

HPE ATP – Hybrid IT Solutions V2

OFFICIAL CERTIFICATION STUDY GUIDE

(EXAM HPE0-V14)

First Edition

Radek Zima

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Official Certification Study Guide (Exam HPE0-V14)
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Publisher: Hewlett Packard Enterprise Press

HPE Contributors: Chris Powell, Chris Bradley

HPE Press Program Manager: Michael Bishop

About the Author

Radek Zima is an independent consultant who specializes in IT infrastructure design, implementation and maintenance for HPE servers, storage, networking, management and cloud software. He develops and delivers trainings, workshops, demonstrations, and conference presentations for HPE channel partners, customers and employees at training centers and events around the world. Radek has a Bachelor's degree and a Master of Science degree from the Faculty of Informatics and Statistics, University of Economics in Prague.

Introduction

This book is based on the Building HPE Hybrid IT Solutions, Rev. 19.41 course, which is designed to expose participants to the fundamental principles required to architect Hybrid IT solutions. The guide helps readers prepare for the Building HPE Hybrid IT Solutions (HPE0-V14) exam, which focuses on HPE networking, server, and storage solutions for SMB customers. The HPE ATP Hybrid IT V2 certification validates that a successful candidate has the knowledge and skills necessary to plan, design, recommend, and demonstrate HPE Hybrid IT solutions and deliver a proof-of-concept for a solution.

Areas of study include the ability to:

- Describe, differentiate, and apply industry standard, foundational SMB architectures and technologies.
- Differentiate the functions, features, and capabilities of HPE product and solution specific components and offerings.
- Recommend and position HPE SMB products, solutions, and appropriate services for customer use cases (positioning/use cases).
- Evaluate customer environment, and plan and design solutions using the HPE SMB portfolio to meet customer business requirements.
- Validate, install, configure, and upgrade HPE SMB solutions and their components.
- Troubleshoot, diagnose, and replace HPE SMB solution components.
- Manage, monitor, administer, and operate HPE SMB solution components.

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Audience

This book is designed for presales solution architects involved in supporting the sale of HPE SMB hybrid IT solutions, encompassing servers, storage, networking, and management. Typical candidates for the HPE ATP – Hybrid IT Solutions V2 certification are IT professionals who work in and around the data center and who have the responsibility to achieve and improve the availability and manageability of the data center. Typical candidate job roles include but are not limited to presales architects, presales engineers, enterprise architects, solutions engineers, and technology architects.

Assumed Knowledge

HPE ATP Hybrid IT Solutions V2 Study Guide is an entry-level book. However, before reading this book, you should be familiar with HPE server and storage platforms as well as basic networking technologies such as IP addressing, broadcast domains, and the Open Systems Interconnection (OSI) model. It is assumed that you have an understanding of HPE ProLiant servers, HPE MSA storage systems, and HPE FlexFabric networking solutions. You should also have an understanding of HPE data center technology and an interest in learning about HPE StoreEasy, StoreOnce, 3PAR, and Nimble storage systems as well as Aruba Network devices to help you understand customers' business issues and to propose appropriate solutions.

Minimum Qualifications

To pass the Building HPE Hybrid IT Solutions (HPE0-V14) exam, you should have a minimum of 12 months hands-on experience or the equivalent in at least one of the core HPE areas (server, storage, and networking) and six months hands-on experience or the equivalent in other HPE SMB solutions and technologies.

Relevant Certifications

After you pass these exams, your achievement may be applicable toward more than one certification. To determine which certifications can be credited with this achievement, log in to The Learning Center and view the certifications listed on the exam's More Details tab. You might be on your way to achieving additional certifications.

Preparing for Exam HPE0-V14

This self-study guide does not guarantee that you will have all the knowledge you need to pass the exam. It is expected that you will also draw on real-world experience and would benefit from completing the hands-on lab activities provided in the instructor-led training.

Recommended HPE Training

Recommended training to prepare for each exam is accessible from the exam's page in The Learning Center. See the exam attachment, "Supporting courses," to view and register for the courses.

Obtain Hands-on Experience

You are not required to take the recommended, supported courses, and completion of training does not guarantee that you will pass the exams. Hewlett Packard Enterprise strongly recommends a combination of training, thorough review of courseware and additional study references, and sufficient on-the-job experience prior to taking an exam.

