

VERDASYS™

MSIP

WHITE PAPER

Verdasys understands the real world challenges organizations face when implementing enterprise information programs. Merging data security with operations is a balance between business priorities, budget pressures, and productivity requirements; a complex task made more difficult with a lack of dedicated staff or subject experts. Today, the ability to implement a complete data security program capable of managing all risks is simply out of reach for all but the world's largest and most secure organizations.

To solve this problem Verdasys introduces its Managed Service for Information Protection (MSIP), the industry's first all-inclusive SaaS for Global Information Protection:

VERDASYS MANAGED SERVICES

The industry's first all-inclusive SaaS solution for complete information protection:

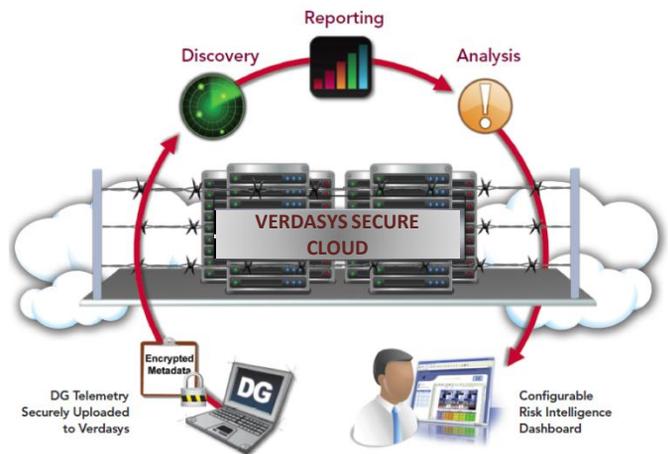
- No hardware, software, or dedicated staff required
- Rapid deployment & fastest time-to-value
- Minimal operational impact
- Subscription-based service (OPEX)
- Backed by a world-class team of subject experts with over 10 years' experience implementing mission-critical data security, risk, and compliance programs for Global 2000 companies and government agencies.
- Delivered as a complete turn-key solution for organizations with limited resources using Verdasys' industry-leading Digital Guardian solution platform.
- Allows any company to achieve a superior state of security and compliance faster, with less risk, and for a substantially lower total cost than any other approach to data protection.
- Requires NO up-front costs for hardware, software, or additional staff. Verdasys data security experts deploy and administer the entire solution through the Verdasys Secure Cloud infrastructure, and manage the entire data protection program according to each client's specifications.
- Assures customer data remains private and secured at all times. MSIP records events as encrypted metadata with evidentiary-quality forensics, and supports employee privacy regulations like EU Worker Councils. No actual sensitive content is ever recorded, stored, or transmitted as part of the service.

Verdasys MSIP offers a proven data protection platform that supports advanced risk analysis and policy enforcement across virtually any business process, including: insider threat management; IP& trade secret protection; PII/PCI & PHI compliance, advanced cyber defense, export control restrictions, et al.

HOW VERDASYS MSIP WORKS

The Verdasys hosted service is built on Digital Guardian, the industry's most proven technology for evidence-based information protection. Once Digital Guardian host agents are installed customers immediately discover in full forensic detail where their sensitive data resides, who accesses it, and how it is transacted.

MSIP customers access a configurable dashboard their own secure web portal to filter and drill into reports by policy rule; file name, type, or sensitivity; user; alert; and event. All reports and alerts are "live" and built on encrypted event metadata continuously captured by agents and automatically uploaded to Verdasys' secured hosting facilities for analysis by our powerful risk intelligence engine. Digital Guardian metadata are evidentiary-sound, and able to recreate any chain of events in complete context with forensic accuracy **without requiring any actual sensitive content to be recorded, stored, or transmitted.**



