Loom Alpha2 Datasheet

Release 0.7.0

Veritas Technologies LLC

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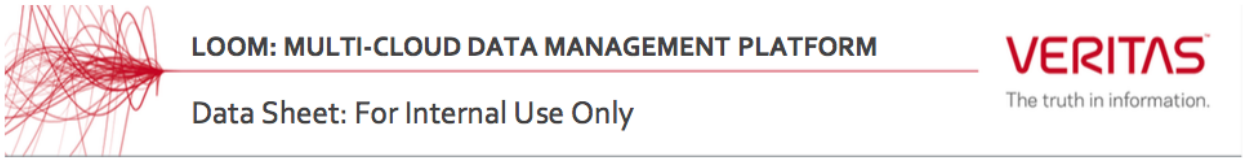
Contents



In today's data- and information-centric era, many enterprises are embracing multiple clouds. IDC predicts that by 2020, over 90% of enterprises will use multiple cloud services and platforms. Use of machine learning and artificial intelligence are driving deep insights from enterprise data, helping businesses to improve operations, build better products and drive customer success.

As these technologies become entrenched in business, data continues to grow at an exponential rate. IDC forecasts that by 2025, the digital universe will grow to 180 zettabytes of data. This data exists across multiple public and private clouds, Software-as-a-Service (SaaS) solutions and traditional storage systems. The data ranges from structured to semi-structured to de-structured and unstructured. In the absence of cutting edge software solutions, even sophisticated organizations will struggle to maximize value while reducing risk and cost associated with their data.

Recognizing this, many organizations are looking for comprehensive digital information management solutions that help address these concerns. Most current solutions are point products that are difficult to deploy and manage and do not offer a unified digital information management capability to address these challenges. An appropriate solution must provide visibility and insight into data, meet regulatory requirements, help secure data and control costs in this complex environment.

Veritas Loom is the first comprehensive intelligent data platform that helps organizations to address all of their data-related challenges. Loom is a web-scale platform that enables built-in and 3rd party apps and services to manage and eventually monetize information assets.

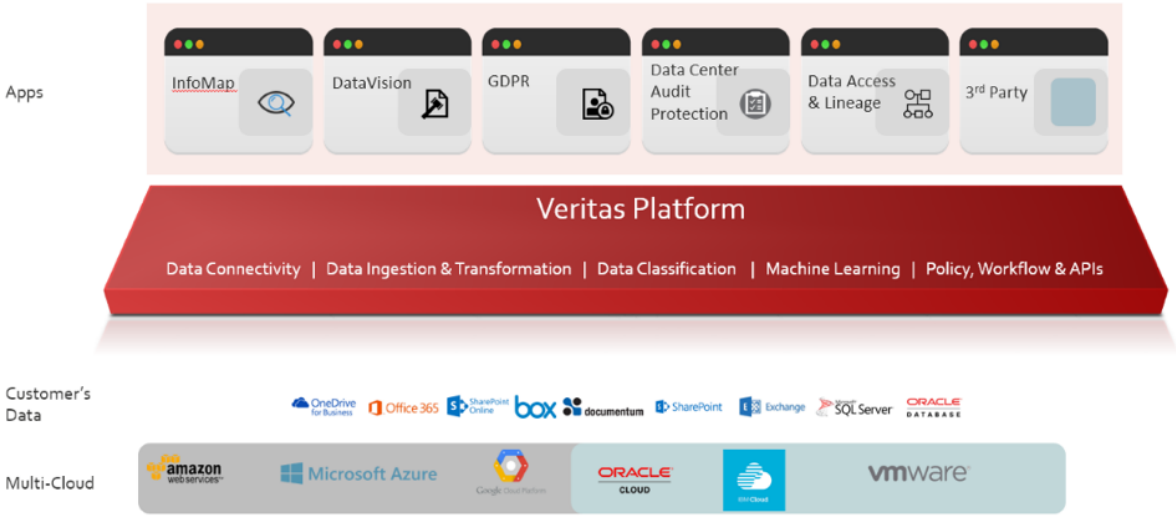


Fig. 1: Figure 1: High-level view of the Veritas Loom Platform.

1 Unique Benefits of Loom Platform

- Unparalleled visibility with built-in actions allows customers to make informed decisions and implement those decisions on unstructured data in complex environments.
- Policy-based control over unstructured data allows customers to achieve digital compliance goals across multi-cloud environments.
- APIs allow 3rd parties to drive additional information into, and read information out of Loom allowing customers to integrate Loom easily into new or existing business workflows.

Loom is offered as a service (SaaS) in Release 1.0. In future releases it will be offered in an appliance form-factor and as a VMware-compatible virtual appliance to run on-premises. Regardless of form-factor, the data engine component can be deployed on-premises or in public clouds – as close as possible to where the data is located.

