Cyxtera
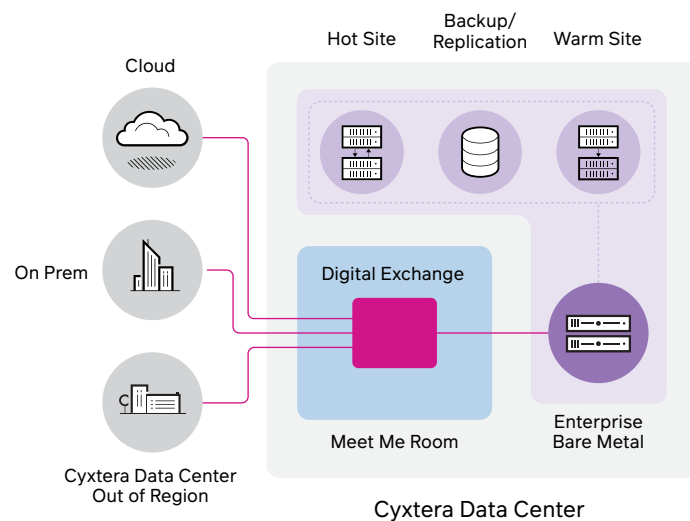
Disaster recovery with Enterprise Bare Metal

Whether you need to minimize downtime, protect your organization's data and intellectual property, or comply with legal or regulatory requirements having a robust IT (Information Technology) architecture that continues operations in the face of unexpected disasters or disruptions is crucial.

Three common strategies for addressing the impact of a disaster or outage are:

- A data and system backup/replication strategy that protects you from data loss

- A warm site strategy involving pre-staging of some infrastructure and data backups provides you the means for restoring services after a major outage

- A hot site strategy, with infrastructure in place, designed to restore critical business systems, applications, and operations in the shortest time possible

Cyxtera Enterprise Bare Metal and on-demand services available through the Cyxtera Marketplace can be effective resources to you for achieving your disaster recovery goals.

Cyxtera Data Center

Two terms widely used around disaster recovery are Recovery Time Objective (RTO) and Recovery Point Objective (RPO). Both are goals businesses' set for determining their disaster recovery plans:

- RTO refers to the maximum time it should take to restore normal operations following a disaster or data loss. An RTO goal measures the restoration time an application or system has to avoid negative consequences.

- RPO refers to the maximum amount of data that a business can afford to lose due to a disruption.

Backup/Replication to colocation for disaster recovery

Data loss occurs for many reasons, with common causes including accidental errors, employee or competitor theft, physical failure, and environmental causes like natural disasters. Your first defense is a robust backup/replication strategy for your critical data. It is common to see enterprises adopt a 3-2-1 backup approach (three different copies of data, on two different media, with one copy offsite). Having an offsite backup of your data ensures that you have access to a copy of your data in the event of a disaster.

Cyxtera EBM servers come ready with the space, power, network, computing, and storage needed to implement a safe offsite data backup/replication strategy — from your existing on-premise environment or the cloud. And additional network services from Cyxtera – IP Connect and Cyxtera Cloud Connect – provide the internet connectivity and bandwidth necessary to transfer your data to/from your primary production site. Cyxtera Enterprise Bare Metal provides a safe, reliable choice for organizations focusing on low Recovery Point Objectives.

Warm Site disaster recovery

Sometimes cloud outages, natural disasters, human errors, cyberattacks, and equipment failures disrupt your everyday operations— impacting more than just your critical business data. A warm disaster recovery site can reduce downtime caused by an outage. In a warm site, infrastructure similar to your primary site – storage and servers– is set up in advance but doesn't contain your data. Warm sites are a more economical choice for businesses that need a higher level of preparedness – shorter Recovery Time Objectives – but cannot afford the costs associated with a fully functional hot site.

Cyxtera Enterprise Bare Metal is ideally suited for warm site disaster recovery because the infrastructure you need can be predeployed and ready for use when an outage occurs. Cyxtera EBM servers can be set up as HCI clusters, virtualized application servers, dedicated storage nodes, and more. With EBM, you completely control the server environment while Cyxtera maintains the hardware, network, and facilities necessary to deliver your services.

Hot Site disaster recovery

Hot sites ensure your business can continue to operate in the event of an outage. When your business operations require very short recovery times, you should use hot sites to minimize downtime and keep your operations running as smoothly as possible. Hot site disaster recovery is used by organizations focused on short Recovery Time Objectives, regardless of the cost. Hot site disaster recovery involves procuring and provisioning duplicate infrastructure to run critical applications at multiple sites. In the event of an outage, the hot site becomes the primary site providing critical services .

Cyxtera EBM gives you high-performance, reliable, and secure enterprise-grade infrastructure to run your critical operations. With Cyxtera you can avoid high start-up costs with flexible as-a-service pricing that allows you to pay only for what you use rather than requiring significant capital investments. And you have complete control of the server environment, while Cyxtera maintains the hardware, network, and facilities necessary to deliver your services.

Because Cyxtera EBM includes access to the Cyxtera Digital Exchange, you can add the services you need for a fully-functional hot site, including:

- Cyxtera's on-demand Enterprise Storage as a Service — powered by Zadara
- IP Connect for fault-tolerant Internet connections
- Cyxtera Cloud Connect for direct, secure, low-latency connections to leading public clouds

About Cyxtera

Cyxtera is a global leader in colocation and interconnection services, with a footprint of more than 60 data centers in over 30 markets. With IT infrastructure becoming increasingly hybrid, complex, and distributed, we continue to expand our portfolio beyond space and power to deliver more cloud-like and flexible infrastructure solutions across its global data center platform and robust partner ecosystem. Today, we provide more than 2,300 enterprise and government customers with the technology solutions they need to scale faster, achieve financial goals, and gain a competitive advantage. For more information, please visit **www.cyxtera.com.**

Need to revise your disaster plan? Cyxtera can help. Contact sales@cyxtera.com or call 1-855-699-8372.