PRETON TECHNOLOGY OVERVIEW

August, 2011
What is PretonSaver™ ................................................................. 3
PretonSaver's Primary Components ............................................. 3
  PretonCoordinator ..................................................................... 4
  PretonControl .......................................................................... 4
  PretonSaver Client ..................................................................... 4
PretonSaver™ Key Features ......................................................... 5
System Architecture ..................................................................... 6
  A typical PretonSaver™ implementation .................................... 6
  Citrix and WTS Environments ................................................... 6
Supported Environments ............................................................... 7
What is PretonSaver™

PretonSaver™ is a unique patent-pending print management software that enables companies to save up to 50% of printing costs and to become more environmentally responsible. PretonSaver™ is successfully sold in four continents; tens of thousands of users including Fortune 100 companies are saving money with it every day.

With printing costs increasing every year and estimated to be up to 3% of a company’s overall revenue, reducing printing costs is becoming a strategic investment for many IT professionals. PretonSaver™ offers a complete and effective solution for reducing and controlling these costs.

Through its patent-pending algorithmic software, PretonSaver™ optimizes the amount of toner used per printed page and thus reduces toner and ink consumption by up 25%-50%, without a noticeable difference in quality.

In addition, Preton’s technology offers a complete corporate print audit trail as well as reports, important statistics and data on an organization's printing habits and trends. All of this provides insight into how a company's internal print resources are being utilized. Finally, PretonSaver™ enables the implementation of print privileges and policy enforcement across the board.

PretonSaver’s Primary Components

PretonSaver™ is comprised of three software components:

- **PretonCoordinator** - central management software responsible for report generation, creation of print rules, user and license management and the management of the PretonSaver’s database.
- **PretonControl** – the system’s management user interface
- **PretonSaver client** - responsible for consumables optimization, applying print rules and print job data collection, normally located on every workstation.
PretonCoordinator

PretonCoordinator is system’s central management component. The coordinator manages PretonSaver clients; collects print job data and statistics, generates reports and applies print rules.

The PretonCoordinator is located on an enterprise server (it doesn't require a dedicated server), it holds the application's database and uses standard Microsoft DB, SQL Express or MS SQL Server.

PretonControl

PretonControl is the system’s management user interface; it allows the configuration of different print rules for groups, users and printers, and the generation of audit reports for print parameters. PretonControl can be installed on the same machine as the PretonCoordinator or on a remote desktop. The PretonControl requires a separate installation.

PretonSaver Client

PretonSaver client is responsible for the toner and ink optimization, print job tracking and the implementation of print rules. The client resides on the machine that emulates the print job with the driver. In most cases it would be the user's desktop. In organizations where applications are on remote servers like MS Terminal Services and Citrix the client can be installed on the application server. This allows PretonSaver to support of all print activities carried on the application server with a single client installation.

The client can be distributed to workstations via MS Active Directory, a standard software distribution tool, a logon script or installed manually. Preton provides both Install Shield and MSI installation packages.

* All three PretonSaver components are sold as one product.
PretonSaver™ Key Features

- Optimizes the usage of both the toner and ink for your printer (0% - 70% saving)
- Central management of print rules, including print quotas, user privileges, duplex and N-up enforcement
- Accurately measures page coverage for each printed page
- Supports Inkjet and LaserJet Printers in the one integrated solution.
- Compatible with major printer vendors
- Tracks every print job carried out and allows print policies to be enforced on groups and users
- Automatic insertion of watermarks to printed pages (e.g. company logo)
- Seamlessly integrates into all Windows environments (Win 2K and up).
- Simple and easy deployment
- Can be implemented within Citrix & MS Terminal Services environments
- Does not require print server architecture.
- Handles local and network printers
- Supports all driver languages (including PCL and Postscript)
- Works with your existing printer drivers
- Has no noticeable overheads in operation
- Highly scalable in operation
- Can be implemented with minimal IT resources
- Centralized management and reporting GUI
System Architecture

PretonSaver uses a multi tier Client/Server architecture base on .Net remoting technology. Designed as robust and scalable software, the PretonSaver is built to efficiently serve tens of thousands of clients with minimal network resources. PretonSaver is running smoothly on LAN/WAN/VPN over Windows and Novell networks.

PretonSaver was designed with a failsafe architecture which allows for printing to continue as usual in case the PretonSaver or one of its components is down or in case of a network failure.

A typical PretonSaver™ implementation

![System Architecture Diagram]

Citrix and WTS Environments

Organization that use applications on remote servers like Citrix and Windows Terminal Services (WTS), and thin/fat client desktops, can implement PretonSaver™ on application servers.
Implementing PretonSaver™ in a Citrix or Windows Terminal Services (WTS) requires a single installation on each Citrix/WTS machine. The PretonSaver™ client identifies each user session as unique and performs its tasks like it was installed on the users’ workstation.