

ClearDATA Locate™



ClearDATA Locate is a natural language processing technology engineered to help identify, track, and manage PHI in modern software architectures.

Healthcare organizations are always exploring avenues to drive innovation, and as you do, you want to ensure you are using the most modern design principles and are aligning to best practices. Today, software applications are often developed based on a container, or microservice, design. Containers allow for a much more efficient consumption model and enable applications to run reliably when moving from one compute environment to another, such as going from development to stage to production. Popular open source software systems, such as Kubernetes, provide robust and reliable container management services that allow organizations to adopt this new type of software design.

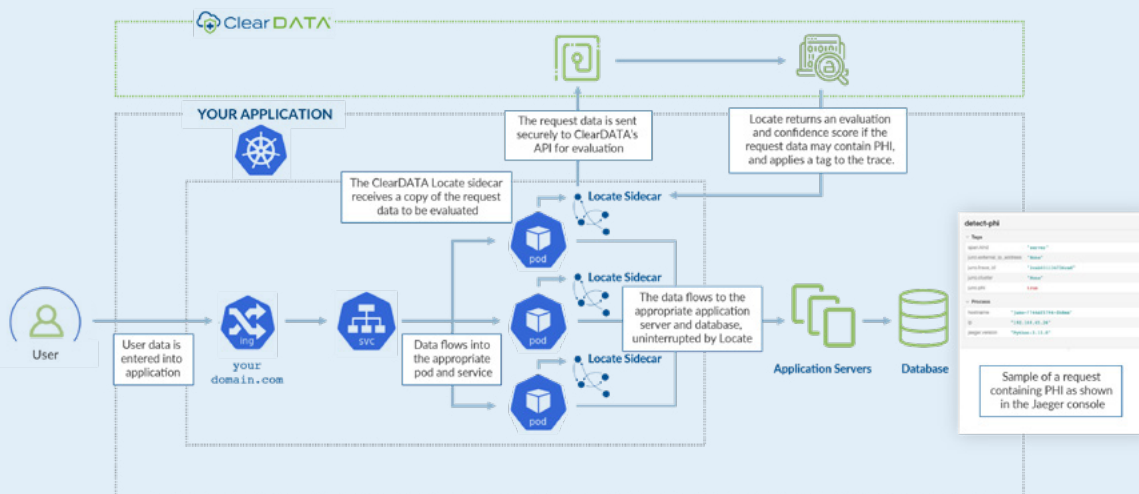
Your healthcare organization can plug Locate into an existing Kubernetes cluster and, through its healthcare aware distributed tracing feature, immediately see tracing data that is focused on detecting PHI.

However, microservices can create a gap in your audit picture. Many techniques to track data flow through a container do not have visibility into the data being traced—and therefore cannot determine if the data contains Protected Health Information (PHI).

Built on machine learning models trained on healthcare data to detect PHI quickly and accurately, ClearDATA Locate™ is a natural language processing technology engineered to help identify, track, and manage PHI in modern software architectures. Locate Tracing for Kubernetes helps provide visibility into the data that is processed by Kubernetes based healthcare applications. Your healthcare organization can plug Locate into an existing Kubernetes cluster and, through its healthcare aware distributed tracing feature, immediately see tracing data that is focused on detecting PHI. Requests that flow through a Kubernetes pod will be evaluated against algorithms that can apply a confidence score to help determine whether the data contained in the request is PHI. This allows your organization to build a strong audit posture in modern microservice based applications.

ClearDATA Locate™ Framework

ClearDATA Locate can run at the Kubernetes level as a foundational service, and allows developers to maintain their velocity, while ensuring that security and compliance teams are comfortable knowing that all data is being audited.



Your healthcare organization can deploy Locate into an existing Kubernetes-based application and immediately start seeing tracing reports that are focused on PHI detection. Locate provides automated tagging and auditing features, enabling your organization to build a strong audit posture without having to build certain auditing tools into each individual microservice.

