

InfuzeOS™ Cloud Edition

Extending the InfiniBox Platform Experience to Public Cloud

InfuzeOS powers Infinidat's unique software-defined storage (SDS) architecture. It drives the performance, availability, cyber storage resilience, ease of use, and economic benefits of our storage platforms, InfiniBox®, InfiniBox™ SSA, and InfiniGuard®. InfuzeOS' SDS architecture delivers these powerful capabilities without dependence on proprietary hardware or components.

InfuzeOS Cloud Edition delivers the award-winning InfiniBox platform experience on public cloud compute and storage resources. Amazon Web Services (AWS) is the first supported public cloud platform to deploy InfuzeOS Cloud Edition in a single node InfiniBox type configuration.

Full-function Cloud Deployment

InfuzeOS Cloud Edition is designed to provide similar data service capabilities to what is provided within our on-premises InfiniBox platforms, and may vary based on any AWS EC2 and EBS limiting factors. It is managed using the same interfaces along with InfiniOps™ capabilities powered by InfiniVerse® and InfiniMetrics®. InfuzeOS Cloud Edition has the same functional sets of API's and CLI's supported by InfiniBox today. By providing the same user experience using consistent tools and interfaces, storage admins can deploy InfuzeOS Cloud Edition in the cloud without learning a new set of tools and processes. These are the same tools that have enabled organizations to reduce IT infrastructure costs and improve IT staff productivity by as much as 51%¹ according to an IDC survey of end users. Additionally, InfuzeOS Cloud Edition provides data services, patented Neural Cache capabilities and InfiniRAID® which adds greater data protection and compression for better effective storage utilization over native Amazon Elastic Block Storage (EBS) and Amazon Elastic File Services (EFS), all using ethernet based protocols.

What is InfuzeOS Cloud Edition?

It is the instantiation of InfuzeOS on AWS. This means that InfuzeOS Cloud Edition shares the same code base as InfiniBox and InfiniBox SSA II on-premises platforms and provides the same award-winning Infinidat functionality and ease of use. Although all Infinidat platforms share a common InfuzeOS code base, there are some important differences between InfuzeOS Cloud Edition and the on-premises InfiniBox and InfiniBox SSA II platforms. InfuzeOS Cloud Edition is a single-node implementation compared to the three-controller architecture of InfiniBox and InfiniBox SSA. Since the cloud edition utilizes cloud infrastructure as opposed to native integrated hardware, performance and availability is limited to SLAs derived from the cloud provider.



Use Cases

InfuzeOS Cloud Edition use cases extend the same InfiniBox customer experience to a hybrid cloud storage solution. These use cases include:



General storage. Standardize on Infinidat storage ease-of-use and enterprise-class functionality while adding capacity for burst storage and processing requirements.



Consistent multiprotocol storage. Use one platform to enable Windows and Linux hosts to access the same data through their preferred file protocols. Manage block storage and file storage at the same time with parallel functionality.



Disaster recovery and business continuance. Provides additional options for disaster recovery (DR) and business continuance (BC).



Backup. Cloud-based backup target. Send your backups directly to the cloud.



Test/dev/proof-of-concept. Provides additional resources to support test and development activities as well as quickly create proof-of-concept environments on demand and free up valuable equipment and resources.

¹IDC White Paper, Sponsored by Infinidat, The Business Value of Infinidat Storage, Doc. #US49976922, February