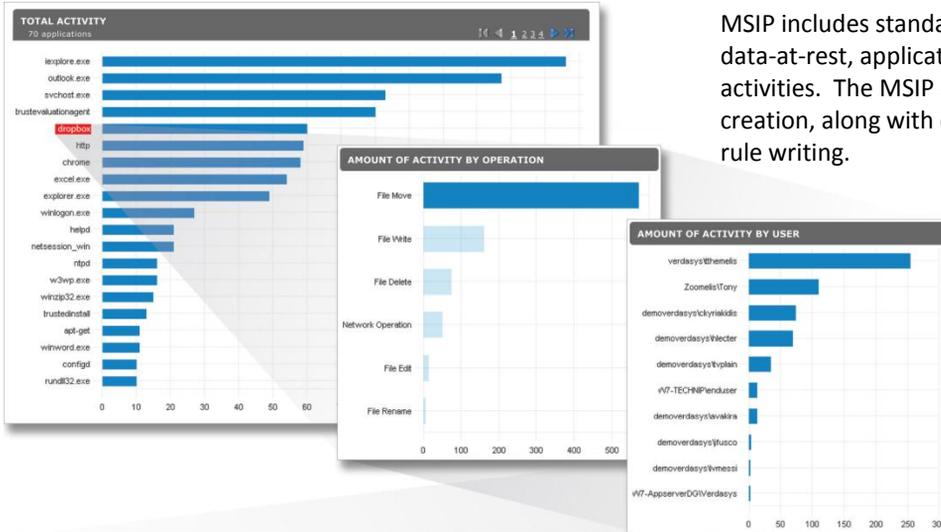
ON-DEMAND SECURITY, RISK, AND COMPLIANCE INTELLIGENCE

MSIP offers customers continuously-updated security intelligence on data location, usage, risk and trending reports through an intuitive interactive reporting dashboard. Its rich event telemetry and advanced analytics allows security managers to easily share real-time insight with technical, business, and investigative stakeholders and resolve the precise nature of data risks, policy effectiveness, and compliance rates with executive summary to forensic-level clarity.

Live Reporting & Forensics

MSIP includes standard reports to measure data egress, data-at-rest, application management, and user-specific activities. The MSIP service includes custom report creation, along with data tagging, alerting, and policy rule writing.

All MSIP reports dynamically drill down from summary to forensic detail in a few clicks, and are exportable to PDF or Excel. MSIP's secure event metadata can also be integrated into 3rd party SIEM tools for further analysis.



179 records

Date	Operation	User	Computer	Application
6/6/2012 4:45:27 AM	Network Transfer Upload	tt-Lucidx64V2/tonyt	tt-Lucidx64V2	dropbox
6/6/2012 4:45:18 AM	Network Transfer Upload	tt-Lucidx64V2/tonyt	tt-Lucidx64V2	dropbox
6/6/2012 4:44:44 AM	Network Transfer Upload	tt-Lucidx64V2/tonyt	tt-Lucidx64V2	dropbox
6/6/2012 4:43:48 AM	Network Transfer Upload	tt-Lucidx64V2/tonyt	tt-Lucidx64V2	dropbox
6/6/2012 4:43:41 AM	Network Transfer Upload	tt-Lucidx64V2/tonyt	tt-Lucidx64V2	dropbox
6/6/2012 4:43:03 AM	Network Transfer Upload	tt-Lucidx64V2/tonyt	tt-Lucidx64V2	dropbox
6/6/2012 4:42:47 AM	Network Transfer Upload	tt-Lucidx64V2/tonyt	tt-Lucidx64V2	dropbox
6/6/2012 4:42:35 AM	Network Transfer Upload	tt-Lucidx64V2/tonyt	tt-Lucidx64V2	dropbox
6/6/2012 4:42:30 AM	Network Transfer Upload	tt-Lucidx64V2/tonyt	tt-Lucidx64V2	dropbox
6/6/2012 4:42:18 AM	Network Transfer Upload	tt-Lucidx64V2/tonyt	tt-Lucidx64V2	dropbox

MSIP executive-level reports drill down to show complete activity audits by user, including anomaly detection and data chain-of-custody. User-level reporting can also be automatically tokenized to comply with worker privacy regulations.