Exam Registration

To register for an exam, go to https://certification-learning.hpe.com/tr/learn_more_about_exams.html

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1 Introduction to a Hybrid World

LEARNING OBJECTIVES

After completing this chapter, you should be able to identify:

- ✓ HPE Small Business Solutions
 - ✓ HPE as a company built on the idea of innovation
 - ✓ The Hybrid IT vision
-

SMB Hybrid IT for Dummies

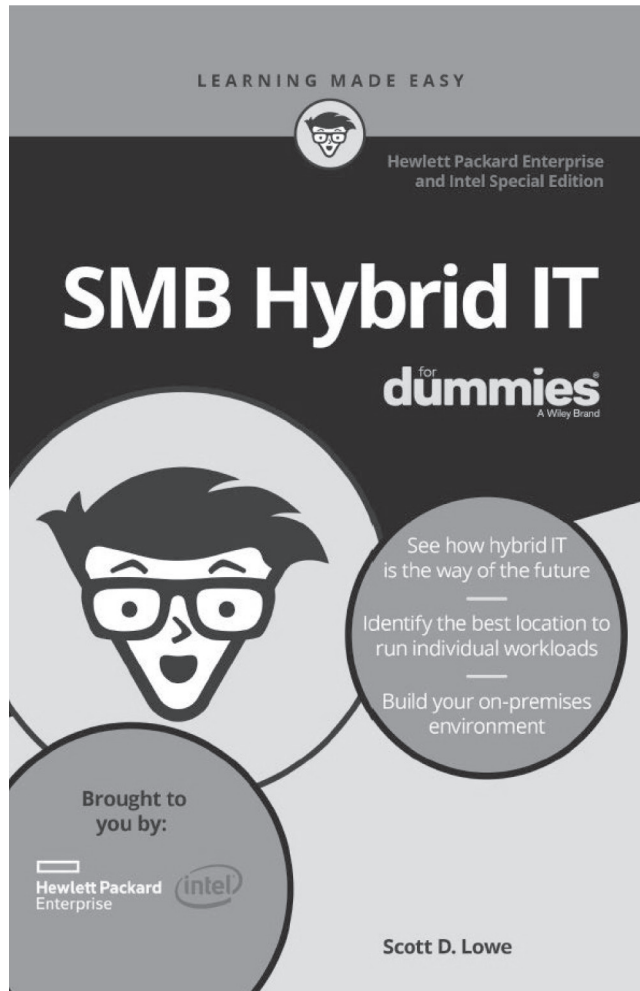


Figure 1-1 SMB Hybrid IT for Dummies

HPE is providing an eBook to understand hybrid IT: *SMB Hybrid IT for dummies*. Use the book, referenced in Figure 1-1, to learn how HPE helps with transforming IT operations and save time and money in the process. The book can be downloaded from: <https://www.hpe.com/info/smb>.

HPE Small Business Solutions

This chapter is wrapped around SMB customer scenarios. It does not start with complexities because building Hybrid IT solutions can be as easy as taking a validated SMB solution and building the customer solution based on best practices and guidelines outlined in this guide.

Small businesses today: Head in the cloud—feet on the ground

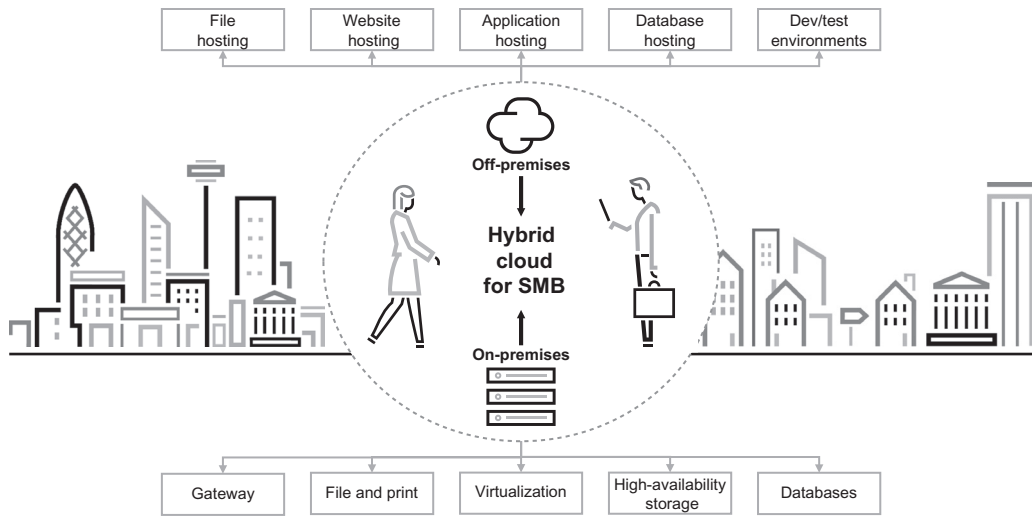


Figure 1-2 Small businesses today: Head in the cloud—feet on the ground

When it comes to IT purchase decisions, one of the biggest things small businesses struggle with is where to run your IT—on-premises or in the cloud.

Cloud has gained a lot of top-of-mind awareness due to perceptions of low cost of entry, ease of deployment, and flexible economics. However, cloud tends to fall short when it comes to data protection, compliance and legal concerns, performance, and service levels, just to name a few.

Like a lot of other SMBs, you may need help striking the right balance of on-premises IT (one or more servers at your office) and off-premises IT (private or public cloud).

Hybrid cloud, as indicated in Figure 1-2, is the term for mixing these two deployment options, and even SMBs can achieve a secure, simple, and affordable hybrid cloud environment that makes your customers more competitive.