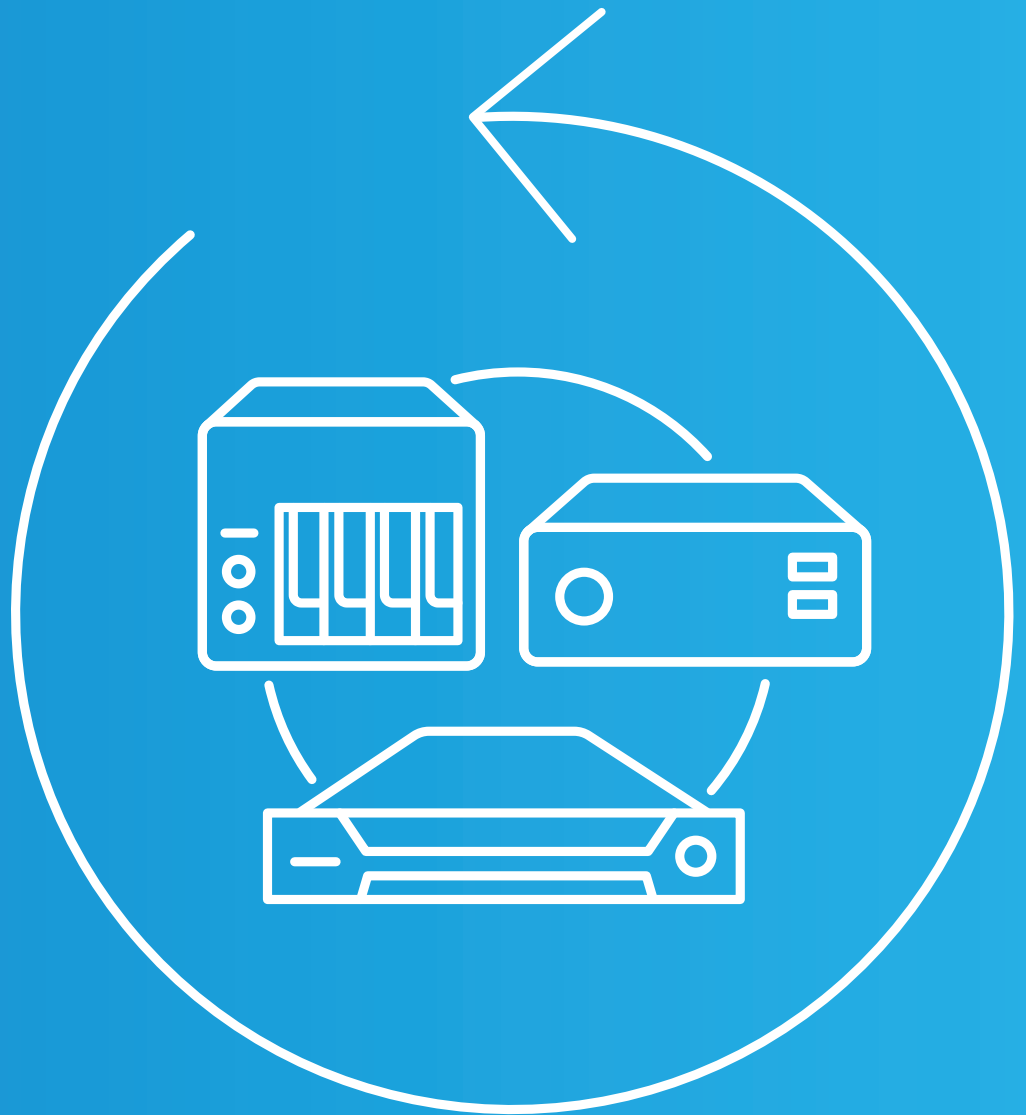


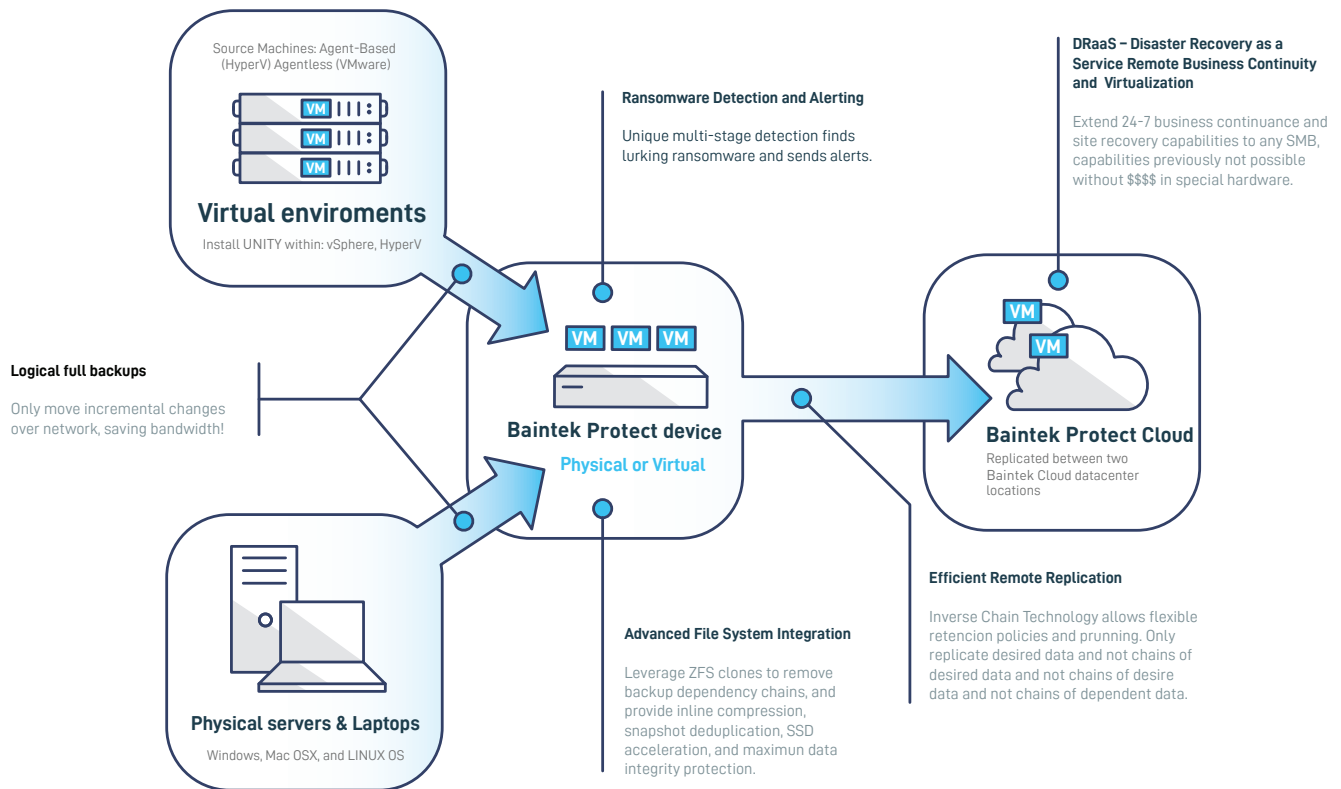
# TOTAL DATA PROTECTION PLATFORM



**baintek** | CONTINUITY

# RUN ANYWHERE. PROTECT ANYTHING. RESTORE ANYWHERE.

Baintek's business continuity solutions serve a rapidly expanding market. The company's cloud and family of software and hardware devices provide backup and recovery for all forms of locally stored business data. Our market leading solutions protect any physical, virtual and cloud infrastructure running on Windows, Mac or Linux. With Instant Virtualization technology, businesses can be up and operational within seconds after an incident. The company's suite of business continuity products comprise of Baintek Sense, Baintek UNITY, and Baintek NAS, all managed with a single web portal.



# UNITY 2

## ENTERPRISE BC/DR 500GB – 120TB

UNITY 2 is the first fully featured total data protection platform delivered in one integrated package. Easily protect any physical, virtual and cloud infrastructure running on Windows, Mac or Linux, and spin up lost servers in seconds without the need for additional tools. Backup automatically on your schedule to a local device, and replicate backups to the Protect Cloud. Recover granular data quickly from multiple points in time, and use local virtualization, Protect Cloud virtualization - or both - to get back to business in minutes.

Deployed as a physical, software or virtual appliance, UNITY 2 provides the business continuity features, tools, and management capabilities to get up and running fast. All three deployment options leverage award winning core technologies, service, support and central web management portal. If you need to ensure business continues even when business infrastructure fails, UNITY is the market leading solution for you.

### UNITY 2 APPLIANCES: 500GB – 120TB

Baintek's purpose-built UNITY 2 high-performance appliances are tailored to the specific requirements of the Protect software solution, and packed with the latest generation of components. Each comes complete with dual 10 gigabit ethernet interfaces, the latest generation of multi-core Intel XEON CPUs and DDR4 memory for increased performance, as well as IPMI for remote lights-out management devices come with a standard 5-year warranty. Storage capacity ranges from 500GB to 120TB, with field upgrades available to provide additional capacity as your business scales.

