

GravityZone Security for Storage

Next-generation protection for NAS and file-sharing systems

Digital transformation and expanding collaboration in the workplace have placed growing demands on shared storage systems. At the same time, increasingly sophisticated and prolific cyberthreats have necessitated reliable storage security—for example, to prevent infected files from spreading across the organization and beyond. GravityZone Security for Storage delivers best-in-class, real-time protection for leading file-sharing and network-storage systems.

When a user requests to open, read, write, or close a file from a laptop, workstation, mobile, or other device, the ICAP client (a NAS or file-sharing system) determines, based on policy, whether the file requires anti-malware scanning. If a scan is needed, the ICAP client sends the request to the SVA, which analyses the file and returns a verdict to the storage system. Depending on configuration, the SVA can also take policy-driven action, such as disinfecting a file deemed malicious. If the file is clean or disinfecting, the storage system allows the user to access it. If the file is unsafe, access is prohibited.

Key capabilities

- Broad compatibility and security for Storage supports Nutanix Files (AFS), Citrix ShareFile, and ICAP-compliant NAS solutions by Dell®, EMC®, IBM®, Hitachi®, HPE®, Oracle®, and others. If your organization has a variety of ICAP-compatible devices, GravityZone can protect your multi-vendor NAS estate from the same deployment, reducing the cost of storage-security infrastructure.
- The GravityZone platform's redundant design ensures its intrinsic resilience. Policy-based load balancing across the ICAP servers eliminates single points of failure at the system level, ensuring uninterrupted security and high availability, as configured and controlled by the ICAP client.

Machine learning and other antimalware technologies deliver unmatched real-time protection for ICAP-compatible Network Attached Storage® and file-sharing systems, including Nutanix Files (AFS)®, Citrix® ShareFile® and NAS by Dell®, EMC®, IBM®, Hitachi®, HPE®, Oracle®, and others. Administered from the same console as other GravityZone products, Security for Storage is fast to deploy and simple to manage.

At-a-Glance

Bitdefender machine-learning models use 40,000 static and dynamic features and are continuously trained on billions of file samples gathered from hundreds of millions of endpoints globally. This dramatically improves GravityZone's malware-detection efficacy and minimizes false positives.

Key Benefits

- Unlimited scalability means GravityZone's web-scale, modular architecture lets you add a virtually unlimited number of ICAP servers on demand to support the increasing number of scan requests as your organization's workforce and data grow.
- GravityZone Security for Storage leverages Bitdefender's award-winning security technology to provide multiple layers of defense (including machine learning, heuristics, signatures, and cloud lookup) against known and unknown file-based infections that may be part of zero-day or advanced attacks.
- Administer Security for Storage from the same central console as other GravityZone solutions; it's fast to deploy and easy to manage. Security for Storage is also highly configurable, so you can quickly define policies and exclusions, set up default actions, create custom reports, and trigger real-time notifications to match your organization's requirements.



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Bitdefender is a cybersecurity leader delivering best-in-class threat prevention, detection, and response solutions worldwide. Guardian over millions of consumer, business, and government environments, Bitdefender is one of the industry's most trusted experts for eliminating threats, protecting privacy and data, and enabling cyber resilience. With deep investments in research and development, Bitdefender Labs discovers over 400 new threats each minute and validates around 40 billion daily threat queries. The company has pioneered breakthrough innovations in antimalware, IoT security, behavioral analytics, and artificial intelligence, and its technology is licensed by more than 150 of the world's most recognized technology brands. Launched in 2001, Bitdefender has customers in 170+ countries with offices around the world.

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