COVAX DATA

SOLUTION GUIDE

Covax Data's innovative approach to data security, compliance, and information lifecycle management harnesses the power of artificial intelligence, machine learning, and blockchain in unique and powerful ways, moving you beyond data security to data control.

DATA SECURITY

Modern data security platforms rarely focus on the data. Most operate at the network level – monitoring activity, detecting threats, authorizing users – which means that once someone breaks in, you do not know they are there or what they are doing. By focusing on the data itself, Covax ensures that if bad actors are able to get behind the curtain, they cannot access your critical data, and if the threat comes from inside, it can be identified, tracked, and shut down quickly. With Covax's advanced system controls, users can be provisioned to specific storage locations, preventing theft, and if data were to be removed from your ecosystem it will be inaccessible and remotely destructible.

SIMPLIFIED COMPLIANCE

Billions of dollars are spent every year on ensuring compliance with various regulatory protocols, and billions more are spent on fines when the onerous requirements are not met. Covax puts the power of artificial intelligence and machine learning on your side with advanced object classification and data tagging. Compliance requires a complete understanding of your data and complete control over virtually every aspect of that data's lifecycle. Covax's chain of custody technology provides that level of transparency, understanding, and control.

INFORMATION LIFECYCLE MANAGEMENT

Cradle to grave control and insight into your data is what is required in today's world. Covax provides exactly that. Our data analysis and protection begin the moment you introduce your data to the Covax platform, and does not end until the lifecycle terminates at the hands of our digital shredder. Our patented chain of custody is a digital provenance for securing data, and you no longer will require separate software for tasks such as encryption, secure delete, and/or integrity monitoring.

KEY BENEFITS

CONSTANTLY LEARNING

DATA FOCUSED AI/ML DRAWS INFORMATION FROM MULTIPLE SOURCES, SYSTEMS, AND PLATFORMS TO NOT JUST UNDERSTAND WHAT IS "NORMAL" BUT TO UNDERSTAND AND ADAPT TO WHAT IS RIGHT

ALWAYS PROTECTING

DATA IS STORED IN DATA MOLECULES THAT REQUIRE THE USER-SPECIFIC COVAX DRIVER TO OPEN THEM. THE MOLECULAR-LEVEL CHAIN OF CUSTODY TRACKS VIRTUALLY EVERYTHING THAT HAPPENS TO YOUR DATA.

INSTANTLY DEPLOYABLE

IN MINUTES, COVAX IS IMMEDIATELY AVAILABLE IN THE USER ENVIRONMENT FOR NEW DATA WHILE OLDER DATA IS INGESTIBLE VIA DATA HUBS.
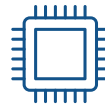
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CORE FEATURES

THE POWER OF BLOCKCHAIN LITE

• LIFETIME AUDITABLE TRAIL

Covax utilizes its powerful Blockchain Lite technology to create our chain of custody for your data. Going far beyond an audit trail, Covax uses a system of third-party and intra-system checks to create an immutable auditable record of every time data is touched. We make blockchain pragmatic for data management!

• DATA MOLECULES

Data is virtually encapsulated in our data molecule structure. Each molecule can be any size and contain any number of files. Molecules also have their own user controls, encryption, and chain of custody. Any time a molecules is accessed, or access attempted, a new link is added to the chain.

• DATA INTEGRITY

Periodically and regularly, Covax will check the integrity of your data molecules, as well as verify the chain of custody, location of your data, and data storage policy compliance.

• DIGITAL SHREDDER

The Covax digital shredder provides for a complete sanitization of the digital record. Coupled with our chain of custody, Covax can provide a compliant audit trail that every copy of data has been destroyed.

BLOCKCHAIN MEETS MACHINE LEARNING

• THREAT DETECTION

Metadata from the chain of custody is sent to a Covax database where our algorithms observe user behavior. This data is supplemented with data from user profiles and other systems to paint a complete picture of data access.

• SMART POLICY MANAGEMENT

Our algorithms will help you make efficient use of your infrastructure by identifying potential shifts in data management and storage protocols based on access patterns

ARTIFICIAL INTELLIGENCE

• THREAT MANAGEMENT

Artificial Intelligence provides additional layers of security and user authentication, blocking access to data that falls outside of the security picture captured by Covax. In addition to integrating multi-factor authentication, Covax access is further controlled by time-of-day, geo-location, IP address, etc., along with third-party systems correlation.

• REMOTE DESTRUCT

Data that makes its way out of your ecosystem is still protected by Covax. Data molecules require the user-specific Covax driver to be accessed. Should both the driver and the data become compromised, the administrator can remotely destruct the data through the chain of custody's "call home" feature.

• OBJECT TAGGING

Covax automatically extracts metadata from over 300 file types, providing insight into data composition. Tagging both AI driven and user-generated information provides greater indexing and searchability of data, along with simplifying compliance.

BEYOND DATA SECURITY...DATA CONTROL

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