applications across business infrastructures through a private network connection that continuously communicates with the AIX 5L operating system to check status. With the optional HACMP/XD feature, the backup system can reside at a location that is remote from the production system.

On/Off CoD

With On/Off CoD, you can keep a reserve capacity of processors and



memory in your system. When you need the reserve capacity, you simply “turn on” the reserve processors and memory temporarily — then, you “turn off” CoD resources when the requirement has passed. You pay only an affordable daily rate for using On/Off CoD processors and memory when they are turned on.

Scripting services from IBM Global Technology Services

Each of your production systems typically has unique characteristics based on the requirements of the applications it supports. To customize your backup system to handle these unique requirements, IBM Global Technology Services can write scripts that will launch automatically as part of your backup system reconfiguration.

Choose a high-availability solution that’s part of IBM’s approach to business resilience

The IBM CBU solution is one way customers can support high availability for their System p platforms. IBM offers a broad portfolio of availability solutions that comprise hardware, software, consulting services and financing. Each solution can work separately or in combination with other offerings to help organizations become more resilient.

CBU configuration options			
IBM System p5 590 server with 2.1GHz standard processor			
Minimum number of active IBM POWER 5+™ processors	Number required	Number required	Number of days included On/Off CoD
4 of 32	2	4	900
IBM System p5 595 server with 2.1GHz standard processor			
Minimum number of active POWER 5+ processors	Number required	Number required	Number of days included On/Off CoD
4 of 32	2	4	900
4 of 64	4	4	1,800
IBM System p5 595 server with 2.3GHz turbo processor			
Minimum number of active POWER 5+ processors	Number required	Number required	Number of days included On/Off CoD
4 of 32	2	4	900
4 of 64	4	4	1,800

Availability offerings represent one of several modular entry points into IBM Business Resilience, a comprehensive, fully integrated approach to helping businesses ensure the availability, performance and integrity of their critical business services, processes and infrastructure.

Take advantage of global expertise and financing from IBM

To help optimize your additional capacity, experts from IBM Implementation

Services can provide consulting and implementation services catered to your needs. With assistance from a capacity backup specialist, you can design your system to deliver precisely the level of protection you need. Scripting services are also available. IBM Global Financing can help match your payments with your usage, using competitive financing for fixed and variable costs related to IBM CBU offerings. So spikes in demand won’t become spikes in your budget.



Conclusion

Capacity BackUp for IBM System p is part of a portfolio of flexible IBM CBU offerings. By choosing a CBU solution, you help your organization adapt more easily and cost-effectively to fast-evolving business needs, while providing a high level of availability for emergency situations. As a result, you can help ensure continuity of your business operations and compete more effectively — under all types of circumstances.

For more information

To learn more about high-availability solutions for System p, contact your IBM representative or IBM Business Partner, or visit ibm.com/systems/p/ha/

About IBM solutions for enabling IT governance and risk management

IBM enables IT organizations to support governance and risk management by aligning IT policies, processes and projects with business goals. Organizations can leverage IBM services, software and hardware to plan, execute and manage initiatives for IT service management, business resilience and security across the enterprise. Organizations of every size can benefit from flexible, modular IBM offerings that span business management, IT development and IT operations and draw on extensive customer experience, best practices and open standards-based technology. IBM helps clients implement the right IT solutions to achieve rapid business results and become a strategic partner in business growth. For more information about IBM Governance and Risk Management, visit ibm.com/itsolutions/governance

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6-07
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