

Keeping Your Options Open: The Smart Strategy for Data Protection

Data protection shouldn't lock you in. Get data protection for today that scales for tomorrow. Take a look at three options you need to consider:

1. On-premise appliances
2. Cloud services
3. Hybrid on-premise appliances with cloud services

Option 1 On-prem enterprise-class purpose-built backup appliances (PBBAs)

PBBAs can automate backups and speed restores. What features should you look for?



1. How can a PBBA help me simplify backup and recovery?

An enterprise-class PBBA can help you automate backup with a simple, self-service solution so you don't have to worry about integrating and managing different devices or deal with the frustrations of tape backup.

2. Why is a PBBA better than tape backup?

If you've have tape backup, you know its shortcomings: mechanical failures, incomplete restores, lots of manual work and long backup times. You have to physically mount and unmount tapes and transport them offsite for storage. Then, when you need to restore data fast, you have to get the tapes out of storage.

3. How fast can I restore in the event of a data failure?

With an on-prem backup appliance, there's no need to retrieve tapes from storage to get your data back. Plus, you don't need to waste time physically mounting tapes. You can usually restore from your appliance in minutes—*rather than hours or even days!*

4. What features should I look for in an enterprise-class PBBA?

The first thing to consider is security. An enterprise-class appliance needs to provide data encryption. You'll also want a PBBA that minimizes power consumption, floor space and cooling requirements to save energy, space and money. If you want to add cloud backup in the future, choose a PBBA that offers deduplication so only changed data is sent to the cloud—*decreasing backup time, freeing up bandwidth during replication, and saving on the cloud storage capacity.*

Option 2 Cloud backup and disaster recovery (DR)

When disaster strikes, your data is safe in the cloud. Keep your business running when everything around you crashes.



5. Why do I need cloud backup?

The cloud provides cost-effective backup and DR, archive, query and other less critical data operations. You pay only for the capacity you need, adding more capacity as your data volume grows.

6. Is my data really safe and secure in the cloud?

Your data is safe. Data can be encrypted onsite, in transit and at rest in the cloud—while you control the encryption keys. Next, insist on an SSAE 16-certified data center, the gold standard for security. Finally, if your organization requires dedicated space, you can get it. If you don't need that level of security, consider lower-cost colocation.

7. Can I simplify upgrades as the data volumes grow?

Make sure your solution scales painlessly as data expands. Look for a cloud provider that provides scale-up architecture to add capacity to the same unit or scale-out architecture designed to add devices without disruption. “Clustering” allows you to add an appliance to a cluster and manage the entire cluster as a single vault via one management console.

8. What happens if a disaster takes out my onsite systems?

If a major disaster takes out your local data center, your organization can operate from the cloud without significant downtime (less than an hour with a 1-hour SLA) until you get your local systems up again.

Choose the best solution for your environment today, keeping an eye on the future. As your needs change and expand, make sure you have a vendor like Seagate EVault that can grow with you every step of the way.

Option 3 Hybrid cloud data protection

As businesses grow, they often find that fast local restores and low-cost secure cloud backup offer the perfect blend that grows with them.



PBBAs and cloud team up to give you the best of both worlds.

9. What exactly is hybrid cloud data protection?

Hybrid cloud data protection means you get easy-to-manage, reliable local backup and fast restores combined with a cost-effective extra layer of protection in the cloud.

10. What are some advantages of a hybrid cloud solution?

With on-prem appliance and cloud backup integration, the cloud provides secondary backup for your data should your local systems go down. The cloud can also provide you with “burst operations,” giving you additional capacity for a brief period without having to add permanent extra capacity on-prem.

11. Is it possible to offload all our backup and DR to a managed service provider?

A managed service provider (MSP) can take care of all your data backup and DR needs today and eliminate complex and disruptive upgrades as you grow. Here are some things to look for:

- Option to keep data in your own data center or in your service provider’s private cloud
- Self-healing automated data dispersal technology that guarantees data is optimally distributed within one or more geographically dispersed data centers with failover enablement
- Separate data and metadata distribution and storage

12. Is there an advantage to working with a single vendor for our hybrid cloud solution?

A single vendor ensures that your on-prem and cloud solution is optimally integrated and management is centralized through one console. In terms of security, when working with more than one vendor “you get the least common denominator between them to provide interoperability.”¹ Even if both have good security, you may not be able to take advantage of it if the systems are incompatible.

If you choose a hybrid cloud solution, choose one that gives you simple, centralized control and management—no matter what kind of environment you have (physical-to-virtual, virtual-to-virtual, etc.). Insist on end-to-end encryption and physical data center security. Optimize your systems with deduplication, compression and full support.

Do you want more information? [Visit our website](#) or call us at 866-766-2186.