

## InfiniBox™ SSA II

### Consistent Ultra-high Performance and Microsecond Level Latency Storage Systems for Your Most Demanding Workloads

InfiniBox SSA II raises the bar and consistently delivers outstanding performance for the most extreme and business-critical workloads.

Consistent with our original InfiniBox SSA, 100% solid-state technology is leveraged for persistent storage and coupled with the proven power of Infinidat's Neural Cache learning algorithms to deliver:

- ▶ Industry-leading performance
- ▶ Proven reliability
- ▶ 100% availability — guaranteed
- ▶ Multi-protocol and unified storage
- ▶ Unparalleled customer experience
- ▶ Supreme ease-of-use

By removing complexity and including autonomous automation, the groundbreaking performance of the InfiniBox SSA II ensures that your business systems and applications requiring ultra-low latency for every I/O can continue to scale, and/or consolidate with other high-performance workloads.



The InfiniBox SSA II enterprise storage system is designed to meet the demands of workloads that require consistent microsecond latency for every I/O from the storage subsystem with latency as low as 35µs\* (microseconds). Our solution provides the intelligence of the Infinidat Neural Cache learning algorithms, allowing most I/O to be serviced at DRAM speed. Coupling that with an optimized path to our solid-state storage ensures end-to-end performance. Enterprise-class storage with unmatched features and ease of use is included with the added benefit of our 100% availability guarantee.

### KEY FEATURES

#### ► High Performance

Neural Cache, our truly innovative and effective cache management algorithms combine with an ultra-efficient data layout to deliver high throughput with 35µs\* latency in real-world workloads. InfiniBox SSA II adds significant additional processing power, interconnects, and operating system optimizations within our architecture which further ensures that performance is maintained at scale.

#### ► InfiniSafe® Reference Architecture for InfiniBox®

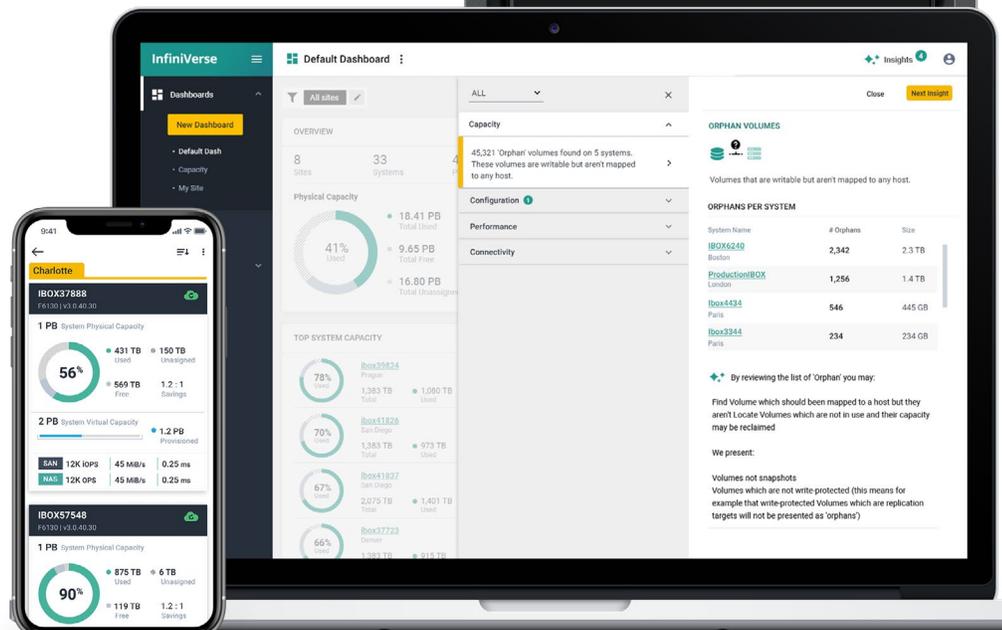
Having a strong cyber resilience capability and plan is a top priority for all businesses and Infinidat's InfiniSafe reference architecture helps companies implement cyber resilience strategies with InfiniBox. InfiniSafe is based on building cyber-resilient environments with our products in four areas:

- Immutable snapshots
- Logical remote air gap
- Fenced forensic network
- Near-instantaneous recovery

InfiniSafe encompasses blueprints and frameworks to help companies expand their cyber resilience throughout our InfiniBox family of solutions.

#### ► Easy Deployment and Efficiency

Deploying and optimizing your storage is simple with InfiniBox and InfiniBox SSA with our automated autonomous capabilities.



**Default Dashboard**

Overview: 8 Sites, 33 Systems

Capacity: 18.41 PB Total Used, 9.65 PB Total Free, 16.80 PB Total Unassigned

Physical Capacity: 41% Used

TOP SYSTEM CAPACITY:

- Box39824 (Prague): 78% Used, 1,363 TB Total, 1,080 TB Used
- Box41826 (San Diego): 70% Used, 1,383 TB Total, 973 TB Used
- Box41837 (San Diego): 67% Used, 2,073 TB Total, 1,401 TB Used
- Box37723 (Denver): 66% Used, 1,563 TB Total, 919 TB Used

ORPHAN VOLUMES: 45,321 Orphan volumes found on 5 systems. These volumes are writable but aren't mapped to any host.

