Guidehouse
Outwit *Complexity*

Solutions for Tackling Cyber Risks in the Cloud

For organizations using data and cloud services across multi-tenant environments, Guidehouse helps reduce cyber risks and prepare effective incident responses.

These solutions, when not properly managed in the delivery environment, can compromise the overall cybersecurity of the enterprise. That could affect patient safety in a healthcare provider organization or the integrity of validated systems in a life science company. Fortunately, there are proven strategies to mitigate the increased risks of cloud service-based systems.

Guidehouse Helps Mitigate Cloud Cybersecurity Risks

While cloud technologies have provided organizations with powerful tools and decreased IT costs, they have also increased the potential risks and threats to an enterprise's IT infrastructure. Cloud services have dynamically changed the cyberattack surface by increasing the organization's reliance on third parties with differential cybersecurity capabilities and processes.

An organization's existing cyber technology generally struggles to integrate these services into the company's existing infrastructure, security processes, and technology. But Guidehouse's cybersecurity experts have the necessary experience working across multiple types of platforms and service capacities to successfully evaluate and integrate an enterprise's cybersecurity practices within their cloud platforms.

Cloud security compromises at the SaaS and PaaS levels have increased because:

- Organizations don't have a clear line of responsibility defined for security with the vendor
- Companies make incorrect assumptions about vendors' cybersecurity processes
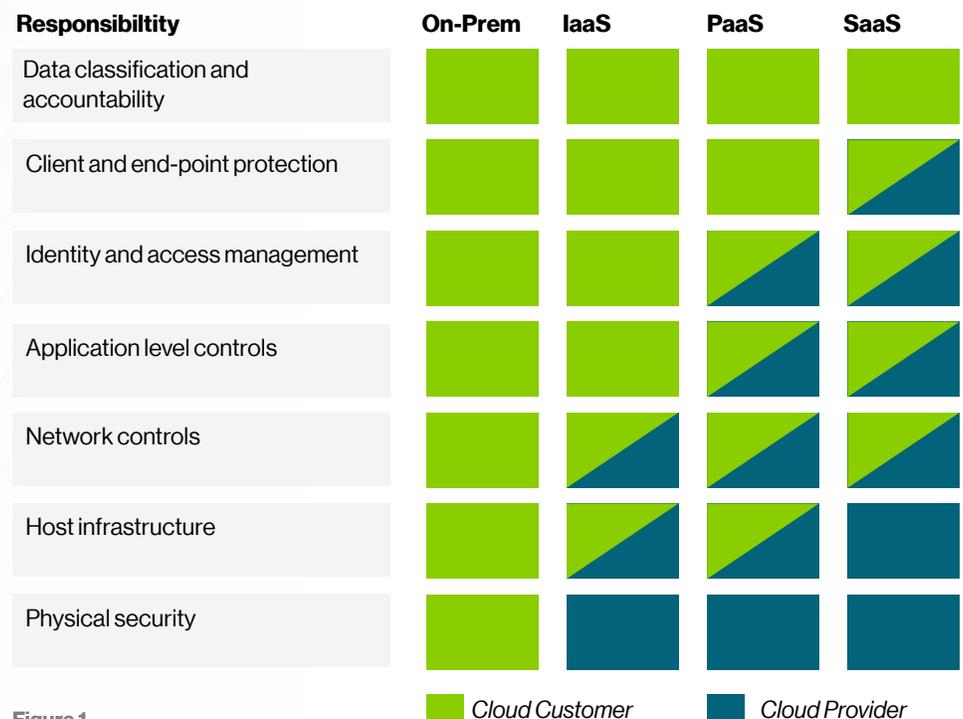- The belief that cybersecurity is "cloud native" gives false comfort

Responsibiltity	On-Prem	IaaS	PaaS	SaaS
Data classification and accountability	Cloud Customer	Cloud Customer	Cloud Customer	Cloud Customer
Client and end-point protection	Cloud Customer	Cloud Customer	Cloud Customer	Customer/Provider
Identity and access management	Cloud Customer	Cloud Customer	Customer/Provider	Customer/Provider
Application level controls	Cloud Customer	Cloud Customer	Customer/Provider	Customer/Provider
Network controls	Cloud Customer	Customer/Provider	Customer/Provider	Customer/Provider
Host infrastructure	Cloud Customer	Customer/Provider	Customer/Provider	Cloud Provider
Physical security	Cloud Customer	Cloud Provider	Cloud Provider	Cloud Provider

Figure 1

■ Cloud Customer   ■ Cloud Provider

Guidehouse's Cyber Risk Management Process

In the evolving Web 3.0 environment, organizations face the crucial task of securing their systems and data across multiple cloud environments. Guidehouse helps companies respond to business and cyber needs throughout this process by addressing these key areas:

- Strategy, governance, and management
- Security architecture and services
- Threat and vulnerability management
- Identity and access management
- Information and data privacy protection
- Incident and crisis management
- Risk and compliance management
- Delivery and operations

Figure 2

The Guidehouse Advantage

At Guidehouse, we have delivered cybersecurity solutions to commercial and federal agencies including the Center for Medicare and Medicaid Services, National Institutes of Health, and Centers for Disease Control and Prevention. Our cyber advisors partner with providers, life sciences companies, payers, and other healthcare organizations to protect their critical assets and data. We offer cybersecurity solutions to help our clients establish and optimize information security, privacy procedures, and systems so they can be prepared to address current—and future—technology risks.in the event of a cyber incident. This encompasses an effective mitigation plan to enact when those services aren't available—which should be readied during the acquisition phase and operationalized over the course of service adoption and integration.

For more information, visit **www.guidehouse.com/cybersecurity**

About Guidehouse

Guidehouse is a leading global provider of consulting services to the public sector and commercial markets, with broad capabilities in management, technology, and risk consulting. By combining our public and private sector expertise, we help clients address their most complex challenges and navigate significant regulatory pressures, focusing on transformational change, business resiliency, and technology-driven innovation. Across a range of advisory, consulting, outsourcing, and digital services, we create scalable, innovative solutions that help our clients outwit complexity and position them for future growth and success. The company has more than 12,000 professionals in over 50 locations globally. Guidehouse is a Veritas Capital portfolio company, led by seasoned professionals with proven and diverse expertise in traditional and emerging technologies, markets, and agenda-setting issues driving national and global economies. For more information, please visit **www.guidehouse.com**.