

CLOUD-BASED AI/ML & ANALYTICS, CYBER RESILIENCY, DATA PROTECTION & DATA MANAGEMENT FOR MAINFRAME

Make Your Mainframe Data an Integral Part of your Enterprise Cloud Data Ecosystem

OVERVIEW

Mainframe data is mission critical - but locked in a silo. Model9 delivers a suite of software products which unlock mainframe data and move it to the cloud, making the data part of your enterprise's digital transformation journey.



MODEL9 GRAVITY **MAKE YOUR MAINFRAME DATA ACTIONABLE BY CONNECTING IT WITH CLOUD AI/ML AND ANALYTICS**

Model9 Gravity delivers mainframe data to a cloud-based data lake. The data is transformed in the cloud to any open format without utilizing expensive mainframe compute cycles. In the cloud the process does not compete on CPU resources with other processes, so transformation is much faster than on the mainframe. AI/ML and analytics applications can then leverage both current and historical mainframe data to derive better business insights.



MODEL9 SHIELD **PROTECT YOUR MAINFRAME DATA FROM CYBER THREATS**

Model9 Shield uses immutable storage in the cloud to create multiple copies of the data and ensure all copies are protected. In addition, the data is compressed and encrypted end-to-end. When sent to cloud object storage, the data can also be air-gapped — which means an additional copy is isolated from the network and is not exposed to malicious attacks.



MODEL9 MANAGER **PROVIDE CLOUD NATIVE MAINFRAME DATA PROTECTION AND DATA MANAGEMENT**

Model9 Manager is a product that performs backup, archiving, space management, and disaster recovery directly from the mainframe to the cloud, thus eliminating the need for VTLs. Data transfer is efficient, and using cloud storage provides advantages such as flexibility, reliability and data sharing.

OFFERING STRUCTURE

Model9 provides a suite of products on top of the Model9 Cloud Data Platform, a set of core functions common to all products.

MODEL9 GRAVITY

MODEL9 SHIELD

MODEL9 MANAGER

Model9 Cloud Data Platform

Scale

Security

Availability

Reliability

Data
Movement

ELT

Management

Web-based
UI

BENEFITS

- ◆ Cut costs by reducing expensive mainframe CPU consumption
- ◆ Shorten time-to-value through efficient usage of resources on the mainframe and in the cloud
- ◆ Streamline business processes by democratizing the data
- ◆ Reduce risk, as mainframe data and applications are not modified
- ◆ Improve data-driven decision making by allowing AI/ML & analytics applications to access mainframe data in the cloud
- ◆ Secure mainframe data by protecting it from cyber attacks
- ◆ Keep mainframe data protected and always available, with cloud-based backup, archiving and DR functionalities
- ◆ Replace costly proprietary VTLs with affordable cloud based data management services

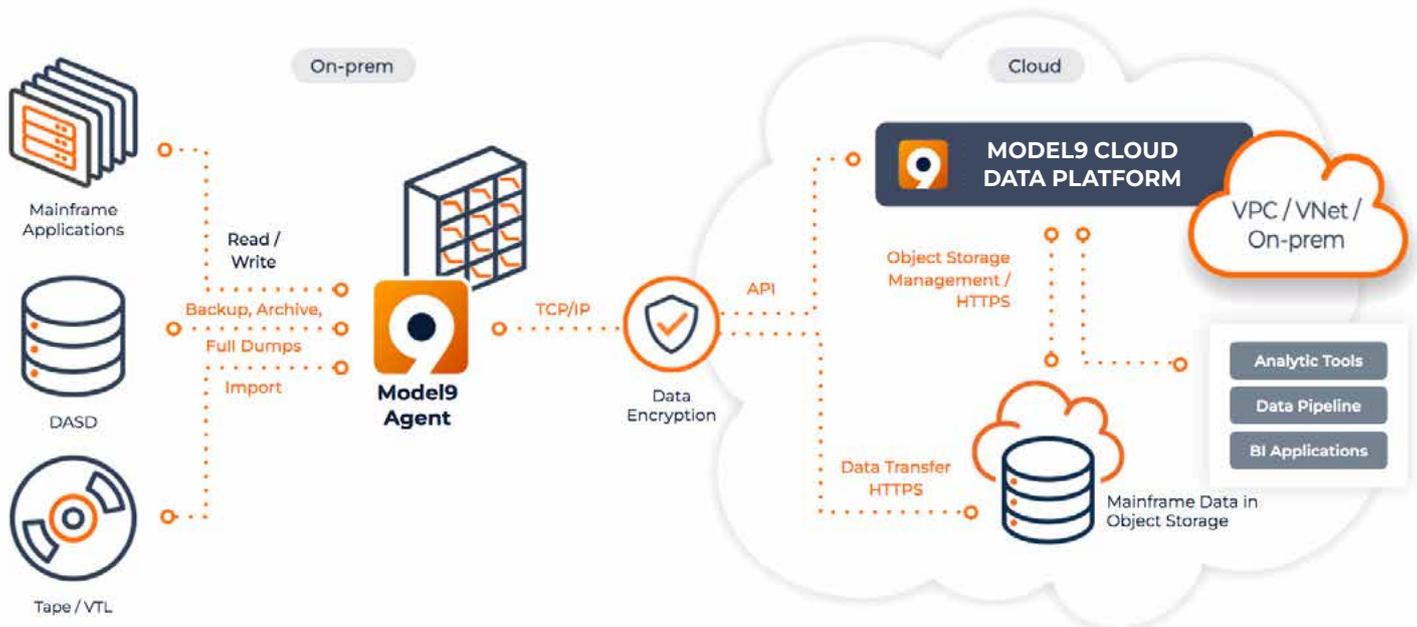
FEATURES

- ◆ Offloads processing to zIIP engines, thus reducing CPU consumption
- ◆ Transforms any mainframe data, in any format, including DB2, VSAM, sequential and partitioned data sets, to standard open formats such as JSON and CSV
- ◆ Mainframe storage agnostic: supports any DASD and any tape system
- ◆ Cloud agnostic: runs on any cloud, public or private, including AWS, Azure, GCP, HCP and IBM
- ◆ Offers lakehouse capabilities including cataloging, audit, rich metadata, standard open data formats, and support for AI/ML & analytics functionalities
- ◆ Provides cyber resiliency through the creation of immutable, isolated / air-gapped copies
- ◆ Transfers mainframe data (backed up, archived, and full volume dumps) directly to object storage, requiring no additional hardware / software
- ◆ Runs side-by-side with existing backup and tape management software, for simplified migration
- ◆ Provides tools for lifecycle management, retention and expiration of data in the cloud

PRODUCT ARCHITECTURE

Model9's products are made of two components - a zIIP-eligible agent running on z/OS and a management server running in a Docker container on Linux, Linux on Z, or zCX. The agent reads and writes mainframe data from DASD or tape directly to cloud storage over TCP/IP. A data set import policy provides automatic discovery of VTL data sets and facilitates transferring large amounts of data to the cloud.

Model9 uses the ELT approach (extract, load, transform), meaning the data undergoes transformation only after its transfer to the cloud. That process is faster and less expensive than traditional ETL (extract, transform, load), where any access to data requires transformation on the mainframe.



SUPPORTED HYBRID MULTI-CLOUD PLATFORMS



FOR MORE INFORMATION: contact@model9.io www.model9.io