System Name	# Orphans	Size
IBOX6249 Boston	2,342	2.3 TB
ProductionIBOX London	1,256	1.4 TB
IBOX4531 Paris	546	445 GB
IBOX3341 Paris	234	234 GB

**Charlotte**

IBOX37888 (F6190) (v3.0.46.30)

1 PB System Physical Capacity: 56% Used (431 TB), 190 TB Unassigned, 569 TB Free, 1.2:1 Savings

2 PB System Virtual Capacity: 1.2 PB Provisioned

IBOX57548 (F6190) (v3.0.46.30)

1 PB System Physical Capacity: 90% Used (875 TB), 6 TB Unassigned, 119 TB Free, 1.2:1 Savings

This completely removes all the underlying complexity in the configuration of the storage. Our systems come ready to deploy to your infrastructure. Once attached to your environment you can immediately start utilizing your investment. With all that complexity removed, no sacrifice to performance or efficiency, and a 100% availability guarantee, you gain peace of mind and time to focus on other things.

#### ► High Availability and Reliability

InfiniBox SSA comes with a 100% availability guarantee. We employ an active/active/active controller and self-healing architecture that leverages our patented InfiniRaid® data layout and predictive failure analysis. This delivers the industry's highest availability and in the event that you migrate between any InfiniBox systems, you will have a completely seamless and non-disruptive experience.

#### ► Business Agility and Continuity

Space-efficient, zero-impact snapshots simplify data protection and accelerate agile development and quality assurance with nearly infinite copies of your data. Our replication technologies are the best and most flexible in the industry! Integrated synchronous, asynchronous, active/active, and multi-site replication provide the highest levels of data availability for business continuity and disaster recovery. Our in-family migration is 100% seamless as well, because worrying about downtime just to move data between our arrays shouldn't be a concern. Our migration leverages our inherent active/active system capabilities, and you can achieve better performance during migration.

#### ► Simple and Powerful Management

InfiniVerse® is our AIOps cloud-based, analytics-driven environment that monitors, reports, and delivers insights into your Infinidat estate, and predicts the impact of infrastructure changes on performance. Element management is done via the InfiniBox intuitive HTML5 GUI, which simplifies the most complex storage management operations. A comprehensive RESTful API and a powerful CLI help automate complex tasks. Quality-of-Service capabilities facilitate service level coordination across tenants, workloads, and volumes.

#### ► Multi-Protocol and Unified Storage

InfiniBox provides Fibre Channel and iSCSI block protocols and NFS & SMB file protocol concurrently, in a single platform, making it easier to support and or consolidate varying workloads. Infinidat solutions provide ultra-high performance regardless of which environments are best for your workloads.

#### From Our Customers

*"As a managed service provider, our customers' business needs have evolved, and a proportion of their mission-critical applications required higher performance capabilities. As an existing customer of Infinidat's InfiniBox, we immediately thought of Infinidat for our solution. With the InfiniBox SSA we found the answer to the performance needs of our customers and have enjoyed Infinidat's excellent customer experience and uncompromising reliability. Our InfiniBox SSA met the very high-performance expectations for the most demanding customer workloads!"*

**Chief Technology Officer,**  
Information Technology Company



### ► Connectivity and Integration

Infinidat solutions integrate with critical business applications in your data center using native interfaces. Host PowerTools, our intuitive host connectivity and storage provisioning tool, reduces management tasks from days or hours to seconds! Direct integration into VMware® vCenter® provides for extensive interoperability and management directly from within a VMware environment.

### ► InfiniOps™ Technologies

Infinidat's InfiniOps technologies are a collection of software capabilities that exploit world-class AIOps functionality and expedite DevOps activities. By harnessing the unique operational awareness of InfiniVerse, IT teams have streamlined storage oversight and management to unprecedented levels of set-it-and-forget-it simplicity at their local site and across the globe. Additionally, a proven set of IT tools are available to further integrate InfiniBox capabilities into IT operations for standard and container application deployment environments.

*"Enterprises are relentlessly challenged with the threat of cyberattacks. With Infinidat's InfiniSafe technology extended to Infinidat's family of innovative InfiniBox storage solutions, end-users can develop robust cyber resilience strategies for their primary storage estate. The new InfiniBox SSA II delivers enterprises unmatched performance with superior cyber data protection!"*

**Chief Technology Officer,**  
Global IT Company

*"The InfiniBox architecture has been a game-changer for us, as it helps us meet our SLAs to the business around performance, guaranteed 100% availability, support and ease of use."*

**Chief Technology Officer,**  
Software and Services Provider



\* Internal Latency as low as 35 microseconds based on customer production telemetry data, read I/O hits (DRAM cache) actual results may vary. March 2022.