

ThinPrint®

Essential eHealth Printing



The healthcare industry increasingly relies on **digitalization** and **mobility**. Flexible access to electronic health records (EHR) is perfectly supported through the use of **remote apps** and **virtual desktop technology**. Often, centrally-managed, low-maintenance **thin clients** and **iPads** are used. With changing teams, shift schedules, work at multiple locations as well as mobile and freelance employees, the **diverse requirements** for printing, including **high-availability** printing, quickly become a significant challenge.

In hospitals, nursing homes, doctors offices and other healthcare institutions, **different formats** and types of paper are used for printing – for example referrals, findings, prescriptions, lab labels and many others. Also **patient-data protection** needs to be upheld, as well as the fact that each department has different demands when it comes to the **amount** they print as well as the **quality and speed of printouts**.

ThinPrint guarantees the security of print data as well as fast, reliable printouts in the desired quality – with any application, on any printer, and whether mobile or from any workstation.



BETTER PATIENT SERVICE – LESS COST

- **Patient data always at hand:** reliable and fast printouts
- **Always the right printer:** automatic printer mapping for rotating staff
- **Mobile patient care:** flexible local printing with iPads
- **Low-cost thin clients:** easy to implement and problem-free printing
- **More time and budget:** with less help-desk requests, administration and the added benefits of server consolidation
- **Guaranteed printing:** with load balancing and failover – an ideal replacement for print server clusters

FULL SECURITY FOR SENSITIVE PATIENT DATA

- **Full control:** flexible reporting of all printing activities and costs
- **Encrypted transmission:** comprehensive security for sensitive data
- **Confidential printing:** employee authentication directly at the printer



ThinPrint in Use

TAHOE FOREST HOSPITAL ENSURES SERVER STABILITY

SCENARIO: Tahoe Forest Hospital is a Californian not for profit rural health care facility and designated Critical Access Hospital. Using Citrix XenApp and thin clients, about 90% of its employees work on virtual desktops.

TASK: Even with thin clients being used as well as many printer drivers, a stable and high-performance printing environment was essential. As a non-profit institution, Tahoe Forest Hospital needed the most cost effective solution possible: ThinPrint can reduce print administration by 60%, print related helpdesk calls by 80% and bandwidth use.

SOLUTION: Improved performance and stability of server systems thanks to Citrix and ThinPrint results in trouble-free printing being guaranteed for medical staff.



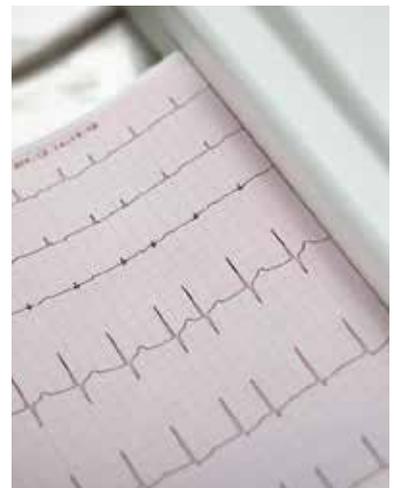
"ThinPrint has provided **server stability** in our printing environment, helping to save time and **increase productivity.**"
Spin Shaffer, IT Infrastructure Manager

MGI CONSULTANTS OPTIMIZE PRINTING IN HOSPITALS WITH THINPRINT

SCENARIO: MGI Consultants, a French service provider, manages and hosts hospital business applications in the cloud.

TASK: When it came to printing large amounts of data, problems often occurred. A solution was sought that would optimally use the available bandwidth and enable efficient printing, even for high volumes of data.

SOLUTION: Bandwidth requirements have been significantly reduced and ThinPrint's connection-oriented bandwidth control feature guarantees application performance.



"ThinPrint's technology helped us drastically **reduce administrative needs**, while **optimizing work and print results.** In addition, the simple licensing model has allowed us to streamline the management of contracts and easily add new users when needed."
Patrick Tsai, MGI

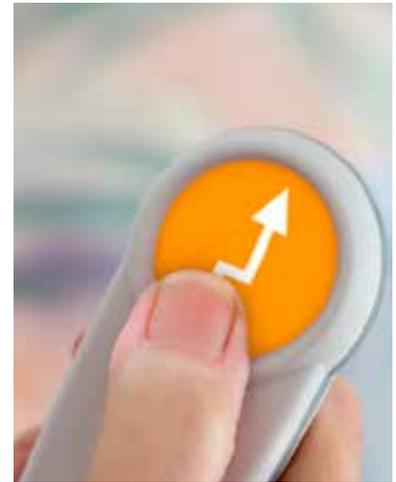


SWING DELIVERS IMPROVED QUALITY FOR CARE PROVIDER CUSTOMERS

SCENARIO: Swing offers its out- and in-patient nursing care and clinic customers flexible cloud solutions for managing their patient data, planning care services as well as invoicing.

