

Simply Better Printing – in Any IT Architecture

Feature	Description	Printing from desktop PCs	Printing with virtual desktops
High availability for print servers	If a print server is unable to be used, another print server in the same group automatically takes over. In addition to overseeing print server availability, ThinPrint also reacts to print specific health issues.	✓	✓
Server load balancing	By evenly spreading the print volume among the print servers in a group, load balancing ensures optimal printing performance.	✓	✓
Easy server maintenancing	IT can set one or more print servers in maintenance mode. Transparent for users, their printers will be automatically re-connected to other print servers.	✓	✓
Printer failover and load balancing	If a ThinPrint Client is unavailable, it is automatically replaced by another one. ThinPrint Clients with identical configurations are also suitable for performance-enhancing, client-side load distribution.	✓	✓
Printer Self Service	Employees can search for additional printers by printer name, feature and location, define their favorites and adjust settings themselves. The Printer Repair feature offers easy-to-use first aid.	✓	✓
V-Layer™ – keeps all desktops free of printer drivers	A virtual printer driver, the ThinPrint Output Gateway, replaces all printer drivers on the desktop (Driver Free Printing). Original printer drivers are maintained only centrally on the print server.	✓	✓
Advanced Adaptive Compression	Intelligent compression process that adapts to the print job content and the available bandwidth and reduces print data by up to 98%. The results are fast printing and no more bandwidth congestion because compression is applied at every point and with all protocols.	✓	✓

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User-defined compression	Within the compression levels preset by the administrator, users can adjust specific compression.	✓	✓
ThinShare	Compression anywhere the ThinPrint Output Gateway virtual driver is used, without additional software installation. This enables the compression from a PC in a branch office to the central print server, for example. ThinShare also provides compression of print data on the wireless network, thereby avoiding bandwidth bottlenecks.	✓	✓
Automatic printer mapping by AutoConnect	ThinPrint AutoConnect ensures that the desired printers are always available to users.	✓	✓
Mixed 32-bit and 64-bit print environments	Reliable printing where mixed 32-bit and 64-bit operating systems are being used on servers, client PCs or virtual desktops. Example: Migrating to 64-bit does not require any investment in new printer hardware, not even if there are no 64-bit printer drivers available for existing printers.	✓	✓
SSL/TLS encryption	Transmission of print jobs with 128-bit encryption and reliable protection of highly sensitive documents. ThinPrint software integrated into the hardware allows end-to-end encryption right to the printer.	✓	✓
Support of remote print servers and print appliances	Direct printing via TCP/IP – compressed and optimized for bandwidth – to remote print servers (e.g., in branch offices) or print appliances as the ThinPrint Hub.	✓	✓
Optimized native printing	High-compression transmission of print data also when using original printer drivers.	✓	✓
Support of various protocols when sending print jobs	Optimized transmission of the print data over the protocols TCP/IP and LPR/LPD or ICA/HDX and RDP/RemoteFX	✓	✓

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Connection-oriented bandwidth management for print data	ThinPrint never exceeds the defined maximum bandwidth for printing, not even when multiple users print at the same time.	✓	✓
One standardized interface (GUI) for all printers from all vendors	The ThinPrint Output Gateway virtual printer driver provides a standardized, user-friendly print dialog box for all printers. This reduces help desk calls.	✓	✓
Support of the enhanced print options including finishing options	Thanks to the virtual printer driver, almost all print options and properties of the target printer – including finishing options of a multifunction printer like hole-punch, staples and binding – can be used in all IT architectures.	✓	✓
Tracking Service/ Report Engine	Comprehensive collection and analysis of company-wide printing behavior and the resulting print costs.	✓	✓
Centralized configuration	Centralized configuration through seamless integration of all ThinPrint controls as a snap-in in the Microsoft Management Console.	✓	✓
Printer mapping via Dynamic Printer Matrix	Configuration tables provide automated printer allocation when mapping or setting up client printers. In this way, printers can be connected using a variety of user- or device-based criteria.	✓	✓
Creation of a secure client-side print tunnel	Thanks to the ThinPrint Connection Service, network printers can be addressed in masked networks. Branch offices can operate without leased lines or VPN connection. Management is convenient via MMC-SnapIn.	✓	✓
Centralized, dynamic setup and management of the print environment	ThinPrint Management Services enable script-controlled, automated setup and management of complex ThinPrint environments and give a complete overview of hardware, drivers, clients, and branch offices.	✓	✓
Automated print processes thanks to VirtualCopy	With just one click, send up to five copies of documents to different printers in various qualities also enabling e-copy archiving.	✓	✓

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ThinPrint Font Management	Intelligent font management provides reliable printing results and significantly lower transmitted data.	✓	✓
SpeedCache	Repeating elements in a print job, such as logos and fonts, are only transmitted once, which significantly speeds up the printout.	✓	✓
Port Pooling	Increased print performance through parallel transmission of multiple print jobs.	✓	✓
Preset cost-saving printer settings	Presetting printer settings like black-and-white or duplex printing per user or group lowers the print and paper costs.	✓	✓
Unattended installation	Unattended installation of ThinPrint components and license keys using Setup.exe or .msi file enables convenient rollout via SCCM, for example.	✓	✓
Integration of central print servers	A central print server unburdens the application servers and virtual desktops and simplifies the printer driver management.		✓
Virtual Channel Gateway	Sends print jobs from central print servers through a virtual channel of an ICA/HDX or RDP connection to the clients when printing over TCP/IP is not possible (e.g., when printing in a home office).		✓
Mobile Session Printing from iOS Devices	Intuitive iPad and iPhone printing from any remote or virtual desktop session directly to locally available AirPrint™ printers.		✓
Session-in-Session support	Automatic creation of printers in environments in which users connect to the target computers through multiple sessions.		✓
Direct printing to thin clients or network printers	Direct printing to thin clients or network printers – either without a session or over an existing one.		✓

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Integration of batch printing in the virtual channel	Thanks to the Host Integration Service, integration of externally generated host print streams in Citrix XenApp and Microsoft Remote Desktop Service environments and secure transmission over the ICA/HDX or RDP channel.		✓
Support for Mac in virtual environments, including Driver Free Printing	The ThinPrint Client for Mac allows you to integrate Mac devices into your virtual environment. Thanks to Driver Free Printing, the printer settings of the Mac client printers are carried over.		✓
Support for Linux clients in virtual environments	The ThinPrint Linux client allows you to integrate Linux computers into your ThinPrint environment (via RDP or TCP/IP) and use compression, encryption and other features.		✓