1 record

Date	Operation	User	Computer	Application
7/31/2012 10:26:02 AM	File Move	verdasy@themelis	CITRIX6-DEMO	dropbox.exe

2 records

Source File	Source Drive Type	Destination File	Destination Drive Type	File Size
compounds_formula-x.idx	Fixed	dq1_ds_dir_hdr (tt-win8x64-t61p's conflicted copy 2012-07-31)	Fixed	4 KB

MSIP telemetry is recorded as evidentiary-sound metadata that automatically captures events with forensic detail including file name, type, and sensitivity; user identity; computer name; system, network, email, and file operations; and source and destination. These parameters provide the foundation from which to build risk-based alerts, reports, classification, and enforcement rules. Digital Guardian logs have been successfully admitted as primary evidence for data theft prosecutions in EU and US courts.

An All-Inclusive Global Information Protection Solution:

Testing & Deployment
Customized Reporting

Hosting & Administration
Alert, Data Discovery, & Policy Management

Live Risk Intelligence
Data Security Consulting

MSIP RSOLVES QUESTIONS LIKE:

- Is my PII, PCI, or IP data secured?
- Are my users compliant with all data security policies and regulations?
- How effective is my employee policy training?
- How much sensitive data leaves my network every day via email, USB, and web?
- Are there any unauthorized applications running on my network?
- Is my data being uploaded to Facebook, Gmail, or Dropbox?
- Are my access controls effective?

SUSTAINABLE PROGRAM

Risk-based Policy Awareness & Controls

Evidentiary-quality Event Forensics

Alerting and Incident Response

Expert Security, Risk & Compliance Analysis

Live & Configurable Reporting Dashboard

Data Identification & Categorization

Continuous Data Discovery & Monitoring

IMPLEMENTATION

CUSTOMER DATA PRIVACY ASSURANCE

No sensitive content is transmitted or stored as part of the MSIP service. Event details are captured as metadata that can recreate any event with forensic accuracy. Metadata is encrypted, hashed, and digitally signed before being securely transferred to Verdasys' hosting facilities via Digital Guardian's FIPS 140-2 certified messaging protocol.

TAMPER RESISTANT & STEALTH AGENT

Digital Guardian agents operate in highly-secure modes that make it nearly impossible for even technically skilled administrators or hackers to bypass policy controls.

RISK-APPROPRIATE CONTROLS

MSIP offers a continuum of policy enforcement options by offering automated alerts, training & justification prompts, encryption, and usage controls before a potential violation can occur. MSIP allows organizations to support a more compliant employee culture driven by awareness and accountability using situation-specific responses for any data risk based on their exact security and business needs.

INHERITABLE DATA IDENTIFICATION & CATEGORIZATION

Accurately classifying sensitive data is the foundation of a risk-based data protection program. MSIP's file tagging technology is flexible, permanent, and requires no network-based content analysis.

MSIP SOLUTION PACKS:

- PII/PCI/PHI Compliance
- IP/Trade Secret Containment
- Insider Threat Management
- Export Control Compliance
- Targeted Cyber Attack Defense

MSIP is delivered as a subscription-based service. It supports information risk analysis and management across Windows, Linux, Mac, VMware, Citrix, and iOS devices. Pricing is based on user volume and solution packs. Contact Verdasys at msip@verdasys.com for details.

Verdasys (Twitter: [@Verdasys_Inc](https://twitter.com/Verdasys_Inc)) provides Enterprise Information Protection (EIP) solutions and managed services that secure sensitive data and assures the integrity of business processes that enable midsize and global businesses to successfully compete in collaborative and mobile environments.

Digital Guardian, recognized as a Leader in Gartner's 2011 Magic Quadrant for Content-Aware Data Loss Prevention, is a proven technology platform that provides complete policy-based data lifecycle monitoring, classification, forensics, and control on endpoints and servers; virtual machines and enterprise applications; networks; mobile devices; and cloud environments. Digital Guardian protects IP and regulated data from compromise by insiders, contractors, partners, and targeted [cyber attacks](#). Since 2003, millions of Digital Guardian agents have been deployed to protect critical data for global leaders in financial services, insurance, technology, manufacturing, and healthcare industries. Companies serious about information protection choose Verdasys.

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