### UNITY 2 X APPLIANCES: All Flash/SSD 1TB – 12TB

The Baintek UNITY 2 X series redefines performance for the BDR industry. Configured with the latest solid state drives, the UNITY 2 X provides the full feature set of the UNITY 2 platform at blazing speeds unrivaled by anyone else in the industry. And like all UNITY devices, both can perform local virtualization directly on the appliance. A fully functional UNITY appliance in every regard, the UNITY 2 X line comes in two form factors:

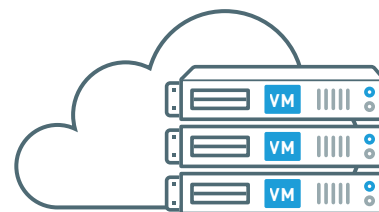
- **Business (1, 2, and 4TB small form factor chassis)**
- **Professional (4, 8, and 12TB RAID, 1U Rackmount)**

### UNITY 2 VIRTUAL APPLIANCES: 500GB – 60TB Virtual

The Baintek UNITY 2 Virtual appliance provides the full feature set of the UNITY 2 platform for businesses that prefer implementing a virtualized service. UNITY 2 Virtual supports VMware vSphere, Microsoft Hyper-V, and Citrix XenServer and is available in an array of local storage options, ranging from 500GB to 60TB.

### UNITY 2 IMAGED: Bring Your Own Hardware

Baintek UNITY 2 Imaged is a UNITY appliance built using a USB imaging tool. It converts a wide array of backup and disaster recovery (BDR) appliances, and other user-provided hardware, into a full feature Baintek UNITY 2 appliance. Simply insert the USB key into available hardware, and UNITY 2 Imaged will install the entire UNITY 2 platform.



## SENSE 2

### SMB BCDR 2TB



SENSE 2 is the cost effective, yet fully featured, Total Data Protection platform built for small businesses. Easily protect any physical or virtual infrastructure running on Windows, Mac, or Linux, and spin up lost servers in minutes in the secure Protect Cloud without the need for additional tools. Backup automatically on your schedule to a local device, and replicate backups to the cloud. Recover granular data quickly from multiple points in time, and use Protect Cloud virtualization to spin up lost servers. SENSE 2 comes with a one year service commitment which allows for no hardware cost upfront and only a monthly service fee. If you are a small business with business infrastructure to protect SENSE is the solution for you.

## NAS2

### CLOUD PROTECTED NETWORK STORAGE



NAS 2 is Bainetek's network-addressable storage platform, centrally managed and protected by the secure Protect cloud. Easily share files and folders on the local network, and replicate NAS snapshots to the Protect Cloud without any additional infrastructure investment. Store more locally, secure it, and back it up to the cloud forever with block level deduplication, and Infinite Cloud Retention. Whether you've lost a file or an entire volume, Protect NAS 2 gets your business files back, fast.

## SAAS PROTECTION

### CLOUD TO CLOUD BACKUP AND RECOVERY



SaaS Protection is the leading data backup and recovery platform for Software as a Service applications. Over three million users rely on SaaS Protection to manage, restore and export critical data in their Office 365 and G Suite environments. Easily protect SaaS data in the secure Protect Cloud, and restore lost or corrupted objects in seconds through the intuitive admin interface. Setup takes minutes and automated backups are created three times daily with the option to run additional backups on demand. Restore single files, objects or entire accounts to get back to business in no time.

**Choose from SaaS Protection for: Office 365 • G Suite / Google Applications**

# WHAT'S NEW

## HARDWARE UPDATES

### **UNITY 2 X 4TB, UNITY 2 X Professional: 4TB, 8TB, 12TB)**

Building on the success of the UNITY X all-flash releases, Baintek continues to expand this series of devices, which includes all the Enterprise-level features of UNITY in an all-flash appliance. Now available in Business models (1, 2, and 4TB) and rack-mounted Professional models (4, 8, and 12TB RAID).

### **SENSE 2**

We are pleased to announce a whole new Sense, with a fully refreshed hardware configuration. Sense 2 is now configured with an Intel dual core i3 2.1GHz CPU, 8GB RAM, 2TB of SSHD storage and can protect up to 4 source machines. The all new Sense 2 is available with either Time Based Retention or Infinite Cloud Retention per-agent pricing options.

