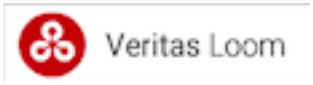

Loom Option2 Datasheet

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Veritas Technologies LLC

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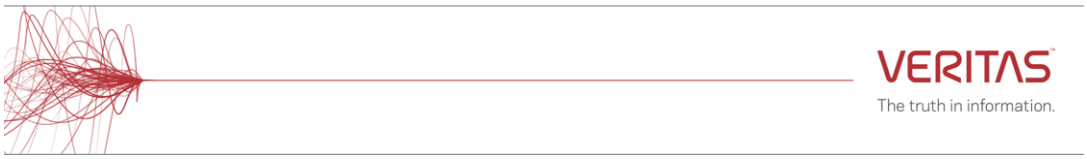
Contents



1 Overview

Digital transformation waves are steadily eroding the boundaries between Consumer and Enterprise Software realms. Applications are the primary guiding forces in data center infrastructure design. To gain competitive advantage,

enterprises are using dynamic applications that not only integrate with other business applications but processes as well. These modern data crunching applications utilize technologies such as containerization, micro-services and workload mobility. In addition, they are bringing about technological shifts through newer data access traffic patterns that are mostly horizontal inter-app traffic rather than the traditional top down app to storage data access.

Enterprises often struggle to reorient and align with these industry shifts as they have a variety of complex infrastructures. For them, bringing several disparate systems together can be a challenge, especially where different functions "own" and have developed them in some degree of isolation. Often, many designated data owners within an enterprise do not have real access to data or clear visibility into their data sets or their historical contexts. What they require is a seamless layer that intermediates between related and interdependent application workflows and enterprise data access needs. Such a layer can facilitate information sharing, analytics and actionable insights while efficiently using common resources. There is a continuous tension between retaining control of enterprise data assets and scalability while maintaining simple yet productive user experience of information governance.

Loom - the Veritas multi-cloud data management platform is designed to address these challenges comprehensively by providing an end-to-end, unified, scalable, robust and flexible platform ecosystem to govern and monetize enterprise information assets. It enables enterprises to gain visibility into their data sets through a robust, scalable framework which can help facilitate application cooperation and resource sharing. Its multi-tenant, scalable, micro-service driven architecture can help enterprises achieve complete visibility into their data assets and comprehensive information governance.

2 Product Highlights

- Flexible deployment model - can be deployed on premise, in the cloud or in a hybrid setup.
- Offers complete visibility, 360 data analysis, into enterprise data assets located on premise, in the cloud or both.
- Enables on-demand interaction with enterprise data sources, offers capability to aggregate data assets and analyze them.
- Real time data scans, classification and analytics to obtain information insights
- Workflows for on demand or policy based remedial actions to ensure compliance with information security and data privacy regulations.
- Built-in Loom applications for 360 data analysis including data visibility, insights and data classification
- Enabling Web service API SDK to help enterprises create or deploy customized 3rd party applications that can access their data assess for information insights in a secure and scalable manner.
- Data Marketplace facility

3 Loom Concepts

Loom, the Veritas multi-cloud data management platform focuses on providing multi tenancy from ground up. Its architecture revolves around cloud-native abstractions and is completely micro-services driven. It supports all enterprise assets located on premise or in any cloud type. Figure above provides a high-level architecture of the product. Some of the key concepts of the platform are described in the table below.

