# HP StorageWorks Enterprise Systems Tape Library –
# Animation Voiceover – transcript

No-one understands more about tape storage than HP. We are the number one tape and library vendor in the industry. Why?  Because we  listen closely to our customers' needs. In the enterprise data centre, that means delivering SAN-enabled 24-by-7 operation, flexibility, scalability—and total system manageability.

HP delivers more, because our customers demand more.

Now, HP announces the a new member to our ESL family  of enterprise tape automation solutions.

The HP StorageWorks Enterprise Systems Library E - series

 The HP ESL E-series is the only 24-drive library in its class. It blends flexible enterprise drive technology with integrated manageability—all in one small footprint.
This best-in-class tape library delivers a  SAN-ready, ultra reliable solution for fast backup and restore of valuable data. With advanced network connected management and configuration tools the HP ESL E-series sets new standards in Enterprise storage.

At 28.5 terabytes per square foot, the ESL E-series boasts the highest density footprint of any enterprise library in its class. It features a maximum configuration of 24 tape drives and up to 712  Ultrium or 630 SuperDLT tape cartridge slots in a single frame.

And there's more. The HP ESL E-series provides optimum investment protection supporting future LTO and SDLT technologies as they become available. It will also provide seamless migration to future Fibre Channel  technologies as they becomes available.

Our customers asked for enhanced bulk loading capacity. So, the new HP ESL E-Series features  an extended media load port. Customers now have the advantage of a fast, configurable, easy to use solution, which can load or unload up to 48 cartridges in one operation. Internal bar code reading capability means that library inventory time us reduced to less than 5 minutes.

High availability and ultra reliability come as standard on the HP ESL-e Series, thanks to modular, hot-swappable drives, power supplies, and fans. Dual, N+2 redundant power supplies and cooling fans are of course standard.

HP's exclusive Interface Manager hardware and Command View ESL software provides  a 'single pane of glass' library management solution via  an IP network.

The Enhanced Interface Controllers  save time and decrease costs delivering both high performance and reliability. Fully integrated with the Interface Manager hardware and software, configuration into a SAN environment becomes a simple task .

The HP ESL-e Series also features multi-unit expansion for unprecedented scalability. Up to 5 ESL-e Series libraries can be connected together to create a unified 3,000 slot and 116 drive environment.

The HP Extended Tape Library Architecture decreases both costs and administrative work through enhanced manageability from any location. It greatly simplifies configuration in a SAN. Instead of having to configure each interface controller and tape drive separately, a simple web based configuration wizard enables the entire library to be configured in 4 'mouse clicks'. The ESL E- series is of course certified for use with HP Data Protector and leading enterprise  backup applications.

Security is a top priority and here HP Secure Manager ESL can be deployed to block out rogue, non-authorised servers. This secure-path approach ensures that only pre-determined servers can be connected to your SAN environment and is particularly useful in a heterogeneous server environment.

The HP ESL E-Series and  Command View ESL software provides proactive, round-the-clock monitoring of the complete library environment. In the unlikely event of a problem occurring, the root cause of the problem is quickly identified and passed to HP OpenView Storage Area Manager — with instant email alert to the appropriate authority.

HP's successful Library and Tape Tools diagnostics rapidly identify any hardware problems within the ESL E-series library and its SAN connections. Important log

information from the robotics, drives and interface controllers can be passed to HP support centers if necessary for pro-active on-line maintenance.

The library is also a platform for a multitude of future advanced functionality. Path failover, library partitioning, tape mirroring, and performance optimizer are just some of the leading edge features planned for future release in HP's Extended tape library architecture.

Only HP can deliver a complete data protection solution comprising of hardware, software applications and to tape media.

The HP ESL – E series has evolved  its DNA from the illustrious line of hp libraries that have preceded it. Specifically designed for a simplified, consistent and faster integration into your SAN environment, the HP ESL E- Series optimizes return on investment through best-in-class library management, ease-of-use, reliability, and advanced features.

With HP, everything is possible.