## DISASTER RECOVERY IMPROVEMENTS

### **New BMR with Fast Failback and Rescue Agents**

Baintek's new process provides immediate failover to a local virtual machine, and ensures a no-planned-downtime BMR recovery once the source has been brought back up to date. This results in significantly reduced downtime vs traditional methods. To complete the Fast Failback cycle, a virtual "Rescue Agent" is created on the UNITY zdevice from any recovery point of the source machine. The Rescue Agent will retain all of the Source Agent's configurations until the source agent, or its replacement, is restored. Then, a new BMR is run and any subsequent backups of the live Rescue Agent are mirrored to the BMR destination. This ensures that whenever you want to bring the original machine back into service, it's ready and waiting.

### **Hardware Independent Restore on Virtualization**

Baintek now offers Hardware Independent Restore (HIR) on Virtualization. With it, an image is created only upon restore, rather than as a part of the backup process. Because this process requires fewer compute resources, more concurrent backups can be completed on a given set of hardware. These benefits are particularly important on larger devices with frequent backups and/or a large number of protected machines.

## EXPANDED VIRTUALIZATION FEATURES

### **VHDx export from both Devices and Cloud**

Now it's possible to create a full-system export of any backup, whether local or in the Protect Cloud. Simply select a point in time and download a fully working generic VHDx image of the machine for installation into any virtual destination.

### **Expanded Hypervisor Support & Methods**

Baintek continues to expand its protection of Virtualized data by adding support of Hyper-V 2012 R2 and 2016 to its platform. In addition, we have expanded backup support to include VMware 6.5 in an agentless capacity, and as a Virtual UNITY device.

# BAINTEK PROTECT KEY FUNCTIONALITIES

## IRIS

This is Baintek Protect's onboard OS and Application stack used on SENSE, UNITY, and NAS devices, providing all of the functionality of our award-winning Backup and Disaster Recovery solution. This allows us to clarify the distinctions between our hardware and software offerings, and ensures the best support of both. Further, IRIS adds new image based updates to the software stack, significantly reducing errors in the update process.

## Inverse Chain Technology

This proprietary technology eliminates broken backup chains. Each time a backup occurs on an appliance, data is converted directly into a virtual machine, with the most recent backup image always being the base image. Data is always available immediately, both on and off-site.



# SECURITY

## Ransomware detection

Baintek rocked the industry when it announced the first ransomware detection feature as part of the UNITY Total Data Protection platform. Ransomware, like most illicit software, leaves an identifiable footprint as it takes over a server, PC or laptop. Even from the very first backup, Baintek uses several proprietary methods for detecting the presence of ransomware. If ransomware is detected, UNITY notifies admins that they have a likely ransomware attack on their hands. From there, recovery is simply a matter of restoring from a previous backup. Stop worrying about ransomware and get back to business fast with UNITY, the total data protection platform.

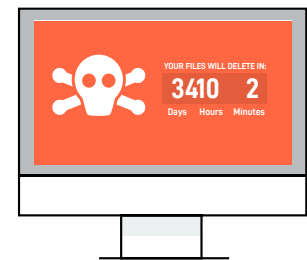
## End-to-End Encryption

All data is protected by AES 256 encryption both in transit and in the cloud. For Protect appliances, Partners have the option to encrypt data locally, and passphrases can be specified per appliance or per protected machine to meet compliance regulations.

## ZFS Encryption & ZFS Deduplication

On the Protect NAS series, we have expanded security capabilities beyond our existing AES-256 bit support, to include ZFS Deduplication. Encryption to ZFS sends encrypted changes to our servers in the Baintek Cloud. This is in addition to local and in-transit encryption methods already available with DNAS.

ZFS Deduplication performs block level deduplication of DNAS data as it is stored, greatly reducing the storage required to store data. ZFS deduplication can be turned off or on per share. For non-encrypted shares, deduplication is shared across shares. For encrypted shares, dedupe occurs within the share.



## Geo Replication

In addition to the existing ability to geo replicate between North American data centers, customers now have the ability to apply geo redundancy policies to UNITY backup images from UK and Frankfurt data centers. Simply select geo redundancy on a UNITY device, and a backup will be sent to the secondary datacenter automatically within the same region. If something happens in a disaster scenario and the primary data center is not available, the backup will be recoverable from the secondary data center.

