HP ATA – Cloud certification

Introduction

In today's business environment, the lack of skills to execute IT technologies and cloud solutions is a roadblock for many companies trying to stay competitive. The **HP Accredited Technical Associate (ATA)** certification addresses those issues by providing the industry's first architect-level, open-standards, cloud-focused curriculum and certification designed for the academic environment. A robust curriculum with practice exams and real-world HP lab experience, infused with the relevant business context, enables students to implement an IT solution from start to finish in small- and medium-size environments.

Through HP Institute, the HP ATA certification covers these essential IT areas:

• HP ATA – Connected Devices

• HP ATA – Networks*

• HP ATA – Servers and Storage

• HP ATA – Cloud

HP ATA certification helps students gain higher job and earning potential through industry-recognized certification and high-quality education that provides practical experience with HP and industry-standard technologies. The HP ATA – Cloud certification provides the skills and knowledge required to understand a customer's business objectives and to design, implement, and support end-to-end IT solutions in a small to medium business context. In the course, you will learn industry-standard virtualization technologies, including the planning and designing of common virtualized services and their implications for customer needs. You will install, configure, and upgrade servers, storage, data networks, applications, and management in small and medium business environments. In addition, you will learn about hosted, co-located, and cloud solutions and the differences in functionality and cost between those and a traditional on-premises solution. You will learn about the business implications of each option and the criteria for selecting the appropriate solution (or combination) for a given business scenario.

See "Exam and course details" for more information.

*A current Cisco Certified Network Associate (CCNA) certification will be accepted as a substitute for the HP ATA – Networks certification, which is a prerequisite for the HP ATA – Cloud certification.

Exam and course details
Course name: Designing and Deploying Cloud Solutions (#00421554)
Exam HP4–A04

Section	Objective
1. Explain and recognize industry-standard cloud and virtualization technologies and their implications for customer needs	• Describe and recognize common virtualization technologies and products and their implications for customer needs • Describe the business benefits of Virtualization • Define cloud and identify and describe various types of cloud services and their implications for customer needs • Describe the business benefits and risks of using cloud services
2. Plan and design end-to-end IT solutions for SMB customers	• Consult with an SMB customer to translate their business objectives into an enabling technology strategy • Gather the customer's technical requirements and assess existing infrastructure • Design an end-to-end technical solution for an SMB customer, including on-premises, hosted, and cloud solution components • Design online presence and hosted services solution elements (incorporating both onsite and cloud components as appropriate) • Design an end-to-end solution for support/disaster recovery for an SMB customer • Write and present a solution proposal to the customer decision-makers
3. Install, configure, and upgrade end-to-end IT solutions for SMB customers	Implement changes to the existing infrastructure to support solution—including servers, storage, data, network, clients, applications, and users (scenarios in teaching and testing)
4. Optimize and troubleshoot end-to-end IT solutions for SMB customers	• Apply the HP troubleshooting methodology in an end-to-end solution environment • Troubleshoot common issues in end-to-end solutions for SMB customers • Optimize common performance issues in end-to-end solutions for SMB customers
5. Administer and manage end-to-end IT solutions for SMB customers	Add users, groups, and profiles on cloud services in addition to local infrastructure

Start your IT career

Achieving an HP ATA – Cloud certification signifies job-readiness in key IT roles:

• IT solutions architect
• Systems engineer
• Technical support engineer
• Network management center
• System administrator
• Helpdesk support

For HP ATA certification, training is delivered through Certiport authorized centers and approved learning institutions. Certiport is the largest provider of academic certification programs in the world and is working with HP to deliver the HP Institute program worldwide. To find and a participating school near you or to register for an exam, please visit **certiport.com/hpstudent**.

Exam details

To maximize results, it is recommended that students successfully complete the training and hands-on labs prior to the exam. The following are details about this exam:

• **Item types**
  Multiple choice
• **Exam time**
  50 minutes
• No online or hard copy reference material allowed

An email notification of test results will be sent 2–5 days after taking the exam.

Continuing career development

To continue your career development, **HP ExpertOne** provides everything you need to stay relevant and able to support the evolving needs of business and IT. ExpertOne provides training and certification for architecting, implementing, and supporting complete, end-to-end IT solutions with skill levels ranging from professional to master.

Certiport and HP Institute

HP is partnering with Certiport, Inc. to co-develop and distribute the HP Institute program. Certiport is the world leader in performance-based certification program management solutions with more than 12,000 academic institutions worldwide. HP and Certiport have developed a complete set of academic solution components. The academic components include HP Official Courseware textbooks, Remote Lab facilities, practice tests, and certification exams. All of these are designed for use by educators directly in the classroom environment.

HP ExpertOne

HP helps organizations address the widening IT expertise gap with HP ExpertOne, the industry's first end-to-end learning and expertise program. It delivers comprehensive knowledge with real-world, hands-on experience to attain the critical skills needed to architect, design, and integrate multivendor, multiservice converged infrastructure and cloud solutions. HP Institute extends the ExpertOne approach, bringing the industry's first academic architect-level certification to high school and secondary schools

and traditional two- and four-year institutions. By injecting business value and practical experience into technology education, HP Institute helps academic institutions prepare more qualified IT professionals. Graduates will have the business insight and knowledge of HP and industry-standard solutions needed to be productive from day one— the same skills employers will seek most to help their businesses implement critical new technology strategies and solutions.

For more information on the HP Institute or how you can be involved, please contact **hpinstituteprogram@hp.com**

Resources

Students who want more information, visit **certiport.com/hpjobready**

For information about HP Institute, visit **hp.com/go/Institute**

For information about HP ExpertOne, visit **hp.com/go/ExpertOne**

For information about Certiport, visit **certiport.com/hp**

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