

## 5 Year Total Cost of Ownership (TCO) Assessment

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VCF to OVE TCO

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## Executive Summary

This report provides a 5 year total cost of ownership (TCO) assessment for the VCF to OVE environment. The analysis compares the existing environment to 1 target environment using industry-standard and user-customized inputs and assumptions. This assessment measures long-term cost efficiency, licensing impact, and infrastructure support requirements.

The results identify the **OVE Migration environment** as the most cost-effective option, delivering the greatest financial advantage among all evaluated options. This report is intended to support IT and procurement stakeholders in making informed infrastructure decisions by providing a clear financial comparison of available pathways.

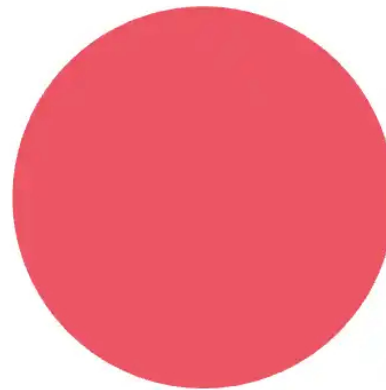
### OVE Migration Best

**\$2,728,000**  
5 year TCO Reduction

**49%**  
Expense Reduction

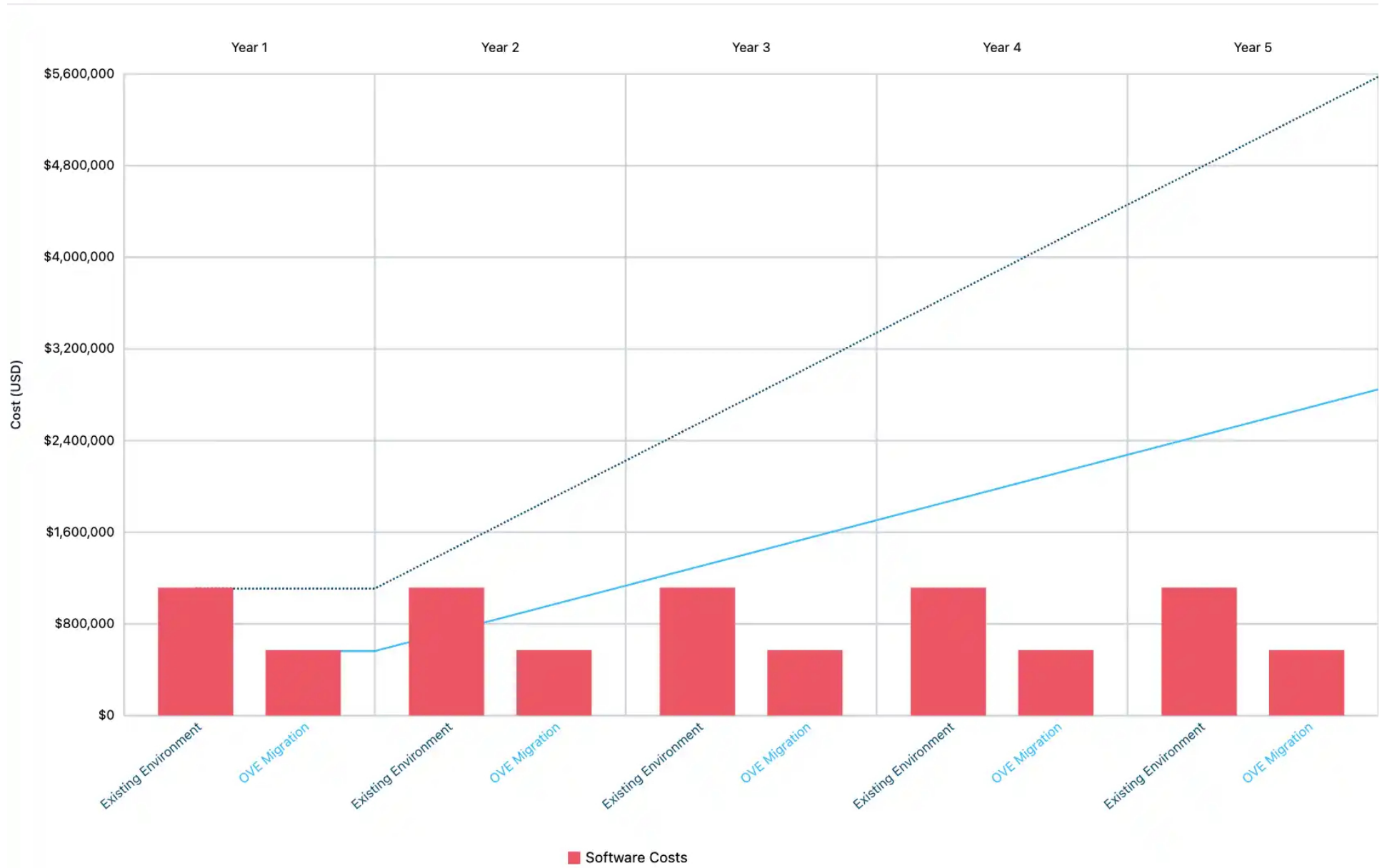
**96%**  
ROI

### Savings by Category



■ Software Costs

# Costs Timeline



## Analysis Details

Description	Existing Environment	OVE Migration <b>Best</b>
<b>Infrastructure Details</b>		
Number of Servers	40	40
Server Specifications	Intel Xeon Platinum 8558 / 2.1 GHz / 48 cores [1x48c]	Intel Xeon Platinum 8558 / 2.1 GHz / 48 cores [1x48c]
Total CPUs	40	40
Total Cores	1,920	1,920
CPM @ 50%	3,536	3,536
Memory @ 100%	40,960 GiB	40,960 GiB
<b>Software Costs</b>		
Red Hat Enterprise Linux for Virtual Datacenters	\$879,600	\$879,600
Red Hat OpenShift Virtualization Engine	NA	\$1,976,000
VMware Cloud Foundation	\$4,704,000	NA
<b>TCO Financials</b>		
	<b>Existing Environment</b>	<b>OVE Migration <b>Best</b></b>
Cost Reduction	NA	\$2,728,000
Expense Reduction	NA	49%
ROI %	NA	96%
Payback Period	NA	Immediate
<b>5 Year Total Cost of Ownership</b>	<b>\$5,583,600</b>	<b>\$2,855,600</b>

## OVE Migration - Environment Details

	Existing Environment	OVE Migration	Net Change
<b>Environment Overview</b>			
<b>Infrastructure Summary</b>			
Number of Servers	40	40	None
Total CPUs	40	40	None
Total Cores	1,920	1,920	None
Total CPM	7,072	7,072	None
CPM @ Util %	3,536 @ 50%	3,536 @ 50%	None
Memory @ 100%	40,960 GiB	40,960 GiB	None
<b>Intel 8558 Costs</b>			
<b>Software Costs</b>			
Red Hat Enterprise Linux for Virtual Datacenters	\$879,600	\$879,600	None
Red Hat OpenShift Virtualization Engine	NA	\$1,976,000	+\$1,976,000
VMware Cloud Foundation	\$4,704,000	NA	-\$4,704,000
<b>Total</b>	<b>\$5,583,600</b>	<b>\$2,855,600</b>	<b>-\$2,728,000</b>