

Imprivata for vendors case study: Allscripts



“By converting our customers to Imprivata’s remote support network, we were able to save our customers money on their connectivity costs, enhance the reliability of the connection, improve our response and resolution times, all while increasing the security and auditing capability of the customer’s systems. Not bad for 15 minutes work!”

– Robert Bell, VP of Product Support Services



Organization snapshot

Allscripts Corporation is an enterprise healthcare information technology solutions provider to more than 1,500 major healthcare facilities, including academic medical centers, hospitals with pediatric facilities, and community based hospitals of all sizes. Allscripts’ software applications provide workflow and knowledge support to smooth information transfer and patient management between physicians, nurses, managers and other members of the healthcare team.

Overview

As an end-to-end healthcare solutions provider, Allscripts has an extensive product suite that includes a number of server-based software solutions. With more than 1,500 customers being supported by 1,000 support analysts, Allscripts requires remote diagnostics and maintenance of customer systems to meet cost management and customer satisfaction goals.

Like many companies that support complex applications for a large and diverse client base, Allscripts maintained several remote support solutions and a wide variety of connectivity types. Phone desk, email and chat, and customer initiated web support all required high level of two-party (customer and Allscripts analyst) interaction and were driven by reaction to customer problems instead of proactive management by Allscripts. A wide variety of connectivity types including modems, point-to-point networks, shared desktops and VPNs were expensive, complex and not all secure. The combination of applications and connectivity made it difficult to define and manage process for security, and had no single audit and reporting capability.

The stakes

Allscripts customers include all of the hospitals on America's Best Hospitals Honor Roll, and nearly half of the more than 100 organizations that have received Magnet Recognition Program status – the highest award an organization can receive for quality of nursing care – use Allscripts solutions. Allscripts customers include Boston Medical center, Cleveland Clinic–Easter Region, The National Institutes of Health, and University of Michigan Hospitals and Health Centers.

The challenges:

Key healthcare industry issues

Application interconnectivity

Hospital departments transfer and share electronic patient data – data that needs to be accessible in real time with views of the information appropriate to the needs of specific departments. Data flow, application interconnectivity and reliability are essential for good health care and efficient operation. Application failure, data corruption, or even slow performance are potentially life threatening and unacceptable for healthcare organizations trying to maintain standards of care. Quality applications and support ensure the continued efficiency, accuracy, and timeliness of information transfer, and all of these lead to better patient outcomes.

Privacy regulations compliance

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Allscripts support requirements

Scalability

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Security

As a solution provider to HIPAA regulated entities, Allscripts needed to provide solutions that enabled compliance. User control with unique logins for 1,000 employees at 1,500 access points, and audit control to track and record all system access and activities are key features of meeting HIPAA requirements.

Platform independence

In order to reduce the complexity and cost associated with multiple methods of connectivity, Allscripts needed a single platform to consolidate remote support access and still work with multiple customer platforms. Browser based access with client side components was needed to provide simple, quick, and inexpensive means of establishing and maintaining remote support connections. A consolidated platform also reduces the hardware and software costs associated with managing remote support. Allscripts analysts often use proprietary diagnostic tools to aid in remote application support and speed problem resolution. As customers include more and more operating systems, Allscripts needed a way to control the growing licensing cost of proprietary tools.

The solution:

In Imprivata, Allscripts found a solution that provided the perfect combination of control, flexibility and security. The Imprivata Server manages, audits and records all of the remote support connections between Allscripts and its customers. Imprivata Gatekeepers, installed on customer servers, enable and define the limits for each remote support connection.

The Imprivata Server runs on a secure hardened platform of Linux and offers a single point of control for support access to customer systems. Imprivata Gatekeeper can be installed and set up in minutes providing simple, customer driven access management by defining the hosts, ports, files, directories and applications that Allscripts support analysts are allowed to access.

Allscripts with Imprivata results

Allscripts began to see positive results shortly after rolling out Imprivata. Imprivata's platform independence gave Allscripts the ability to consolidate its remote support connections on a single platform regardless of the customer's operating system. Imprivata ease of use reduced setup costs and improved connectivity response time. As a result, Allscripts saw its support efficiency increase and the cost of connectivity drop by 87%. Imprivata's direct, native access to customer servers allowed Allscripts' support analysts to use whatever tools they needed to resolve a service issue, eliminating duplication of license fees, further reducing cost and time to problem resolution.

Imprivata's ability to let customers strictly define access for each remote support connection, combined with robust audit and reporting functionality allowed both Allscripts and its customers to generate historical audit reports and detail log files capturing who accessed the system, what was done (at the command level), and what tools were used. This satisfied the HIPAA concerns of even the most security conscious customers.

Imprivata features

- Single platform for managing remote support connections to all OS platforms at all customers, reducing connectivity complexity and cost and improving efficiency.
- Direct, native access to the customer server, allowing Allscripts support analysts to use their favorite, proprietary resolution tools without paying additional license fees, increasing effectiveness and decreasing time to resolution.
- Simple, flexible customer managed access controls allowing compliance conscious healthcare providers to restrict access appropriately and increase security.
- Pre-defined controlled access to customer applications reduces time required by customer IT staff to participate in problem resolution, saving cost and improving customer satisfaction. Imprivata's feature allowing trusted vendor remote access without customer involvement meant Allscripts could solve problems without requiring customer involvement.
- Multiple remote connections for a single support session allow Allscripts to apply additional service representatives for faster problem resolution. The Imprivata server brokers secure access between the Allscripts technician and the customer's network.
- Detailed audit, reporting and real-time monitoring capability for every remote support session, enabling security process definition and proof of HIPAA compliance.



Remote support module

The Imprivata server brokers secure access between the Allscripts technician and the customer's network.



Imprivata is the digital identity company for mission- and life-critical industries, redefining how organizations solve complex workflow, security, and compliance challenges with solutions that protect critical data and applications without workflow disruption. Its platform of interoperable identity, authentication, and access management solutions enables organizations in over 45 countries to fully manage and secure all enterprise and third-party digital identities by establishing trust between people, technology, and information.

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