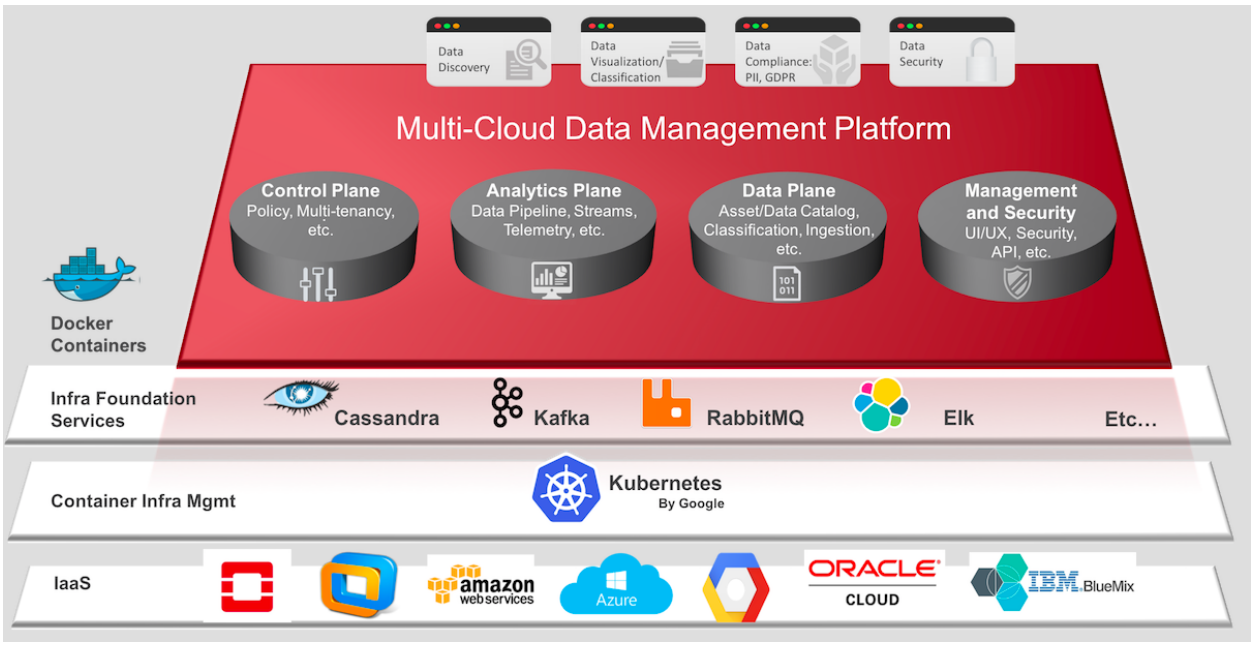


Fig. 1: Figure: Loom High Level Architecture

Control & Data Planes	Single Control Plane and multiple Data Plane model for efficient data management and scalability.Control Plane is geared towards workflow management and orchestration whereas Data Planes are primarily focused around data source connections and data pipelining aspects.
Data Sources	The platform can connect to various enterprise data sources on premise and in the cloud through its data connector framework. This enables applications built on top of the platform to seamlessly gain enterprise data insights for information monitoring and control requirements.
Data Analytics Job Scheduling	**Like any other multi-tenant platform, scheduling is important to share** resources such as data assets, data insights and inter-app collaboration. The Job scheduling framework enables Loom Application co-existence and optimal resource sharing based on enterprise policies.
Analytics Engine	Data Insights - TBD
Classification Engine	ICE - TBD
Dashboard	Single unified, intuitive yet simple user interface for ease of administration of the platform within an enterprise or by an MSP depending upon the deployment model.
Information Insights	Exhaustive auditing and event logging and data access pattern and insight data retention for historical or regulatory analysis
Information Governance	Key objectives include extracting value from enterprise data assets and mitigating risks associated with the same. Information Governance comprises of a set of multi-disciplinary structures, policies, procedures, processes and controls implemented to manage information at an enterprise level, supporting an organization's immediate and future regulatory, legal, risk, environmental and operational requirements.

4 Features & Benefits

Veritas Loom is the foundation that provides a robust, scalable ecosystem through which enterprise information management applications can not only gain data insights in a shared manner but also build upon analytics and data classification features offered by the platform to monetize actionable insights. Following are some of the key features of the platform.

Product Features

- Multi-tenant, micro-service based architecture with modular services that can be leveraged by data crunching applications while sharing infrastructure resources
- Secure connectivity to plethora of (20+ connectors? Use proper term here) enterprise data assets
- Tracking and auditing capabilities for enterprise data access activities to achieve regulatory compliance
- Built-in data analytics job management and framework to further analyze metadata utilize insights such as data ownership, business value of data, data location and usage
- Actionable intelligence through smart data scans, advanced data classification and machine learning driven data analytics to gain insights such as – is the business-critical data backed up, what are the enterprise data asset vulnerabilities, where is scope for storage optimization etc.
- Policy based engine for managing data workflows and behavioral analysis to help enterprises achieve comprehensive information governance
- Powered by cutting edge, patent pending machine learning algorithms for data classification
- Seamless integration with Data Protection and archival functions (future releases?)
- 3rd party RESTful Web Service APIs to enable newer data crunching business applications needs and seamless integration into the enterprise information governance ecosystem

