

# White Paper

## AWS Agentless Cross-Cloud DR Solution with HyperBDR



As businesses increasingly migrate critical workloads to the cloud, ensuring resilience and availability across different platforms becomes paramount. Disaster recovery (DR) is a crucial strategy for maintaining business continuity, especially in the context of most enterprises adopting complex hybrid cloud strategies. HyperBDR, a leading provider of cloud disaster recovery solutions, has introduced a new agentless feature that supports AWS disaster recovery to other cloud platforms.

By 2030, the cloud DRaaS market is expected to hit

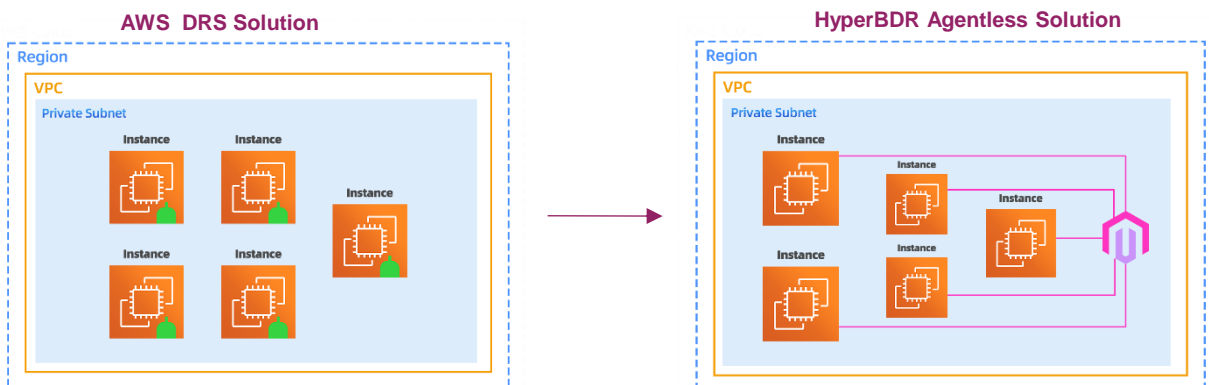
**\$42.68**  
billion

Data Source: Flexera 2023 State of the Cloud Report

*This white paper highlights the advantages of this agentless feature, its application scenarios, and a detailed overview of the HyperBDR cross-cloud disaster recovery solution, including its unique cost-saving benefits and highly flexible disaster recovery (DR) configurations.*

## Advantages of Agentless Disaster Recovery

HyperBDR's agentless disaster recovery technology offers several critical benefits over traditional agent-based approaches:



### 1 Reduced System Intrusion

Traditional DR solutions require the installation of agents on each protected system, which can

introduce overhead, increase system load, and pose security risks. With HyperBDR's agentless solution, there is no need for agents, significantly minimizing the impact on system performance.

## 2 Simplified Management

Without the need to deploy and manage agents across multiple systems, operational complexity is drastically reduced. IT teams no longer need to monitor individual agents or troubleshoot agent-related issues, streamlining disaster recovery processes.

## 3 Scalability and Flexibility

HyperBDR's agentless technology is highly scalable, adapting to various OS environments without the constraints imposed by agent-based solutions, no matter it's legacy or the latest OS version. This makes it ideal for organizations with dynamic or growing cloud infrastructures.

# Application Scenarios for AWS Agentless DR

HyperBDR's agentless disaster recovery solution is particularly well-suited for several key scenarios:

### Cross-Cloud Migration

For organizations migrating workloads from AWS to another cloud platform, HyperBDR's agentless technology enables seamless transitions. By ensuring data and application integrity during the migration process, HyperBDR minimizes downtime and operational risk.

### Multi-Cloud Resilience

As multi-cloud strategies become more prevalent, the ability to maintain disaster recovery across various cloud providers becomes critical. HyperBDR supports seamless disaster recovery across multiple platforms, ensuring high availability without the complexities of managing agents.

### Data Sovereignty and Compliance

In industries where data residency and compliance are critical, HyperBDR's agentless solution allows organizations to replicate and recover AWS-hosted data in compliance with regional regulations, ensuring seamless recovery across jurisdictions.

### Cost-Effective Backup and Recovery

Organizations with limited disaster recovery budgets benefit from HyperBDR's cost-efficient approach, which significantly lowers resource overhead and operational costs by leveraging cloud-native capabilities.

