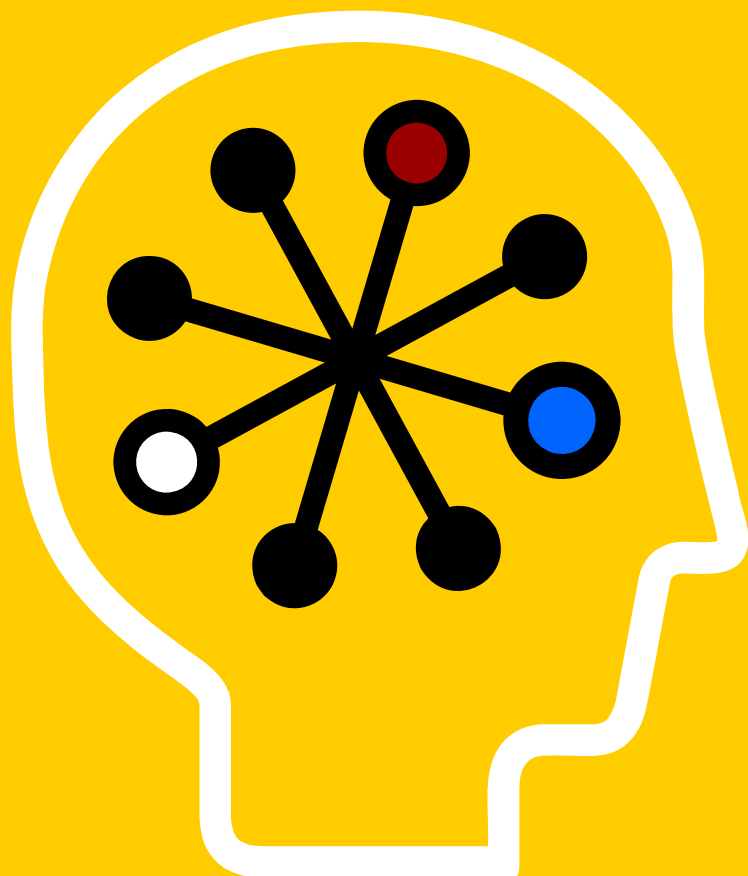




# HP Data Protector software

Version 6.1 Beta Release: What's New



Worldwide Product Marketing  
HP Software – Information Management

July 2008

HP Confidential

Technology for better business outcomes

# HP Data Protector 6.1

- Beta Release: July 2008

- New application/platform support
  - Windows Vista / Server 2008
  - VMware ESX 3.x on-line backup
  - Linux, HP-UX IA-64 GUI
- Improved scalability (50-100%)
- New security capabilities – improved encryption with centralized key management (AES & LTO4)
- Integrated virtualization including VMware on-line backup
- New data deduplication options
  - Backup to HP Integrated Archive Platform (with full content search)
  - Backup to HP Virtual Library System with Smart Copy
- Change log for faster backups / no “tree walk”
- Improvements in ease of use, scheduler enhancements



