

# Symantec Backup Exec™ 2010 Early Adopter Program FAQ

Time to Leverage Deduplication Everywhere!

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## **How long does the Symantec Backup Exec Early Adopter Program run?**

The Early Adopter Program will run from October 19, 2009 through February 1, 2010.

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## **What are the benefits of participating in the Backup Exec 2010 Early Adopter Program?**

As a registered participant you are able to test out the latest beta version of Backup Exec 2010 deduplication technology and provide valuable feedback toward refining the final release candidate available in early 2010. You will have the opportunity to share your technology insights and have 1:1 forum discussions with Backup Exec Product Management via our Symantec Connect online forums to gain more insight on how to optimize your Backup Exec deduplication infrastructure.

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## **If I am interested in signing up for the Early Adopter Program, how do I get started?**

Contact your local Symantec partner and let them know you are interested in joining, they will be able to set you up with additional resources to get started. If you have already contacted your partner and you are ready to download, please join the private Symantec Connect user group for the Backup Exec Early Adopter Program at [www.backupexec.com/2010](http://www.backupexec.com/2010) for all the download details and current forum support sites.

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## **How does the Backup Exec 2010 Early Adopter Program differ from the private beta for Backup Exec 2010?**

The Backup Exec Early Adopter Program is focused only on testing the new integrated Backup Exec 2010 Deduplication technology and is open to a wider community of Symantec customers and partners.

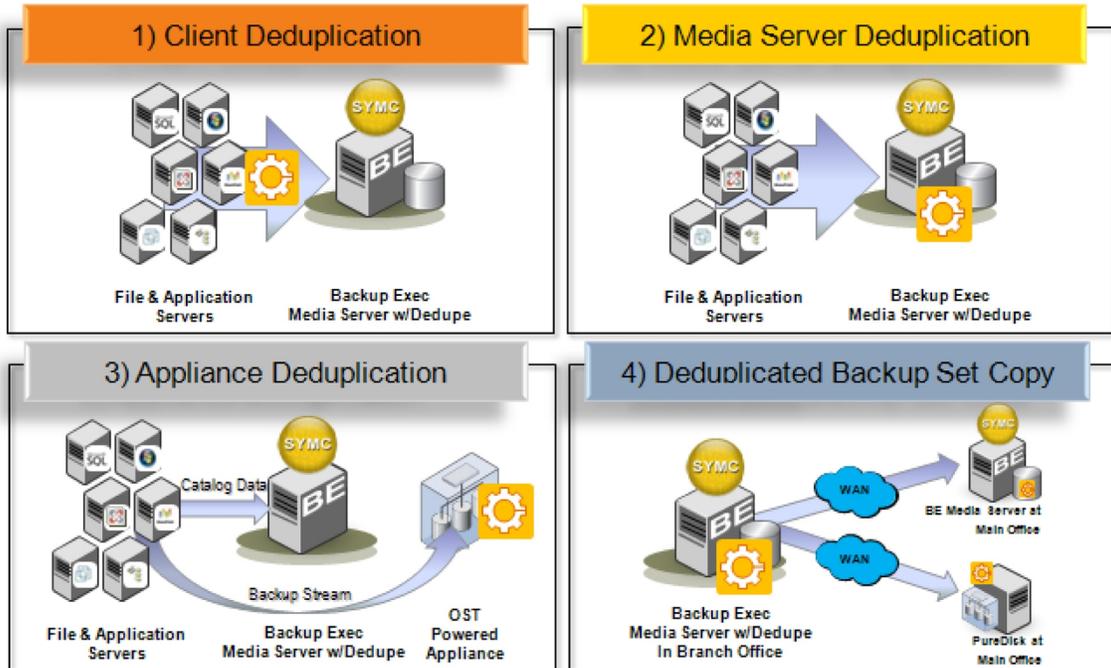
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## **What are the benefits of implementing Backup Exec 2010 integrated deduplication?**

Overall deduplication reduces/eliminates redundant backup data allowing you to reduce network utilization and effectively utilize existing storage capacity – reducing overall storage costs. Backup Exec 2010 integrated deduplication technology (using NetBackup PureDisk technology) delivers flexible deduplication options to optimize your backup environment.