TASK: Paper documents and invoices essential in the healthcare sector make trouble-free printing for Swing's business a basic requirement. The challenge was how to smoothly manage the high printing volume, with multiple printer models and locations.

SOLUTION: Administration effort for printing was significantly reduced thanks to ThinPrint and nursing staff now have full control of their shift plans and patient information.



"ThinPrint is the **perfect printing solution** for our cloud solution. Our customers in the care sector constantly need to print important documents. ThinPrint always delivers **fast results**. And we – as cloud providers – don't even need to know which printers are installed locally."

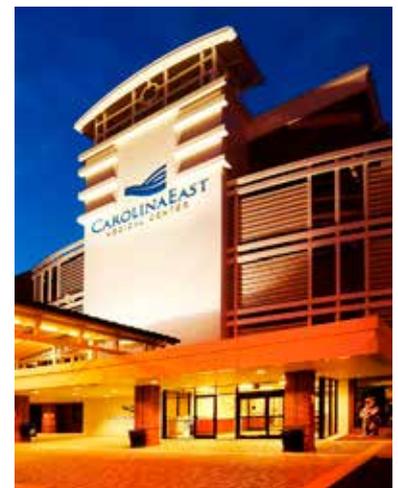
Daniel Fischer, Managing Director, Swing

CAROLINA EAST HEALTH SYSTEM SAVES TIME AND MONEY

SCENARIO: Carolina East – a 350 bed, full service facility – was looking to replace many of its physical desktops with thin clients and centrally manage applications and desktops.

TASK: In respect to printing, Carolina East was looking to reduce administration and ensure reliable results with a diverse fleet of 400 printers across 20+ locations.

SOLUTION: Citrix XenApp was chosen for application delivery. ThinPrint provides fast and stable printing, print server consolidation and easy print management for the mixed XenApp and physical desktop environment, leading to cost savings of \$25,000 per year and 40 workhours per month.



"We have been able to **eliminate driver conflicts**, spend less time on printing problems, **save time and money** by implementing ThinPrint into our Citrix environment."

David McKeon, Citrix-Administrator



THINPRINT ENGINE – THE PRINT SOLUTION FOR THE HEALTHCARE INDUSTRY

With ThinPrint, employees print flexibly to the correct printer. Even if for example doctors are moving from one area of a hospital to another and using different end devices. The print system is easy to rollout and to manage and delivers a considerable reduction in the workload of the IT department, significant performance improvements, high availability, optimal printing support and cost savings.

THINPRINT ENGINE FEATURE HIGHLIGHTS AT A GLANCE



DRIVER FREE PRINTING: Thanks to V-layer™ technology, no printer drivers on desktops or remote desktop servers are even required. The ThinPrint Output Gateway reduces the administrative burden and unstable processes.



TRACKING AND REPORTING: The ThinPrint tracking service enables a comprehensive collection and analysis of enterprise-wide printing behavior and the costs related to printing.



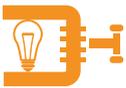
HIGH AVAILABILITY: ThinPrint guarantees through load balancing and failover high availability for printing. This makes it the ideal replacement for print server clusters, which were omitted in Windows Server 2012.



SSL/TLS ENCRYPTION: Print data is transmitted using 128-bit encryption. This ensures reliable protection for sensitive documents. ThinPrint software which is integrated into hardware allows end-to-end encryption right to the printer.



BANDWIDTH MANAGEMENT: You can define the maximum bandwidth to be used per location. Even if many employees print large documents simultaneously, the very best application performance is guaranteed.



INTELLIGENT COMPRESSION: Advanced Adaptive Compression adapts to the specific print job and available bandwidth and reduces print data volume by up to 98%.



PRINTER MAPPING: Whether remote session, session-in-session printing or virtualized desktops – regardless of their current location, employees always access the right local and network printers.

Take advantage of all ThinPrint products, with full functionality for 30 days – free of charge and without obligation: www.thinprint.com/demo

TIP – PRINT CONFIDENTIAL PATIENT DATA: ThinPrint Personal Printing delivers comprehensive security for patient data when printing sensitive documents on public network printers. The printer doesn't output the print job until the user has authenticated directly at the device. Printouts are guaranteed to remain 100% confidential.