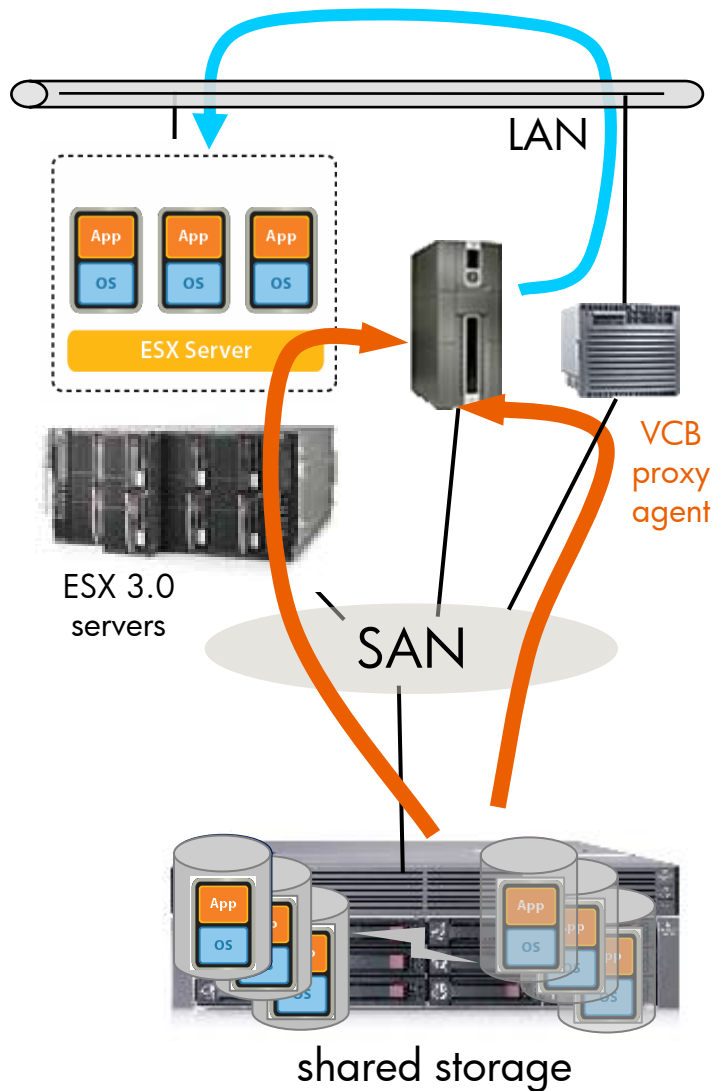
# HP Data Protector 6.1

## Encryption: Key Management



- Centralized key management
- LTO-4 enablement & key management
- Supported clients:
  - Windows, HP-UX, Solaris, Linux 64-bit
- Application Agents
  - SQL Server 2005
  - Oracle 10g HP-UX 11.x IA64
  - Other application agents can be certified after release
- Keys can be imported / exported
- Key file is *required*
  - No decryption without this file!

# HP Data Protector 6.1 VMware Online Agent



## • Description

- Managed via GUI / CLI, push install, ...
- Snapshot based crash consistent on-line backup of all VMware Virtual Machines
- console based snapshots and VCB supported
  - File level backup & restore of Windows Virtual Machines only for VCB
- incremental snaps for console based snapshots
- Windows / Linux on-line backup license required

## • Usage

- Backup and recovery of VMware Virtual Machines
- LAN free backup

## • Benefits

- Ease of use
- Optional SAN based backup
- Offload backup from ESX server & VMs
- Full virtual machine recovery
- Single file restore for Windows
- Support of other VMware Infrastructure components

# HP Data Protector 6.1- E-Discovery Archiving to HP IAP with Full Content Search



## Description

Moves client data into the HP Integrated Archive Platform for archiving and e-Discovery.

## Usage

- Full content search
- End user restore
- Full file level data search
- Single file restore
- Separate file restore
- Full file level security, incl. ACL
- File level single instancing