The ability to detect data that may contain PHI can open up opportunities to augment workflows that might rely on PHI data. Whether you are looking for PHI information about a particular diagnosis or are looking to better understand the impact of a potential incident, you can build on top of Locate to:



Identify the records used to help lower breach costs

ClearDATA Locate can be used to isolate and track the actual records that may be involved in a breach.



Create workflow alarms

You can use the confidence score and determination recorded by ClearDATA Locate to initiate alarms if certain data is detected in the service flow.



Generate PHI detection alarms

Use ClearDATA Locate to monitor services that should not contain PHI, such as a marketing website.

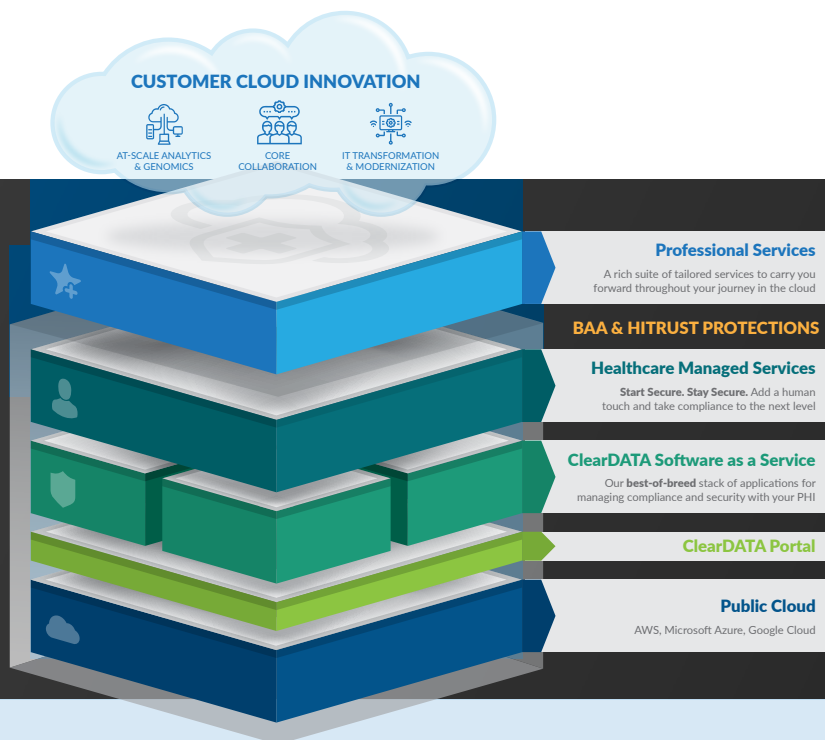


Map data to show PHI locations

Not only can ClearDATA Locate be used to find PHI, but it can also be used to identify any services that touch the PHI.

The ClearDATA Platform

The ClearDATA platform is built on a foundation of HITRUST in an effort to adhere to HIPAA guidelines, as well as NIST and CIS standards that support additional regulations such as GDPR and GxP. Wrapped by a Business Associate Agreement (BAA) that keeps PHI/PII safe and secure, the platform is a combination of software and public cloud technology that runs on the public cloud (AWS, Azure, and Google Cloud Platform) as well as Pivotal Cloud Foundry and Kubernetes. Powered by our healthcare experience and technology expertise, our platform protects sensitive healthcare data and helps you stay compliant while you focus on innovation.



About ClearDATA

Healthcare professionals across the globe trust the ClearDATA HITRUST-certified cloud to safeguard their sensitive data and power their critical applications available across the major public cloud platforms. For healthcare organizations, customers receive one of the most comprehensive Business Associate Agreements (BAA) in the industry, combined with market-leading healthcare-exclusive security and compliance solutions, and multi-cloud expertise. ClearDATA's innovative platform of solutions and services protects customers from data privacy risks, improves their data management, and scales their healthcare IT infrastructure, enabling the industry to focus on making healthcare better by improving healthcare delivery, every single day.