2 Key Platform Concepts

Veritas Loom is built from the ground up as a cloud native, micro-services-based, web-scale solution. Some of the key concepts of Loom are described in the table below:

Table 1: Table 1: Key Loom Concepts

Concept	Details
Control Plane	The control plane provides business process workflow management and internal system orchestration.

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Concept	Details
Data Engine	The data engine enables discovery, scanning and classification of data sources. Many data engine instances can be deployed for one Control Plane. This flexibility allows the data engines to be as close to the data as possible.
Data Connectors	Data connectors abstract the complexity of underlying data locations, stores and types. Loom supports the following connectors: **Cloud** • Amazon S3, • Box Enterprise, • Google GCP Storage • Google G-Suite Drive • Google G-Suite Email • Microsoft Azure Blob Storage • Microsoft O365 Exchange Online • Microsoft O365 OneDrive • Microsoft O365 SharePoint Online **On-Premises** • EMC Celerra/VNX • EMC Isilon • Hitachi NAS • IBM Filenet • Microsoft Exchange • Microsoft SharePoint • Microsoft SQL Server • NetAPP Cluster • NetAPP Standalone • OpenText Documentum • OpenText Livelink • Oracle Database • Windows File Server (CIFS) **Veritas** • Access (Coming Soon) • Backup Exec • NetBackup • NetBackup Appliance • Veritas File System
Asset Database	This is the central metadata repository for Loom. Veritas, 3rd parties and customers can leverage the Asset Database to enrich their own applications and business processes. • Information metadata • Metadata search capabilities • Elastic and scales to over one hundred billion objects • 99.99% availability SLA

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Concept	Details
Actions	Actions allow organizations to orchestrate unstructured data across complex environments (ex: moving data from on-premises-to-cloud-storage or deleting data older than 3 years across heterogeneous locations. **Actions** • Discover • Classify • Move • Copy • Delete
Analytics	Pre-defined visualizations help organizations quickly understand and make decisions on data.
Content Classification	Content classification enables organizations to quickly scan content and tag data to help ensure that sensitive or risky information is properly managed. tag data to ensure that sensitive or risky information is properly managed and protected.
Apps	Loom hosts apps allowing organizations to address multi-cloud issues like digital compliance, data mapping/movement/deletion, and data protection. These apps will often have vertical- or business-specific workflows. 3rd parties can also develop apps to run on Loom.

3 Loom Alpha Appa

- DataVision

4 Early Adopter Product Benefits using DataVision

Table 2: Table 2: Early Adopter Use Cases

Actionable Insights	Gather intelligent information insights that can help enterprises to understand the location of their data assets and make informed business decisions.
Better Operational Efficiencies	Storage Tiering: Use analytics to drive data movement across on-premises and cloud to manage costs and optimize storage.
	TCO Savings: Use analytics to determine the cost of information and save costs.

5 Loom Technical Specifications

Loom is a Software-as-a-Service (SaaS) offering that requires no additional hardware or software deployment by the customer for analyzing enterprise content repositories located in the cloud. However, if an enterprise needs to utilize Loom features for its content repositories located on premises, in a secured manner, an additional Loom component called Data Engine needs to be deployed. The system requirements for this on-premises Data Engine component are listed in the figure below.

Loom customers can connect cloud and on-premises data sources supported by the Loom data connectors. To connect any on-premises content sources, Loom customers need to deploy the on-premises Data Engine component. For further details regarding Loom technical specifications, refer to the System Requirements section in the Loom On-Premises Data Engine Deployment Guide.

Fig. 2: Figure 2: DataVision App

ABOUT VERITAS TECHNOLOGIES LLC

Veritas Technologies empowers businesses of all sizes to discover the truth in information—their most important digital asset. Using the Veritas platform, customers can accelerate their digital transformation and solve pressing IT and business challenges including multi-cloud data management, data protection, storage optimization, compliance readiness and workload portability—with no cloud vendor lock-in. Eighty-six percent of Fortune 500 companies rely on Veritas today to reveal data insights that drive competitive advantage. Learn more at http://www.veritas.com/or follow us on Twitter at @veritastechllc.

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System requirements

This section lists the system requirements that must be met to deploy the on-premises data engine.

- The Data Engine must be deployed on a VMWare ESX cluster. The minimum ESX version must be 6.0.
- The operating system on the ESX cluster must be Ubuntu 16.0.4 or Red Hat Enterprise Linux version 7.x.
- The operating system for the connector node must be Windows 2012, 2012 R2, or Windows 2016. The operating system must be 64-bit.
- The data at rest is stored on the NFS. The responsibility of for encrypting the data on NFS lies with your organization.

Number of virtual machines for deploying Data Engine	• 1 master node and 3 worker nodes • 8 cores and 16 GB RAM on each node • Disk space for shared volume- 100 GB
Virtual machine for connector node	• 4 cores • 8 GB RAM • Disk space for shared volume-100 GB

Fig. 3: Figure 3: System requirements for deploying the Data Engine.