Vendita Master Automation Sequencer


The Business Case for MAS
The growing complexity and size of database environments strains IT resources, reducing agility and innovation.

Tight deadlines and budget constraints present challenges for IT managers charged with overseeing massive, sprawling database infrastructures. For teams that support these infrastructures, every day is a struggle to keep up with security, tuning, and backup-related tasks. Professional burn-out is common – zapping productivity, leaving no mental energy for innovation, and preventing organizations from positioning themselves for successful growth and adoption of new technologies.

Transitioning to an infrastructure that leverages automation, standardization and repeatable processes is how successful organizations are overcoming these challenges.

Gone are the days of experiencing deployment delays, complicated provisioning, and pieced-together processes to launch and manage database workloads on-premises or in the cloud. To achieve this setup, though, business must adopt new technologies that harnesses the power of automation and Infrastructure as Code (IaC). Vendita Master Automation Sequencer – MAS – is the asset designed to put this goal within reach.

Historically, automation software that could achieve these results came at a high cost. MAS has changed the game by putting these benefits in reach of organizations, large and small, finally allowing organizations to lower operational costs up to 30% or more\(^1\) without busting software budgets.

Highlights:

- MAS is an automation engine for systems-level tasks, including maintenance & upgrades.
- MAS configuration management allows easy management of parameters for all processes from a single interface.
- MAS allows easy review & search of past process executions.
- MAS excels at provisioning & configuring from bare-metal to fully operational DB servers.
- MAS Solution Pacs deliver pre-built, platform-specific automations for DBAs & System Administrators.
- MAS includes a library of basic OS & DB operations & supports the development of custom automations.
- MAS automates database-related tasks for Data Pump, RMAN, performance monitoring, tuning & storage management.
- MAS features a lightweight footprint with no client-side agent to install.

FOR MORE INFORMATION ON VENDITA MAS, VISIT VENDITA.COM
MAS – An Introduction
Master Automation Sequencer – MAS - is Vendita’s multi-platform, unified and mobile interface automation solution for system management.

MAS delivers immediate automation, provisioning, deployment, configuration management and time-saving technology, allowing for the most efficient and value-focused IT environment.

How It Works: MAS Solution Pacs
MAS runs as a VMware (VM) guest operating system made available through Vendita’s Cloud Delivery System. Accessed through MAS’ iOS interface, installation, setup, roles, and permissions can be easily executed and managed through the use of MAS Solution Pacs.

Each Solution Pac is a collection of processes that perform the operations of a specific technology for both databases and systems, providing automations for a wide variety of tasks, while limiting the need for specific technology expertise. Each MAS Solution Pac includes access to a Wiki that catalogs its features and usage.

Solution Pacs can be extended to incorporate existing processes, allowing for cataloging and version control.

Database Solution Pacs
The MAS Database Solution Pacs are a Database Administrator’s secret weapon, providing features that boost the everyday productivity of DBAs.

Without having to know or utilize individual technologies, these Solution Pacs provides users with a single management tool to access and manage runtime, tuning, backup and security utilities, to perform key functions, including:

- Backups & Imports
- Security
- Performance & Tuning
- Creation & Migration of Databases
- Configuration Management

With these Solution Pacs, DBAs can utilize a single tool to perform many tasks that currently require disparate tools, interfaces, and skillsets. MAS supports the following databases:

- Oracle
- Microsoft SQL
- MySQL
- Postgres / EnterpriseDB

In addition to those functions, the Solution Pac features the MAS Query Wallet, which allows existing scripts and queries to be stored and executed from the MAS platform.

IBM POWER® Solution Pac
The MAS IBM POWER Solution Pac enables automation for complex system setup and provisioning tasks, including the following:

- VIO Server Creation & Maintenance
- DLPAR / Virtual Server Creation
- Installation of Oracle Grid Infrastructure & Other Database Software
- Creation of Oracle Databases
MAS Query & Script Wallet

With the MAS Query & Script Wallets, organizations can take advantage of all existing processes, while increasing security, accountability, and accessibility.

These wallets allow any query or shell script to be captured as a MAS process, and shared with all users on the MAS iOS interface. Queries and scripts – along with descriptions – can also be hosted on a SFTP server, and utilized for execution as necessary. MAS supports two different approaches for its Query Wallet.

Hosted Query Wallet

The MAS Hosted Query Wallet allows queries and their descriptions to be retrieved from a SFTP server. Queries can be organized on the hosted query server with simple directories, and there is no limit to the number of queries or servers.

Compiled Query Wallet

The MAS Compiled Query Wallet "ingests" queries and scripts into the MAS namespace structure, making them available to all MAS users.

Compiled queries can be just one line or long complex queries with DDL or DML.

FURTHER INFORMATION

For additional information regarding Vendita MAS or any of the concepts covered in this briefing, please contact Vendita:

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Cost savings based upon MAS simulation and test performed for a customer. Test process available for all potential MAS customers upon request.