GC | CYBERSECURITY
PROTECT YOUR DATA

Introducing the 4th Generation Advanced Data Protection Platform

Information Security Enforcer ISE™

The Gold Standard for Data Protection and Information Security

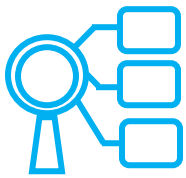
Protect and Control your Enterprise Data

With GCCybersecurity's Information Security Enforcer (ISE™ v4.0)

ISE™ is the industry's first and only 4th Generation Advanced Data Protection platform that gives you complete control over securing your sensitive information and data assets from malicious or accidental disclosure, theft and/or exfiltration

1. Automatic data identification and classification
2. Automatic Information Governance and Regulatory Compliance
3. Automatic Policy Generation and Enforcement
4. Automatic Identity and Role-driven Access Control
5. Automatic Cloud Access Security Broker - CASB
6. Automatic Data Leak and Exfiltration Prevention

Real-time, Auto-Classification of Data, Information & Content



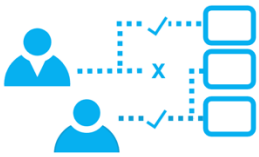
Classify Data

Automatically classify all your data and content at any level of granularity in real-time, without any manual intervention or tagging. GC's patented technologies (e.g.Semantic DNA Vector) classifies structured, un-structured and semi-structured data – even newly created "virgin" confidential and sensitive data & information .

Automated Policy Synthesis and Enforcement

Automatically synthesize your policies and enforce them with ISE patented Automated Policy Synthesis Technology which reduces the complexity and cost of laborious and error prone manual policy definition processes. ISE evaluates the security significance of your sensitive data/information, invoking the corresponding security policy to prevent data leaks and/or exfiltration in real-time.

Synthesize Policies



Secure / Control Access

Identity & Role-Based Advanced Data Protection

Control your data at rest and enroute with ISE's role-based data protection paradigm. By defining roles for end-user/employee "actors" and the actions allowed for each role, data actions are automatically evaluated and permitted to enforce security policies and procedures in real-time.

Cloud Access Security Broker - CASB

Secure and control access for data moving from the enterprise to the cloud. Block transfer of sensitive data to web-applications based on security status of content/data or actor. Receive detailed reports on data exfiltration attempts by actor, content and attempted web destinations.

Secure Cloud Access

Monitor Workflows & Enforce Policies

Advanced Workflow Monitoring and Policy Enforcement

Security administrators, business managers and employee end-users receive alerts for suspected access violations with the ability to cancel inadvertent actions or block malicious users from leaking sensitive data and information. In real-time, ISE can notify all relevant parties based on role and log actions for compliance reporting.

Adaptive Architectural Enterprise Deployments

Deploy ISE flexibly in any topology - on-prem, in public clouds or in hybrid cloud architectures. Installed on a corporate network between employees and data and information repositories, ISE analyzes real-time data transmissions over any communication channel including e-mail, webmail, web applications, FTP, instant messaging and other unstructured content communication methods.

Flexible Deployments

Global Command & Control

Centralized Data Protection Command and Control

Control your enterprise and cloud SOCs with ISE's real-time, centralized command and control system modeled after military-grade command and control centers. Monitor data and information being transmitted between actors across global enterprise networks. Automatically block malicious and inadvertent movements of sensitive data by insiders and outsiders, or information maliciously exfiltrated by insiders with silent alerts to notify the proper security and administrative personnel to respond appropriately.

Real-time C4i System
Centralized Command Control Collaboration and Intelligence Dashboard

Key Features	Specifications
Centralized Command Control System	Browser based Centralized Command & Control System, using any browser e.g.Internet Explorer, Google Chrome, Firefox, Mozilla and others
Real-time Incident Monitoring Dashboard	Instantaneous Reporting of any violation in Centralized & Consolidated Dashboard.
Forensic Analysis	Detailed Forensic Analysis Tools, Analysis of preventative measures taken
Incident Reporting & Logging	Extensive set of Predefined Reports, Detailed Reports generated based on a variety of Filters and Criteria
Reporting Formats	Open Formats for export into other reporting systems e.g. Crystal Report, Actuate, Tivoli, SQL based Reporting Tools – Export to PDF, CSV formats
User-Friendly Security Administration	Central Management System interface for the creation, monitoring and management of system configurations, multiple security administrator's accounts, end-user privilege settings
Real-time Governance and Regulatory Compliance Enforcement	
GRC based DLP Paradigm	Built-in Segmentation of Duty (SoD) Definition and Enforcement
Identity and Role-based Access Control	Unique 3-D Correlation Technology Correlates three dimensions: "Actors~Operations~Information," in real-time. Performs sophisticated correlation to automatically create an abstraction of enterprise "Organization Structure" and enforce Access Control based on SoD Principles.
Pre-defined Templates for Compliance	PII, PCI DSS, HIPAA, GLBA, SOX, NERC, FISMA, European Union Directive on Data Protection, PDPA, and most United States Data Privacy Laws including SB-1386