## ENSURING BACKUP INTEGRITY

### Advanced Screenshot Verification

No more guessing if your backup is working properly. After backups are completed, Baintek Protect appliances can be scheduled to boot backups as virtual machines right on the local device. Once they boot, we capture an image of the login page to give you visual proof that your data has been successfully backed up. And what's more, we can ensure your critical applications boot as well. Need to know if a database is corrupted, or if a service is running? Baintek Protect now offers disk integrity checking and script execution to further ensure a backup is viable. Don't just think a backup is viable, know it is with advanced screenshot verification.

### NAS Guard

Not all network storage is protected by the cloud. This is why Baintek UNITY and NAS can mount other network storage devices, and automatically schedule and copy data from other devices to the Protect NAS. Once under the NAS Guard umbrella, this data is then protected just like any other data on the device, uploaded to the secure Protect Cloud, and available for restore at any time. Protect critical data that's stored within non-server storage.

## VIRTUALIZATION AND DISASTER RECOVERY

### Instant On-site and Off-site Virtualization

Backups from Protect appliances can be virtualized locally on the Baintek UNITY or to the secure Protect Cloud, instantly, with the click of a button. Should a local disaster occur, a business can continue as usual in the Protect Cloud. Even while virtualized, systems can perform a normal backup schedule to both the Baintek device and to the Protect Cloud.

### Hybrid Virtualization

Combining the power of instant off-site virtualization and the single click connectivity of instant local virtualization, on-prem servers are protected on Baintek appliances and mirrored automatically to the Protect Cloud. Hybrid Virtualization, available on all UNITY and Sense devices, improve fault tolerance while reducing the reliance on bandwidth speed. Easily restore by booting a virtualized node in Protect's cloud and managing it using local hardware.

# RESTORE

## Protect Insights

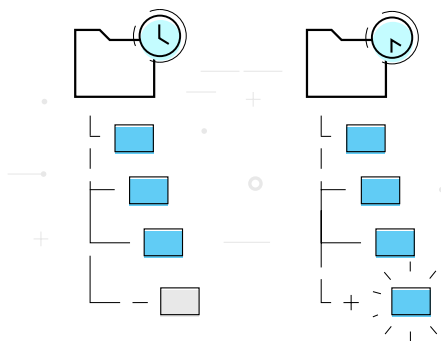
This groundbreaking proprietary technology on appliances allows you to identify file or application changes between any two backup points. You can easily find that deleted folder or determine which files a virus or ransomware has affected.

## iSCSI File Restore

Restoring files from a Windows system backup just got easier with iSCSI file restores. Using new embedded capabilities on the UNITY 2, files on any Windows image, including encrypted and deduplicated images, can be explored on the UNITY without booting the entire image. When the desired files and folders are found, UNITY can push them to any Windows device using iSCSI. Why does this matter? Because iSCSI file transfers are faster and preserves ACLs, maintaining permissions in the file transfer when the files are restored.

## Protect Drive – Enterprise Ready File Sync and Share

File sharing and collaboration is important to your business, but is often just too expensive for your team. Protect Drive is the file sync and share platform for business, privately deployed and protected by the secure Protect Cloud. Enable Protect Drive, locally or in the cloud, to keep files and folders in sync across platforms and share business files inside and outside of the organization. Whether in the office or on the road, collaborate with partners and employees anytime, anywhere, from any device to get business done, fast.



# CUSTOMER EXPERIENCE

## Award-Winning Support

Baintek Protect Direct-to-Tech Support is 100% in-house and available 24/7/365, so you can get help when you need it no matter what time of day it is where you are.

## Purchasing Options

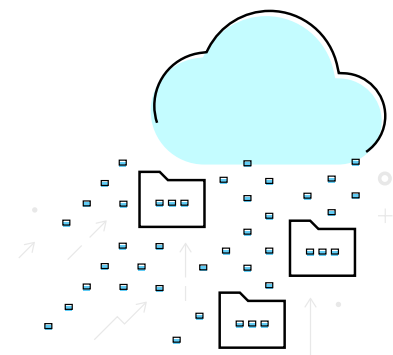
Whether a customer chooses a physical or virtual Baintek Protect device, the ongoing Service Contract options provide flexible choices for cloud-based data retention.

## Time-Based Cloud Retention

Baintek's unique billing model takes the guesswork out of cloud billing. Storage for appliances is based on time-frames versus trying to estimate how many gigabytes a customer may need.

## Infinite Cloud Retention

Keep data in the Protect Cloud indefinitely. Infinite Cloud Retention is perfect for long term archiving and organizations subject to regulatory requirements. As long as the customer continues their service plan, their Data is maintained in the Protect Cloud.



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