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This Fixed Price-Fixed Scope Service Description describes the **EV Migration Upgrade Services V11 to V12 Hardware Migration, Control # EV-Mig-11-12-0001** (the "Service"). This Service Description is part of any Services Instrument that incorporates this Service Description by reference (collectively, the "Agreement"). "Services Instrument" means one or more of the following applicable documents which further defines Customer's rights and obligation related to the Service: a Veritas certificate, or a written statement of work or similar document, between Customer and Veritas with associated terms and conditions, that references this Service Description.

Service Overview

This Service is a Fixed Price-Fixed Scope Service engagement to upgrade Enterprise Vault ("EV") from version 11. x or higher to a newer version of 12.x for each quantity Customer has purchased. This Service is a base package for Enterprise Vault ("EV") upgrades and can be supplemented with add-ons for additional applicable fees, to a maximum of four (4) EV and/or Discovery Accelerator ("DA") servers except for: the Add-On Enterprise Vault Windows 2012 To 2016 OS Migration Service, Add-On EV SQL Migration Service, and the Add-on EV and DA SQL Migration Service for which there is no maximum add-on count. Due to the EV hardware not running the requisite versions of Microsoft OS, a hardware refresh is required. The scope of the engagement covers the readiness check, migration, and upgrade of one (1) EV server to version 12.x.

Delivery Details

Scope of Service

Phase 1	Project Planning
Phase 2	EV Readiness Check
Phase 3	Production Migration/Upgrade to EV 12
Phase 4	Project Review and Closeout

PHASE 1 PROJECT PLANNING

Veritas shall initiate a planning discussion with Customer to prepare for the project. The topics outlined below shall be discussed during the meeting:

Veritas shall:

- Review roles and responsibilities
- Confirm primary Customer point of contact
- Review Scope of Service
- Provide Acceptance Test Plan ("ATP") summation document to Customer

PHASE 2 EV UPGRADE READINESS CHECK

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Veritas shall facilitate a WebEx with Customer to discuss the upcoming production upgrade of EV as well as provide any required tools for data collection. After reviewing the output, Veritas shall document any issues discovered within the environment and document the steps for upgrade.

Veritas shall:

- Perform a high-level evaluation of the current environment for issues that may affect the upgrade
- Provide tools and instructions for data collection
- Analyze and provide feedback on issues requiring remediation that could prevent a successful migration and upgrade
- Create operational task list for use during upgrade

PHASE 3 PRODUCTION MIGRATION/UPGRADE TO EV 12.X

The objective is to migrate and upgrade the EV infrastructure within the production environment.

Veritas shall:

- Analyze and provide feedback based on output from the EV deployment scanner
- On destination hardware, install EV binaries
- Shutdown EV on source :
 - On destination EV hardware:
 - Validate connectivity of the server to index / vault store partition storage
 - Perform a final index sync (if required)
 - Modify EV configuration for destination servers and validate
 - Upgrade from version EV 11.x or higher to a newer version of EV 12.x (with applicable hotfixes)
 - Upgrade related EV components (if currently deployed)
 - EV Reporting
 - EV Operations Manager
 - OWA extensions
 - Perform functional verification (ATP document)

PHASE 4 PROJECT REVIEW AND CLOSEOUT

Veritas shall perform and/or provide the following:

- Review project activities
- Provide completed ATP document
- Participate in closeout meeting

Deliverable

Phase 1 Deliverable:

- Schedule the readiness check

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Phase 2 Deliverables:

- Perform a high-level review of the environment
- Complete documentation of required operational steps for upgrade

Phase 3 Deliverable:

- Migrate one (1) EV server to new hardware running Windows supported OS for EV Version 12.x.
- Upgrade EV on one (1) server from 11.x or higher to a newer version of EV 12.x

Phase 4 Deliverable:

- Deliver the ATP document to Customer and attend the project close out meeting

Key Dependencies & Customer Responsibilities

- If Customer requires Veritas to perform the Service onsite, the parties will mutually agree on travel and expense fees
- Work is conducted during Normal Work Hours.
- Change Control Records shall be entered and maintained by Customer
- No feature or functionality changes based on version change are in scope unless applicable add-ons are purchased
- No other activities that impact performance and/or server availability (e.g. server patching, backups, storage migrations, other software installations/configurations, antivirus scanning) can take place during the upgrade and/or migration change control window
- EV and EV SQL servers must meet as least the minimum recommended specifications of four (4) cores and eight (8) GB RAM
- Verify SQL/EV Customer version compatibility with the destination SQL/EV version in the EV Compatibility List located at:
 - https://www.veritas.com/support/en_US/article.TECH38537

Customer Responsibilities. Veritas can only perform the Service if Customer provides required information or performs required actions. If Customer does not provide/perform per the following prerequisites, assumptions, or dependencies, Veritas' performance of the Service may be delayed, impaired or prevented:

- Upgrade license keys via the my.veritas.com portal during Phase 1 of the Service.
- Run provided information collection tools including application, SQL queries and/or PowerShell scripts on EV and SQL servers and provide results for analysis by Veritas during Phase 2 of the Service.
- Remediate any issues found that may affect the upgrade during Phase 2 of the Service.
- Ensure that all change control and end user notifications have been submitted during Phase 3 of Service.
- Provision and complete EV prerequisites on the new EV server during Phase 3 of Service.
- Download and locally stage EV installation media (and any hotfixes) and required licenses on the target server during Phase 3 of Service.



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- On the EV source and target servers, run the EV Deployment Scanner and provide results back to Veritas during Phase 3 of Service.
- Configure recommended antivirus exclusions on destination server: during phase 3 of the Service
 - https://www.veritas.com/support/en_US/article.TECH48856
- If utilizing Mailbox Archiving, during Phase 3 of Service, Upgrade legacy EV client (Outlook/Notes) add-ins to version 12.x (with applicable hotfixes) prior to EV 12 server upgrade (EV 12.x client works with EV server 11 and 12)
- Complete remaining prerequisites as documented in operational task list
- Perform recommended SQL maintenance against the EV SQL databases per the following Veritas Tech Note during phase 3 of the Service
 - https://www.veritas.com/support/en_US/article.000040169
- Prior to upgrade, disable scheduled SQL maintenance and backups. Disable backup jobs for EV servers and any utility/job that may take EV out of backup mode
- Conduct any necessary storage migration or re-mapping of LUNs from source EV server to target server
- Set EV into read-only (backup) mode and backup entire EV environment in order to establish recovery point at beginning of upgrade after Veritas has validated the environment during Phase 3 of Service (see bullets above) .
- After successful migration/upgrade establish backup jobs for EV and reinstate SQL maintenance and backup
- Veritas strongly recommends that the Customer back up all critical hosts in Customer's environment before Service commencement. Veritas does not accept responsibility or liability for any loss of data incurred by Customer during the delivery of this Service
- Provide the necessary staffing resources (e.g., LAN, SAN, OS Platforms, DBA, etc.) to enable the Service to be performed.
- Allocate any necessary space, power, cooling, networking, security measures, and wire/cable management for the Service.
- Provide any necessary network access for Veritas, SNMP and email address requirements for alert notifications, and open the necessary network ports to enable the Service to be performed.
- Provision a contiguous range of physical IP addresses and a contiguous range of virtual IP addresses. All IP addresses (both physical and virtual) must be part of the same subnet and use the same netmask as the node's access IP.
- Any additional Customer Responsibilities set forth in this Services Description and the Services Instrument.

Pricing Schedule

This Service is pre-paid, and payment is not contingent upon acceptance of any deliverable. Veritas shall invoice Customer or its Reseller in advance of delivery of Services.