## Benefits

- Single agent for backup & archive
- Consolidate and Centralize

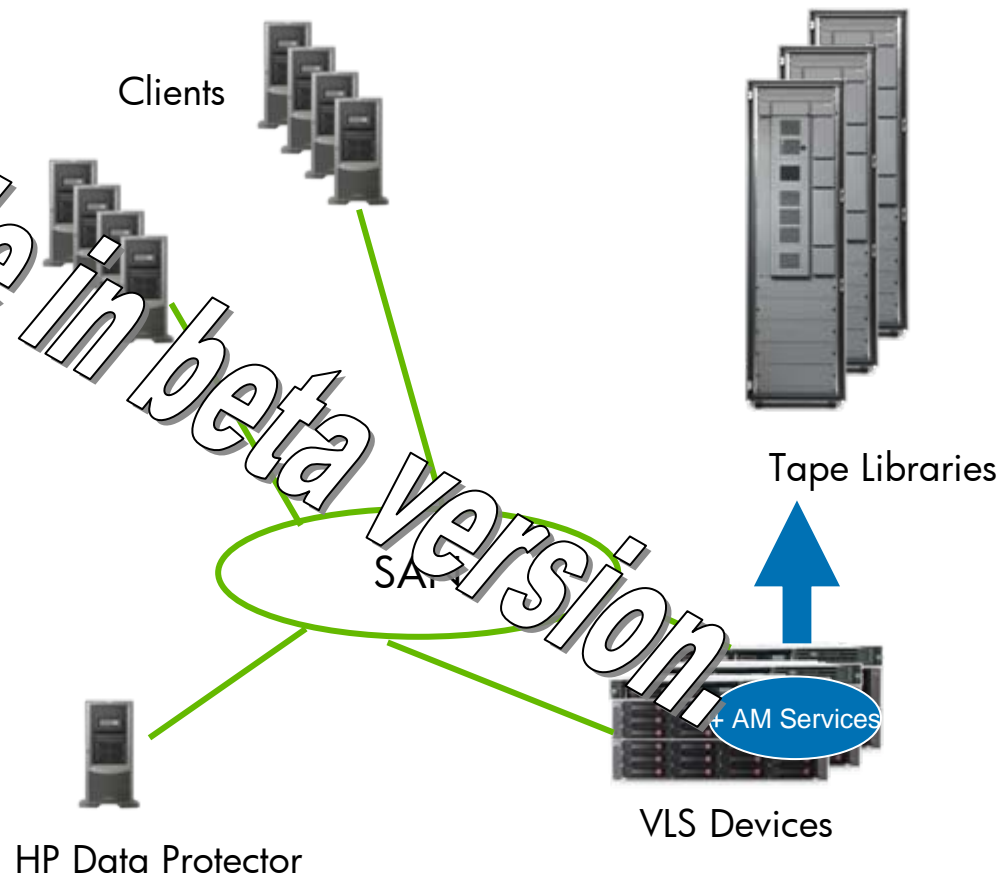
Eliminate Information Silos →



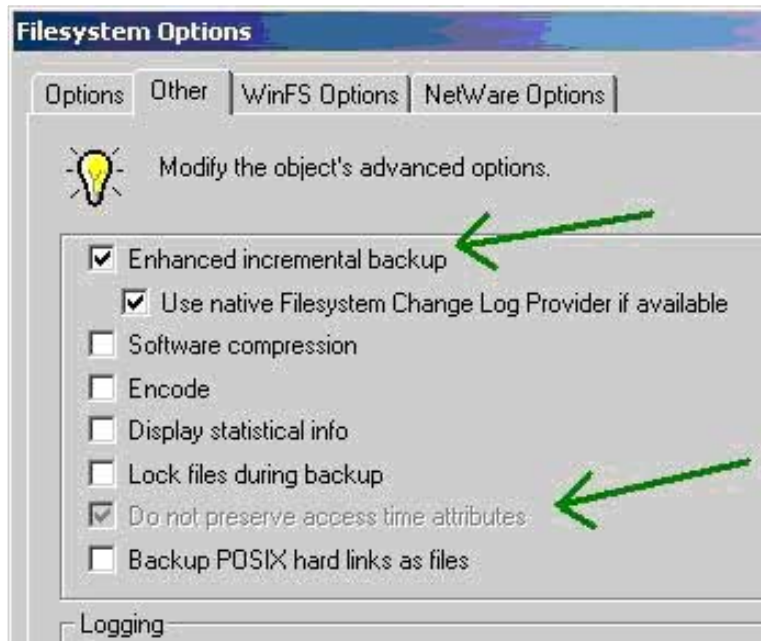
# Also in 6.1: VLS Smart Copy

## Unique integration with HP Data Protector 6.1

- HP Data Protector (DP) 6.1 implements Smart Copy to enable Smart Copy
- Allows VLS to manage movement of data to physical tapes while keeping DP informed
  - Reduces SAN copy traffic and frees up backup server resources
  - Simplifies the tape copy process through policy controls
  - Reduces number of jobs to schedule



# Improved HP Data Protector 6.1 Windows Change Detection



## Description

Uses the Windows built-in change journal to get a list of files that have changed since the last backup.

## Usage

- Faster incremental forever
  - Synthetic & Virtual Full
- Enables near CDP (Continues Data Protection)

## Benefits

- Avoid timely tree walk on systems with many small files
- Allows more frequent backup as impact on system is reduced
- Faster incremental backup

# New application support in 6.1

- Exchange 2007
  - On-line backup
  - Single Mail / Folder Recovery
  - VSS
  - ZDB / IR EVA
- SharePoint Portal Server 2003
  - On-line backup (full & incremental)
  - Full recovery of a server and server farm
- MaxDB on Windows and Linux x64
- Oracle 11g
- Oracle RAC backup with all nodes backup in parallel (SBT 2.0 API)
- Oracle archive log restore via GUI
- Oracle 10g
  - HP OpenVMS IA64, Alpha
  - Solaris 10 x64
- SAP brtools 7.1
- DB2 9.x
- DB2 on Windows and Linux x64
- Informix IDS 11
- Informix on Linux x64
- Lotus Notes 8
- ZDB for EMC DMX on Windows 2003 32bit, IA64
- HP Data Protector Media Operations 6.1
- Applications on HP-UX 11.31: Oracle 9i/10g, SAP brtools 7.x, Informix, MaxDB, DB2, Sybase, XP, EVA, EMC





