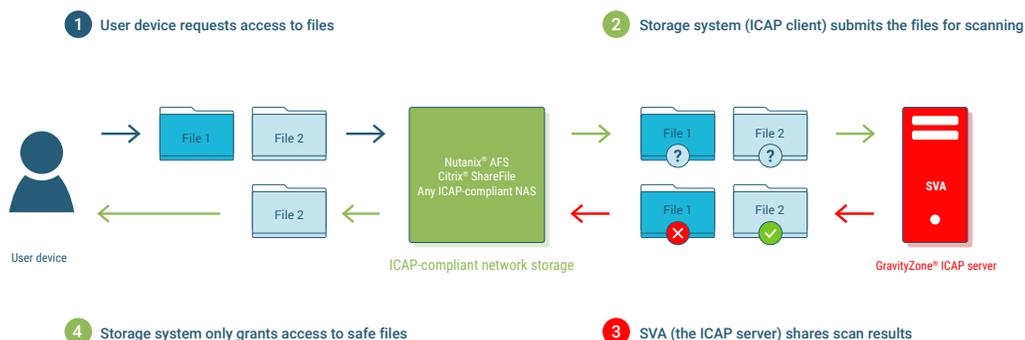


GravityZone Security for Storage

Digital transformation and expanding collaboration in the workplace put growing demands on shared storage systems. At the same time, increasingly sophisticated and prolific cyberthreats dictate the need for 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.

HOW IT WORKS

The GravityZone Control Center acts as a central management console for Security for Storage (and complementary Bitdefender solutions). One or more GravityZone Security Virtual Appliances (SVA) perform the role of ICAP server(s) providing anti-malware-analysis services to Network-Attached Storage (NAS) and file-sharing solutions compliant with the Internet Content Adaptation Protocol (ICAP, as defined in RFC 3507).



The process is illustrated in the preceding diagram. 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 (File 2 in the diagram), the storage system allows the user to access it. If the file is unsafe (File 1 in the diagram), access is prohibited.

In addition to on-access scanning, you can use Security for Storage to scan archives.

KEY BENEFITS

Unmatched Protection

Bitdefender's award-winning security technology is trusted by over 500 million users in 150 countries. GravityZone Security for Storage leverages this know-how 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.

Unlimited Scalability

GravityZone's web-scale, modular architecture lets you add a virtually unlimited number of ICAP servers (SVAs) on demand to support the increasing number of scan requests as your organization's workforce and data grow.

INDUSTRY-LEADING MACHINE-LEARNING TECHNOLOGY

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.

Bitdefender®

DATASHEET

Efficient Management

You can administer Security for Storage from the same central console as other GravityZone solutions, making it fast to deploy and easy to manage. Plus, system and threat-detection algorithms upgrade automatically, so they require no effort from you and will not disrupt your end-users. Security for Storage is highly configurable, allowing you to easily define policies and exclusions, set up default action for infected files, create custom reports, and trigger real-time malware-detection notifications to match your organization's requirements.

Broad Compatibility

Security for Storage has been validated with Nutanix® Acropolis File System (AFS) and Citrix® ShareFile, and it supports ICAP-compliant NAS solutions by Dell, EMC, IBM, Hitachi, HPE, Oracle, and others. If you have a variety of ICAP-compatible devices in your organization, GravityZone can protect your multi-vendor NAS estate from the same deployment, helping reduce the cost of storage-security infrastructure.

High Availability

The redundant design of the GravityZone platform (including multiple instances of its database, communication, or web servers) ensures its intrinsic resilience. Policy-based load balancing across SVAs eliminates single points of failure at the system level, ensuring uninterrupted security and high availability (configured and controlled by the ICAP client system.)

COMPLEMENTARY BITDEFENDER PRODUCTS

You can deploy and manage Security for Storage from the same on-premises console as the following Bitdefender endpoint-security solutions:

- GravityZone Advanced Business Security
- GravityZone Elite
- GravityZone Enterprise Security