

State of Ohio IT Guideline

Server/Desktop Virtualization ROI TCO Calculator

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Endorsed By: Enterprise Technical Architecture Subcommittee (ETA SC);
Leadership Management Committee of the MAC (LMC)
Approved By: H. Samuel Orth III, State CIO

1.0 Purpose

This document offers guidance to state agencies in the use of VMware's Return on Investment Total Cost of Ownership (ROI TCO) Calculator for planning virtualized environments.

2.0 Background

This guideline was developed as a result of the investigations and recommendations of the Server/Storage Virtualization and Consolidation Work Group (SSVC WG). The SSVC WG was formed by the Multi-Agency CIO Advisory Council (MAC) Enterprise Technical Architecture Subcommittee (ETA SC) to develop enterprise technical architecture and best practice recommendations for server and storage virtualization and consolidation.

3.0 Server/Desktop Virtualization ROI TCO Calculator Guideline

The SSVC WG recommends that the VMware ROI TCO Calculator tool be used to assist with planning virtualization implementations and initiatives.

Virtualization can significantly reduce server infrastructure cost. These savings are realized as a result of:

- Reduction in the number of physical servers in the data centers;
- Reduction in energy use by servers;
- Faster server deployment and provisioning;
- Standardization of server, operating system, and virtualization software environments;
- Overall reductions in capital and operating expenses; and
- More efficient use of resources.

VMware's ROI TCO Calculator is a free tool that affords information technology (IT) and business personnel insight into IT resource utilization. Use of this tool can provide valuable insight when planning virtualization initiatives, both server and desktop. The

information it provides can assist with development of a virtualization roadmap for virtual desktop initiatives, as well as server containment and consolidation.

The tool is designed to provide a total cost of ownership analysis comparing the current environment to a virtualized environment. Appendix A to this guideline outlines common parameters and recommendations on configuration to obtain the best results from the tool.

3.1 Revisions to this Guideline

Virtualization is a new and dynamically changing market with many developing technologies. The state will continue to monitor and evaluate developments in the market and re-assess technology directions as appropriate. As such, this guideline will be reviewed on an annual basis or when the vendor changes the tool substantially.

4.0 References

Section 125.18 of the Ohio Revised Code (ORC) gives the State Chief Information Officer the authority to coordinate and superintend statewide efforts to promote common use and development of technology by state agencies.

5.0 Procurement Guidance

None

6.0 Definitions

None

7.0 Related Resources

None

8.0 Inquiries

Direct inquiries about this guideline to:

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Ohio IT Guidelines can be found on the Internet at: www.ohio.gov/itp.

9.0 Document Revisions

Date	Description
December 2010	Original version of the Server/Desktop Virtualization ROI TCO Calculator Guideline

10.0 Attachments

A – Server/Desktop Virtualization ROI TCO Calculator