Product Benefits

- Boost Productivity of Enterprise Information Governance Practices
- Obtain 360 data analysis and a view into enterprise data assets to gain actionable insights and lower operational costs
- Improve operational efficiency through intelligent, policy based, information management
- Ease of compliance with information security and data privacy regulations
- Flexibility to implement content-enabled Loom Applications either as single departmental solution or deploy them across your entire enterprise

5 Loom Enterprise Use cases

Data Governance executives such as Data Protection Officer, Chief Security Officer, Chief Information Officers require a unified view of enterprise data assets in order to monitor, govern, identify and plug in vulnerabilities and protect these resources. Multi-Cloud Data Management Loom addresses customer pain points related to data visualization, classification, information governance and compliance, data protection and security risk mitigation, and improving operational efficiencies. Following are some of the enterprise use cases of the platform:

Data Visualization & Classification	• 360 degrees view: Comprehensive visibility of data through connectivity to data sources, ability to collect & visualize enterprise data wherever it resides, on premise or in the cloud for information management & governance.
	• Actionable Insights: Gather intelligent information insights that can help enterprises to understand the value of their data assets and make informed business decisions.
	• Unified Dashboard: Monitor user access controls through real time tracking of data accesses, especially to business-critical data, actionable reports on risk and compliance personas, data ownership.
	• Information Classification: Analyze and classify of diverse data sources, structured or unstructured, such as audio/visual content, utilize proactive reports for remediation according to preestablished enterprise policies.
Information Governance	• Regulatory Compliance Coverage: Manage continually evolving global, regional and industry vertical regulations to enable enforcement of corporate policies even across encrypted data.
	• Defensible Remediation: Identify and control sensitive data, anywhere within the enterprise data asset landscape and jurisdiction, for internal or external regulatory purposes.
	• Leverage Secondary Storage: Enable access of archived data without the need to restore backups in order to access and use old data for information insights and analytics.
	• Tunable and Secure Data Access: Protect custodian data by encrypting / redacting sensitive data through policy based rules and enable efficient sharing of documents with multi access users.
	• Efficient legal discovery: Improved and relevant legal discovery of information within enterprise data assets, powered by machine learning, that quickly relates content & context and provides appropriate search results.
Information Security & Risk Mitigation	• Insider Threat Protection: Protect information by providing information access insights and user interaction, behavior patterns related to data access, irrespective of where the information resides, to prevent costly insider threats and data loss from the organization.

6 Product Deployment Model & Scale

Loom offers a flexible deployment model to suit enterprise business needs and budgets. It is designed and validated to support (TBD based on actuals from Engineering) say Exabytes of data, thousands of concurrent accesses and more - TBD. Enterprises can use any of the supported deployment models listed below:

On Premise: Enterprises with heavy investment in an on-premise infrastructure and stringent privacy requirements could choose this model and set up the control as well as data planes within their firewall.

Cloud Deploymenta: Loom can be setup either in a private cloud deployment model or as a multi-tenanted MSP setup which can be used by several customers such as small enterprises who do not wish to make any infrastructure investments.

Hybrid: Depending upon the business needs, enterprises could choose to setup the Loom Control plane on premise while the data planes can reside in the cloud for scale and efficiency.

7 Technical Specifications

The Technical Specifications of Loom list various infrastructure and technology related details that are required to deploy and use the Loom within an enterprise. For details refer to the System Requirements section.

8 In-built Loom Applications

TBD: Need Srinivas's help for this section

Talk about Loom UI, 360 data analysis and GDPR Applications in this section

9 Loom License & Support

You can refer to some placeholder content for now here. This is Work in Progress.

10 Summary

Loom, the Veritas multi-cloud data management platform empowers enterprise information governance principals with the information they need, when they need it. It can help enterprises gain visibility and scour their data assets in a unified, policy driven manner to obtain highly targeted information. Such in-depth insights cannot be obtained from analyzing standalone data asset. Through intelligent machine learning, metadata analysis and data usage pattern analytics, it can help turn unstructured dark data into information that enterprises can benefit from, not only to address regulatory compliance but also to monetize the actionable insights into newer streams of revenue. Its intuitive yet simple, unified Dashboard helps increase productivity, reduce operating costs and minimize risk related to enterprise data assets.. para_ds_summary:

For further information visit "Loom External Website /Sales URL" [To be updated]

ABOUT VERITAS TECHNOLOGIES LLC

Veritas Technologies LLC enables organizations to harness the power of their information, with solutions designed to serve the world's largest and most complex heterogeneous environments. Veritas works with 86 percent of Fortune 500 companies today, improving data availability and revealing insights to drive competitive advantage.

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