Key Features	Specifications (Cont'd)
User de□ned Compliance Criteria	Templates can be customized and □lters can be de□ned easily to adapt to new compliance and security needs
Compliance Monitoring	Compliance violations sent as real-time alerts to employees, business managers and security administrators for corrective measures - Incidents are logged in realtime and archived to demonstrate compliance
Auto Classi□cation of Data and Content	
Automated Semantic Analysis based Data Classi□cation	Unique Intelligent Semantic Analysis (Semantic DNA Vector) based Classi cation system to perform Categorization & Classi cation without human intervention – No pre-tagging required.
Unstructured Data	Unique Security-based Semantic Analysis of Unstructured data with minimal or no human intervention required. Identify and protect Unstructured Data, such as text, memos, spreadsheets, emails, power-points, documents, images, Intellectual Property, etc. in real-time
Structured Date (regular expression)	High performance Regular Expressions (Reg-Exes) matching algorithms for data such as Credit Cards, Social Security Numbers, Account No., Bar Codes, etc. – Expressions can be combined with wildcards and de□ned constructs
Pattern Matching & Analysis	Full support of Logical and Pattern-based occurrence analysis methodologies – Goes beyond traditional Statistical or Bayesian methods
Semi-Structured Data	Full keyword & phrase matching capabilities identify known data types

Key Features	Specifications (Cont'd)
Easily Extensible	Customize and extend as new patterns and threats arise without re-deployment
Content Types Monitored and Controlled	Monitors data from databases, □le systems, and desktops
Data Types/Format Monitored	Over 48+ content format decoders including Txt, MS-Word, PDF, PPT, XLS, XML, Images, Design Documents, etc.
Automatic Policy Generation	
Automated Security Policy Generation	No Manual Interference or pre-tagging of security policies required – All Policies generated automatically
Automated Security Policy Enforcement & Real-time Reactivity	Automatically evaluates the signi□cance of information and applies the appropriate policies in real-time without human intervention
Highly Granular Policy Settings	Highest level of Policy Granularity – Complex Permutation of Actor-based, Groupbased, Protocol-based, Application-based, Source & Destination-based, Contentbased, etc.
Policy Accuracy	Automatically Identi□es and Prevents any Internal Policy Con□icts – No Anomalous Behavior
Policy Syntax	Unique Policy Syntax – Human Readable and Easy to Understand
Real-time Policy Update	Policy updates can be dispatched and enforced instantaneously in Real-time without interruption
Proxies and Key Cloud Applications	
Built-in Proxies	Full Reverse & Forward Proxies – HTTP/HTTPS, SSL, ICAP, SQUID, SMTP, IM, XMPP
Cloud Applications	MS-Exchange, Of□ce-365, BOX, DROPBOX, GoogleDrive, Sharepoint, OneDrive, etc.

Key Features	Specifications (Cont'd)
Enterprise Repositories	Active Directory, LDAP – Full Duplex Mode Synchronization
Protocols and Applications	
Comprehensive Set of Network Protocols	TCP, FTP, HTTP, HTTPS, SSL, SMTP, POP3, *Mail 6073 MS-Web Exchange +773, +7736, RPC-over-HTTP, Instant Messaging IM, XMPP, ICAP, MS-Exchange 2007/2010/2013
Applications Types Monitored and Controlled	Databases, Email, Web-Mail, MS-Exchange, Office-365, BOX, DROPBOX, Google- Drive, etc
Cloud Access Security Brocker - CASB	
Cloud Access Control	Centralized Access Control of Web Applications and Web Services. Detailed reporting on exfiltration attempts to Web Applications and Web Services
Content Aware Security Broker	High Granularity Control of Data & Content Transactions to Web Services and Web Applications based upon sophisticated DLP Criteria
CASB Reports and Analytics	Comprehensive set of CASB Reports and Drilldown Analytics
Deployment Modes	
Enterprise Deployment	On Premise Enterprise Network Deployment
Hybrid Cloud	Hybrid Cloud based Deployment
Public Cloud	Large Scale Public Cloud based Deployment

GC CYBERSECURITY

Headquartered in Silicon Valley, GCCybersecurity is a leading provider of next-generation advanced data protection and information security solutions.

GCCybersecurity, Inc.
2001, Gateway Place
Ste: 710 West Tower
San Jose, CA-95110
United States of America
Main: (408) 713-3303
Technical Support: (408) 713-3303 x105
US Sales: (408) 713-3303 x108