



## Certification: HP ATA – Designing and Deploying Cloud Solutions

### Overview

Achieving an HP certification provides relevant skills leading to a fulfilling career in Information Technology. HP Accredited Technical Associate (ATA) certifications provide practical experience with HP and industry-standard technologies as an integrated part of an academic learning experience. HP certifications go well beyond simple concepts or product knowledge and focus on the application of knowledge in real-world environments. HP ATA certifications teach and assess the ability to design, implement and support IT solutions in a small and medium business context. HP ATA certification directly applies to a broad range of IT job roles including:

- IT Architects
- System Engineers
- System Administrators
- Technical Support Engineers

### Learning and Assessment Content

The HP ATA – Cloud certification provides the knowledge and experience required to discover a customer’s business objectives and to design an end-to-end IT solution that meets the customer’s requirements. This includes on premises elements, hosted and cloud services. In addition, knowledge and skill to deploy and troubleshoot the solution are also included. The following detailed testing and learning objectives are covered in the courseware and the exams.

Section	Objective
<b>1. Explain and recognize industry standard cloud and virtualization technologies and their implications on customer needs</b>	<ul style="list-style-type: none"> <li>• Describe and recognize common virtualization technologies and products and their implications on customer needs</li> <li>• Describe the business benefits of Virtualization</li> <li>• Define cloud and identify and describe various types of cloud services and their implications on customer needs</li> <li>• Describe the business benefits and risks of using cloud services</li> </ul>
<b>2. Plan and design end-to-end IT solutions for SMB customers</b>	<ul style="list-style-type: none"> <li>• Consult with an SMB customer to translate their business objectives into an enabling technology strategy</li> <li>• Gather the customer's technical requirements and assess existing infrastructure</li> <li>• Design the end-to-end Technical Solution for an SMB customer including on-premises, hosted, and cloud solution components</li> <li>• Design online presence and hosted services solution elements (incorporating both onsite and cloud components as appropriate)</li> <li>• Design an end-to-end solution for support/disaster recovery for an SMB customer</li> <li>• Write and present a solution proposal to the customer decision makers</li> </ul>
<b>3. Install, configure, and upgrade end-to-end IT solutions for SMB</b>	Implement changes to the existing infrastructure to support solution - including servers, storage, data, network, clients, applications, and users

<b>customers</b>	(scenarios in teaching and testing)
<b>4. Optimize and troubleshoot end-to-end IT solutions for SMB customers</b>	<ul style="list-style-type: none"> <li>• Apply the HP troubleshooting methodology in an end-to-end solution environment</li> <li>• Troubleshoot common issues in end-to-end solutions for SMB customers</li> <li>• Optimize common performance issues in end-to-end solutions for SMB customers</li> </ul>
<b>5. Administer and Manage end-to-end IT solutions for SMB customers</b>	Add users, groups and profiles on cloud services in addition to local infrastructure