**What type of deduplication offerings will the Backup Exec 2010 Early Adopter Program provide?**

Backup Exec 2010 will provide four different ways to deduplicate your data, providing expanded flexibility to optimize your backup infrastructure. Each way provides unique benefits:



1. **Client Deduplication**—Deduplicates data at the remote Client Server before it moves across the network to the Media Server/storage destination. Data is stored in deduplicated form.

- Designed for remote-office backup and protection. Reduces the amount of data sent over a network and the associated backup window.
- Reduces overall storage cost and storage requirements.
- Ideal for customers who are restricted by limited network throughput and looking to reduce their network utilization.
- For environments where administrators are less concerned with an impact to a client machine with the deduplication processing overhead.

*Supports:*

–Certain Windows-based Agents (see table below that compares Agent support for dedupe) can use Client-Side Deduplication

**2. Media Server Deduplication**—Deduplicates data at the Media Server.

- Designed for businesses who want to reduce the amount of backup data they store to disk at the Media Server, reducing the need to purchase more storage to satisfy backup storage requirements.
- Ideal for customers who are not restricted by limited network throughput—LANs or other higher-speed network connections.
- For environments where administrators do not want to impact servers other than the Media Server with deduplication processing overhead.

*Supports:*

- All Backup Exec Agents support Media Server deduplication.
- Deduplicates virtual server environments combined with the Agent for VMware and the Agent for Hyper-V.

**3. Appliance Deduplication**—Is designed to allow intelligent deduplication disk devices to natively integrate with NetBackup and now Backup Exec 2010 environments.

- Designed to allow customers to utilize 3rd party deduplication disk devices that ship with Symantec OST plug-ins to seamlessly managing their hardware deduplication solution with Backup Exec 2010.
- Provides customers with existing investments in hardware-based deduplication appliances to achieve faster backups by using the Symantec OST plug-ins enabled by Backup Exec 2010 deduplication technology.
- Ideal for customers looking to implement new hardware-based deduplication appliances that are architected to minimize impacts on source systems (Exchange servers, file servers, etc.) – they instead can use 3rd-party appliances to perform deduplication as well as leverage other vendor specific features.

*Supports:*

- Because hardware vendors must first develop and then certify their OST plug-in before they release it to the market with their dedup appliances, Backup Exec 2010 OST will only support a limited number of vendors at this time. If you are currently using hardware deduplication, please contact your hardware vendor to determine if they have an OST plug-in for Backup Exec 2010 which can be utilized with your device.

**4. Deduplicated Backup Set Copy**—Automates the transfer of Backup Exec 2010 deduplicated backup sets from one Media Server to another or to a NetBackup PureDisk™ Storage Pool.

- Designed for customers who want to reduce data across a larger distributed environments. Backup copies from a remote office can be deduplicated before it is backed up to a central Backup Exec Media Server or a central NetBackup PureDisk environment.
- Ideal for customers looking to integrate Backup Exec running at remote offices with a main datacenter running NetBackup PureDisk with minimal costs and infrastructure change. Now users can leverage the simple front-end application support of Backup Exec with the robust ability of a PureDisk Storage Pool on the back end.

*Support:*

- Supports the use of PureDisk Storage Pools in conjunction with Backup Exec 2010 Agents. Backup Exec 2010 Agents can write directly to a PureDisk Storage Pool.

**Will integrated deduplication be supported across all supported Backup environments?**

Backup Exec 2010 will support the following deduplication configuration per Agent.

Deduplication method and support by Symantec Backup Exec™ Agent	Client dedup	Client dedup with Granular Recovery	Media server dedup	Media server dedup: with Granular Recovery	Application dedup
Agent for Windows® Systems (file system backup)	✓		✓		✓
Agent for VMware Virtual Infrastructure (AVVI)	✓*	✓*	✓	✓	✓
Agent for Microsoft® Hyper-V (AMHV)	✓*	✓*	✓	✓	✓
Remote Agent for Linux® and UNIX (RALUS)			✓		✓
Agent for Symantec Enterprise Vault™	✓		✓		
Agent for Exchange	✓	✓	✓	✓	✓
Agent for SQL Server®	✓		✓		✓
Agent for SharePoint®	✓	✓	✓	✓	✓
Agent for Active Directory®	✓	✓	✓	✓	✓
Agent for Oracle® on Linux			✓		✓
Agent for Oracle on Windows	✓		✓		✓
Agent for SAP	✓		✓		✓
Agent for Lotus® Domino®	✓		✓		✓
Agent for DB2	✓		✓		✓
Agent for NetWare			✓		✓
Remote Agent for Macintosh Systems (RAMS)			✓		✓
Remote Media Agent for Linux (RMAL)			✓		✓

