Cloud Services
Risk Assessment Report
Shadow IT Analytics & Business Readiness Ratings
November 1, 2014
Based on all data sources from October 1, 2014 to October 31, 2014

Shadow IT Assessment & Monitoring
with Elastica CloudSOC™ & Audit
Use of SaaS and cloud services is growing at a staggering pace, fueled by their ease of adoption, ability to be deployed rapidly, cost benefits, and support for convenient collaboration. While organizations may consciously embrace select cloud applications, others are often introduced by employees in an ad-hoc manner to aid business productivity or for personal applications.

This creates a “Shadow IT” problem for CIOs as they lack visibility into the unsanctioned SaaS app usage within their enterprises. From an infosec standpoint, this lack of visibility creates a risk exposure for the enterprise as the IT department can’t protect what it can’t see. As the movement towards User-centric IT grows, CIOs also need to understand which cloud applications are being adopted by employees and determine if they may be safe for use within the enterprise.
Elastica's Audit application finds and monitors all the cloud apps being used in your organization and highlights any risks and compliance issues these may pose. Audit is a powerful tool for making intelligent decisions about which cloud apps organizations should embrace and which should be avoided.

Uncover Shadow IT
Gain visibility into all the cloud apps used within your company and their detailed Business Readiness Ratings®.

Analyze Your Cloud Risk Profile
Get executive reports regarding your organization's risk profile tailored to your unique requirements.

Make Smart Cloud App Choices
Perform comparisons among alternative cloud apps and continuously monitor usage for compliance enforcement.

Elastica Audit
How The Solution Works
The Elastica Audit application ingests logs from firewalls and other security proxy devices to perform its analysis. In order to meet privacy needs and regulations, customers can also anonymize and compress log information with Elastica’s on-premises virtual appliance SpanVA, prior to log streaming. Logs are processed and results are available in the Elastica CloudSOC Audit App.
Features

Shadow IT Risk Assessment
Finds and monitors all cloud applications used in your organization and highlights any risks and compliance issues.

Business Readiness Rating
Automatically rates each cloud application discovered in your organization, based on 60+ objective metrics.

Customized Ratings
Enables customization of criteria weighting, to have ratings uniquely match your organization’s needs.

Risk Categorization
Categorizes your apps into high, medium or low-risk categories.

Usage Analysis
Reveals how frequently each cloud app is used and by whom, identifying opportunities for streamlining and cost reduction.

Comparative Analysis
Finds alternatives for high-risk apps (or any app), and performs intuitive side-by-side comparisons.

Advanced Visualization
Quickly zooms into the information you are looking for with easy-to-use filters, pivot views, and time scale adjustments.

Easy Data Export
Readily exports data for offline analysis and processing.

Cloud Services Risk Assessment Report
Provides a comprehensive report with executive summaries along with a list of discovered services and recommendations.

Scheduled Reports
Delivers periodic reports via email to critical stakeholders in the organization.

Access Enforcement Policies
Allows remediation at the proxy or firewall through blocking of non-IT approved apps.
The Elastica Audit App addresses IT security’s most pressing needs. Some key use cases are:

As a security admin, I’d like to identify SaaS apps that can pose a risk to my company – apps discovered in my organization that lack tighter security controls, users of these apps, and other usage details.

With the Elastica Audit App, you can quickly identify risky services that your employees have adopted or started using recently, as well as identify the employees using these services. Moreover, you can discover why each app is risky, as measured against over 60+ objective security attributes.

The Elastica CloudSOC Audit application analyzes your company’s proxy and firewall logs to provide an executive summary and identify the cloud services in use. Along with several prioritized views such as “most risky services” and “most used services”, you can instantly generate a cloud service risk assessment report that will provide deeper insights into risks and usage, and monitor their trends over time.

We are a global company with 40,000 employees spread across different parts of the world. As a CISO/CIO, I have little visibility into the scale and impact of Shadow IT and need to know which SaaS services are being used in my company.

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With the Elastica Audit App, you can quickly identify risky services that your employees have adopted or started using recently, as well as identify the employees using these services. Moreover, you can discover why each app is risky, as measured against over 60+ objective security attributes.
Now that I've identified the unsanctioned cloud apps in my organization, how can I take action to block them?

With Elastica CloudSOC, you can block unapproved cloud services discovered using the Elastica Audit App while letting employees use apps that meet internal security guidelines. With this solution, you can embrace Shadow IT and adapt to your employees’ and business unit needs.

Our business units are adopting cloud services to automate their processes. Evaluation of the cloud service providers (CSPs) they are using is a time-consuming activity which involves collection of many data points and performing risk assessments of the services. Is there an easier way?

Elastica’s research team has analyzed thousands of cloud apps using 60+ objective information security attributes. You can modify the prioritized weighting of these attributes to match your organization’s internal security requirements (e.g., critical feature vs nice to have), or use the default settings. A “Business Readiness Rating” is then computed and assigned to each cloud service. Each service is also mapped to respective categories such as file sharing or CRM. The “Compare Services” feature in the Elastica Audit App allows side-by-side comparisons and dramatically reduces the CSP vendor evaluation time.
You can identify discovered SaaS services by category and monitor adoption of these services. By comparing these services across attributes that matter to your organization, your IT team can be well-informed in making recommendations to business units for potential alternative apps. This data can also be used to facilitate the consolidation of multiple accounts with the same SaaS provider into a single account to achieve a better discounts and reduce IT complexity.

I’m concerned that we are wasting money, with many disparate groups using a variety of cloud apps to provide similar functions. Is there a way to identify this inefficiency, so I can consolidate service agreements, trim business costs, and simplify IT management?

Elastica offers standalone Securlets™ that provide advanced security functionality for specific cloud apps such as Box, Google Drive, and Office 365. You can protect corporate assets stored in these apps by detecting and remediating risky exposures including those related to personally identifiable information (PII), Payment Card Information (PCI), Protected Health Information (PHI), source code, financial, or other sensitive types of data. Elastica Securlets also detect malicious user activity, and provide policies and controls to prevent data leakage.

Do you offer a solution that provides me deeper insights into an individual SaaS app such as Box? I’m specifically concerned about the 10 million files and 50,000 folders I have stored in it. How do I know which users are at highest risk for exposing sensitive content?
Data Science Powered™ Cloud App Security

Elastica is the leader in Data Science Powered™ Cloud Application Security. Its CloudSOC™ platform empowers companies to confidently leverage cloud applications and services while staying safe, secure and compliant. A range of Elastica Security Apps deployed on the extensible CloudSOC™ platform deliver the full life cycle of cloud application security, including auditing of shadow IT, real-time detection of intrusions and threats, protection against intrusions and compliance violations, and investigation of historical account activity for post-incident analysis.