



## Preface

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This document provides the lab validation results of the Metro Virtualized Data Center system.

This Deployment Guide was written to be used in conjunction with two other sources: (1) The accompanying Design Guide; (2) The various best practices for the manifold technologies that were used to construct this architecture. Throughout this document, therefore, are found links to these other sources. A quick note about each follows.

**Design Guide**—The Design Guide was written with knowledge about the results of the lab validation effort and takes into account the various design caveats that were uncovered during the testing.

**Best Practices**—Where Cisco provides best practices, they were used to build the baseline validation test environments. As validation proceeded and the test team determined that these best practices needed to be adjusted for this particular system deployment, such changes were made and noted. In terms of configuration notes and user caveats, this document focuses on those differences. For reference, the best practice resources are noted throughout this document.

Refer to the follow link for Cisco Validated Designs using Data Center Interconnect.

[http://www.cisco.com/en/US/netsol/ns749/networking\\_solutions\\_sub\\_program\\_home.html](http://www.cisco.com/en/US/netsol/ns749/networking_solutions_sub_program_home.html)

## Document Goals

This document focuses on three key aspects of this Data Center Interconnect system, listed below. Technology overviews and comparisons are not the focus of this document and can be found in the associated Design Guide.

1. Specific configuration guidance for recommended design deployment—While the Design Guide focuses on high-level guidance for implementing the Metro Virtualized Data Center system, this Deployment Guide will focus on showing exactly how to implement this system, drawing on configurations used in the validated environment.
2. Highlight caveats specific to validated environment—Where there are caveats to be aware of in implementing the system as validated in the test environment, these are called out in this document.
3. Compare gross system performance under various feature combinations—To arrive at the recommended system designs, many different combinations of technologies were tested. The relative performance of these particular use cases will be shown. While the focus of this document

is not a detailed characterization of scalability and performance, some high level comparisons will be made to demonstrate a summary of expectations for performance after production implementation.

## Audience

This document is intended for, but not limited to, network architects, systems engineers, field consultants, advanced services specialists, and customers who want to understand how to deploy a workload mobility solution.