\* This requires a Symantec Backup Exec™ Remote Agent for Windows Systems to be installed within the guest machine.

**With Backup Exec 2010 integrated deduplication technology what type of data reduction rates can be expected?**

Backup Exec 2010 is still in beta development so final reduction rates are not fully tested. The current beta deduplication ratio range is estimated at approximately 10:1 to as high as 20:1 (data type dependent) based off of Symantec’s latest internal testing.

**What’s the difference between Backup Exec 2010 deduplication technology and NetBackup PureDisk?**

Backup Exec’s Deduplication Option’s Software deduplication technology is a Windows implementation of NetBackup PureDisk 6.6. Because of this, customers have the flexibility to use Backup Exec 2010 integrated software-based deduplication as a standalone solution, or use Backup Exec to write directly to a PureDisk Storage Pool.

**Backup Exec 2010 Deduplication Option:**

Ideal for Windows centric businesses looking to reduce their backup windows and storage costs through integrated Client-Side or Media-Server side deduplication or by integrating with an OST appliance or a NetBackup PureDisk environment.

**NetBackup PureDisk:**

Ideal for customer who are running a large distributed enterprise and are managing more than 32 TB or more of dehydrated data. With NetBackup PureDisk users will also have added enterprise support for:

- Global deduplication support
- Heterogeneous source-side deduplication support
- Veritas™ Cluster Server and Storage Foundation™ for Linux for high-availability of the deduplication data store
- Replication of deduplicated data between remote offices and central offices
- Users who prefer Linux-based back-end storage

**Backup Exec and PureDisk Deduplication Comparison:**

Feature	Backup Exec 2010 Deduplication Option	NetBackup PureDisk 6.6
Client dedupe	Yes	Yes
Media server dedupe	Yes	Yes
Data per media server	16 TB	32 TB
Dedupe set copy	Yes	Yes
HA/Clustering	No	Yes
Global dedupe	No	Yes
Media server platforms	Windows	Windows, Linux
Application dedupe	Yes*–Windows	No

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**How will deduplication be licensed with the release of Backup Exec 2010?**

With the release of Backup Exec 2010 there will be a new Deduplication Option which will be licensed per Media Server environment. Once the Deduplication Option license has been activated there is no need to deploy a separate Agent to enable deduplication. The Agent for Windows Systems (AWS) includes all the components necessary to perform client-side deduplication. Both client-side deduplication and media-server side deduplication technology is integrated in Backup Exec 2010. For the purpose of the Early Adopter Program- all licenses have been activated and will run through March 31, 2010 before they expire.

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**Will the release of Backup Exec 2010 provide other features besides integrated deduplication?**

Yes-there will be many other first-to-market features but the focus of this Early Adopter Program is solely on integrated deduplication technology.

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**What are the system requirements for running Backup Exec 2010 deduplication?**

Backup Exec Deduplication Option requirements:

- x64-bit Media Server
- One Quad-core or 2x dual-core processors
- 1GB physical memory for each 1TB of deduplicated storage used
- If the Deduplication Option is used in conjunction with PureDisk, v6.6 of PureDisk is required.

Deduplication Option with 3rd-Party OST Providers:

- An OST plug-in for Backup Exec 2010 must be provided by your de-duplication hardware appliance vendor to provide OST integration.
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### **What type of technical support will I get as part of the Early Adopter Program?**

The Early Adopter Program provides online forum support via a private Symantec Connect Early Adopter User Community. To provide feedback and get additional support, please join the early the Backup Exec Early Adopter Community at [www.backupexec.com/2010](http://www.backupexec.com/2010).

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