

| The Digitization of the Healthcare Industry

The healthcare industry--hospitals, insurance providers, medical device vendors and software developers--is rushing towards digital transformation. Across the world, healthcare companies are taking their operations online so that they can meet customer demand for new types of virtual member and

remote patient experiences. These new, cutting-edge capabilities empower innovative remote healthcare options and drive streamlined cloud collaboration possibilities by leveraging digital products and services such as Electronic Medical Records (EMRs), telehealth and cloud computing.

To accelerate their pace of digitization healthcare companies are leveraging agile methodologies and DevOps practices. These modern approaches to software development dictate fast, high-quality releases by highly independent, autonomous development teams that constantly focus on achieving greater speed, productivity and efficiency.

| Government Regulations Slow Down Access to High-Quality Data

But going digital in the healthcare industry is easier said than done. Data drives every aspect of innovation, and development teams need easy, unfettered access to it to meet agile requirements. Yet, as more and more healthcare companies digitize, government regulators have launched stringent privacy regulations with the aim of ensuring that patients' private medical data remains secure.

Health care privacy laws such as HIPAA and PHI dictate how sensitive health data should be handled, and by whom. To maintain compliance, healthcare companies must ensure that all sensitive medical data is handled securely and exposed exclusively on a need to know basis--specifically by the medical staff directly involved in a patient's treatment.

This reality creates significant challenges to the healthcare industry's digitization efforts. They mandate secure data management so that any production data copied to lower environments is anonymized in a way that ensures patients' private data remains confidential. However, standard copy and masking processes, often developed in-house, are time-consuming and rely heavily on scarce DevOps and IT resources.

| Healthcare Companies Are Challenged to Provide Fast, Easy Access to Data

This creates a situation in which dev and testing teams cannot independently access the data they need, when they need it. They're often forced to wait for IT teams to perform the data copy processes that bring data to staging environments. Even once the data is available in lower environments, dev and testing teams still cannot access it until it has been masked because of healthcare privacy laws.

These privacy laws are challenging healthcare companies that want to make full use of the collaborative power of the cloud. The easy, real-time remote access empowered by the cloud enables medical professionals to instantly share patient data in a way that streamlines collaboration. Using

the cloud, medical professionals can effortlessly consult with each other from anywhere in the world. However, identifiable patient data must be masked before it can be copied to the cloud, adding even more pressure on DevOps and IT resources already burdened by ever-increasing requests from dev and testing teams.

| Accelario: Streamlining Access to High-Quality Data

Accelario meets the needs of agile teams with a one-stop, comprehensive, modern TDM solution that provides virtualization, masking and synthetic data.

Data is continuously synced so that it always mimics the production environment. A self-service, autonomous approach empowers dev and testing teams to self-provision and manage physical and virtual non-production data across multiple, different environment configurations and cloud deployments, while complying with privacy regulations.

Advanced on-the-fly data masking capabilities anonymize production data while it's being copied, so that the Golden Image is always masked. This means that lower environments constantly maintain compliance, even as they're continuously refreshed

with fresh data from production. An advanced Privacy Dashboard monitors organizational privacy exposure across a near infinite number of environments, alerting whenever a privacy exposure occurs, or is about to occur.

To find out how Accelario can assist with Transforming Data Delivery and Compliance for Healthcare contact us at <https://accelario.com/contact-us/>