About Decipher

Overview

Decipher is an industrial AI software platform developer. Our flagship service mesh platform, Grey Matter, simplifies decentralized network management for the enterprise. Our platform delivers the reliable network performance, resource management, security, and cost efficiency in demand by today's C-suite personnel. With Grey Matter, our customers gain operational insight through intent-based automation and reporting providing maximum network reliability, performance, and resource control.

Grey Matter

Enterprises are adopting microservices frameworks with ever increasing frequency. However, these decentralized systems are notoriously difficult to design, develop, and control, introducing significant deployment and operational management complexity on the network. Hidden costs and unforeseen difficulties are common with such systems. Grey Matter liberates enterprise IT from these challenges, freeing CIOs, CTOs, and engineers to focus on what really matters — improving their product and growing their business.

With Grey Matter…

Maximize network efficiency
Unique service-level insight and control provides you precise measurement and management of business objectives, expediting resource drain discovery and removal.

Free developers to innovate
By removing network communication complexities and infrastructure concerns, your developers can focus on writing next-gen services in a polyglot, cloud-agnostic environment.

Harness data to enable AIOps
Grey Matter takes advantage of your network's data through the innovative application of neural net AI designed to enhance traditional network and application performance. Enhance your diagnostic capabilities, and enable predictive network operational monitoring and automated response.

Founded in 2014

20+ Enterprise customers

50+ Employees

Headquartered in Alexandria, Virginia

LEADERSHIP

Chris Holmes
President | CEO

Jonathan Holmes
EVP | CTO

Mike Schwartz
EVP | COO

Erik Bengaard
EVP | CFO

Josh Rutherford
VP | Engineering

Norm Carroll
VP | Customer Success

Carolyn Dadant
VP | Human Capital

Brian L'Italien
VP | Product

# Cut costs and optimize your network with Grey Matter.

Why rely on pieces of the puzzle? Grey Matter captures and summarizes every operation on the service mesh. Providing deeper network insights than any other platform on the market, Grey Matter captures over 100 different service- and instance- route level statistics for each of your services. Captured via decentralized data streaming, your metrics are synced and stored for in-depth service level analysis and can be used to dynamically produce service level overlays set to your enterprise's specifications.

Tooling and dashboards are a core part of Grey Matter. Most open source alternatives require the piecemeal employment of a number of specialized observation and analysis tools. However, the Grey Matter Dashboard presents an intuitive single-touchpoint interface displaying all your service mesh control and data plane operations. Fine-grained operational controls provide you timely access to indications and warning information all designed to shrink anomaly Mean-Time-To-Detect (MTTD) and slash network down-time Mean-Time-to Restore (MTTR).

Logging, monitoring, and data retention is modeled and programmed via observables related to actions across your infrastructure. Grey Matter publishes these events to Kafka where they can be stored for analysis. With this level of event history, cyber-security analysis, and resource change tracking is simple, and optimization across your network is far more cost-effective.

Grey Matter flexes to meet your needs, on your terms. The platform can be deployed across any cloud environment, either on- and off- premise, and is capable of supporting other service mesh environments. Grey Matter also offers full support for DC/OS Mesosphere, Openshift, and bare Kubernetes container platforms.

Finally, Grey Matter is designed to enable AIOps through the innovative marriage of in-depth telemetry and metrics data capture and analysis, all backed by Deep Reinforcement Learning algorithms. With Grey Matter, you can leverage predictive network operational monitoring and automated response in order to streamline network performance, avoid outages, and realign your resources to drive further business growth and innovation.
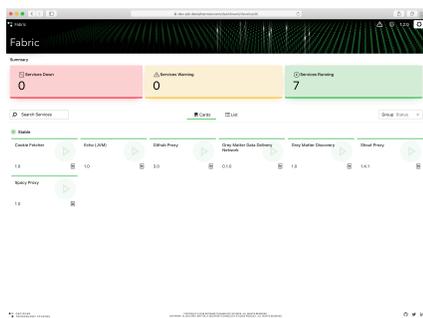
Fabric Dashboard
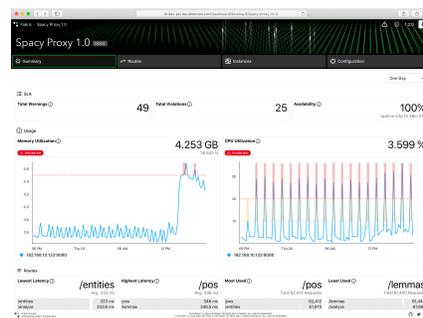
Service-Level Objectives
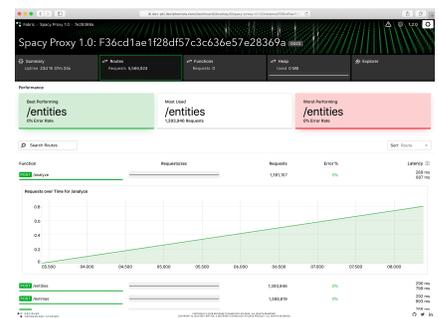
Route-Level Metrics

Decipher Technology Studios, LLC (Decipher), is an industrial AI software company. We build Grey Matter, the enterprise service mesh platform for cognitive infrastructure management. To learn more about what Grey Matter can do for your organization, visit deciphernow.com. Contact Chris Holmes (President/CEO) at chris.holmes@deciphernow.com for more details.