# HyperBDR Cross-Cloud Disaster Recovery Solution

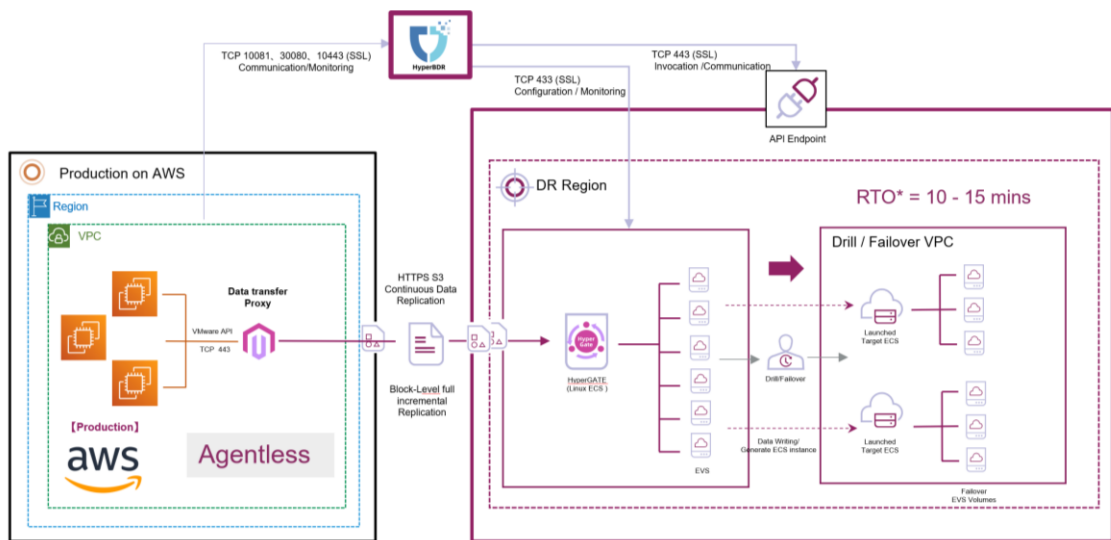
HyperBDR offers a comprehensive disaster recovery solution designed for seamless cross-cloud operations, including AWS. With its focus on automation and cost-efficiency, HyperBDR simplifies disaster recovery, ensuring high performance and minimal disruption.

## Key Features of HyperBDR

### 1 Boot in Cloud Technology®

HyperBDR's Boot in Cloud technology enables instant booting of workloads in the target cloud environment without pre-allocated compute resources. This reduces recovery times (RTO) significantly, ensuring near-instantaneous availability of business-critical applications.

Agentless AWS DR Solution( Block Storage Mode)



### 2 Hostless Data Synchronization

One of the unique features of HyperBDR is its hostless synchronization capability. During the data synchronization phase, HyperBDR does not require a 1:1 pre-provisioning of compute resources. Instead, it stores backup data in object storage or block storage, and only during a disaster event or testing phase are compute resources automatically created and provisioned. This approach drastically reduces the overall cost of disaster recovery by up to 50-90%, as businesses only pay for the resources when they are actively used.

### 3 Incremental Data Synchronization

HyperBDR supports both full and incremental synchronization of data across cloud platforms, ensuring that only the necessary changes are replicated. This minimizes the use of network and storage resources, making it more efficient.

### 4 Cloud-Native Integration

With deep integration into cloud APIs, HyperBDR leverages cloud-native features to automate disaster recovery processes, enabling faster failover, testing, and recovery through a unified management interface.

### 5 Flexible DR Options

HyperBDR provides a high degree of flexibility in configuring disaster recovery strategies. Businesses can customize various aspects of their disaster recovery plans, including the interval between data snapshots, the retention period, and the number of backup copies maintained. This flexibility ensures that businesses can tailor their disaster recovery configurations to meet both regulatory requirements and operational needs.

*Currently, HyperBDR supports cross cloud disaster recovery between over 20 public and private cloud platforms, including AWS, AZURE, Huawei Cloud, HCS, Alibaba Cloud, and hundreds of cross cloud scenarios.*

## ● Advantages of HyperBDR



### Cost Reduction

By eliminating the need for agent deployment and pre-allocated compute resources, HyperBDR significantly reduces disaster recovery costs. The use of cloud-native storage and no-host synchronization leads to additional savings, particularly when compared to traditional 1:1 standby solutions.



### High Availability

HyperBDR's Boot in Cloud and no-host synchronization technologies ensure rapid recovery times, reducing both RTO (Recovery Time Objective) and RPO (Recovery Point Objective), thereby maximizing the availability of critical applications.

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### Scalability

With its agentless and cloud-native architecture, HyperBDR can scale to meet the needs of both small businesses and large enterprises, supporting a wide range of workloads and cloud environments.



### Ease of Use

HyperBDR's highly automated processes and intuitive interface allow businesses to quickly configure and manage disaster recovery operations without requiring specialized technical knowledge. Its "three-step" setup makes it simple even for non-technical users to manage.

## Conclusion

In an increasingly multi-cloud world, businesses need disaster recovery solutions that are cost-effective, scalable, and easy to manage. HyperBDR's agentless disaster recovery for AWS provides a unique combination of flexibility, efficiency, and automation, ensuring that organizations can maintain business continuity across multiple cloud platforms without the complexity or high costs associated with traditional DR solutions. Whether you are looking to migrate workloads, comply with data regulations, or simply improve your disaster recovery capabilities, HyperBDR offers the right tools to protect your data and ensure high availability in an ever-evolving cloud landscape.



OnePro Cloud is a leading provider of multi-cloud management automation tools, offering simple, modular, and composable solutions. In the cloud computing era, OnePro Cloud fully leverages cloud-native capabilities to automate multi-cloud management and deliver products and solutions for multi-cloud platform migration, disaster recovery, billing, cost optimization, and more. We help customers enhance efficiency and reduce operating costs. For more information, please visit [www.oneprocloud.com](http://www.oneprocloud.com) and follow us on LinkedIn @ OnePro cloud limited.