55224A FEATURES

The 55224A course (combination of 552241AC & 552242AC) is designed to help data professionals learn to use storage and analysis tools in Microsoft Azure. Students will learn to design big data solutions that meet their organization's needs.

The course is divided into two manuals. 552241AC covers batch processing, real-time processing and interactive solutions. 552242AC covers cloud analytics solutions.

The course labs are designed for data professionals that work on Windows, Linux and iOS clients. Different methods of managing Azure resources will be demonstrated including PowerShell, Python, Azure Portal, Azure Cloud Shell and Azure CLI.

Free Microsoft Azure Subscription: Anyone taking the 552241AC or 552242AC courses will have access to free Microsoft subscriptions. Students perform live labs on Azure resources they create for class or personal projects.

Azure Cloud Shell: The new Azure Cloud Shell features can be used for any lab or exercise in the courses. Virtual Machines, while provided, are no longer required and students may do all their labs from a web browser on any device.

Modular / Blended Course Delivery: The course is designed so that modules can be skipped or delivered in any order. This also allows the material to be easily combined with other courses that cover similar Azure, SQL Server and PowerShell topics.

Design & Review Sections: Each lab has a "Self Directed" exercise where students get to apply skills they have learned to create their own solution in Azure. The module Review section also encourages students to think of ways to use their new skills in specific scenarios. A pre-assessment and post assessment exam are included to assess student progress.

Regular Updates: Azure is a fast changing environment with regular resource and feature updates. 55224A labs will be updated regularly to keep up with those changes. Past students will also have access to these updates so their courseware will keep pace with changes in the platform.

Appendices: Appendix A includes answers to end-of-module review questions. Appendices B & C are PowerShell & Python tutorials that include lab exercises. This optional material will help students learn to use PowerShell and Python on different platforms. Students are provided with tools that allow them to perform the labs on their own computers after the class.

Course Lab Files: The tools used to create the classroom setup are included with the courseware so the environment can be duplicated by students after the class. The Azure subscription given to students will allow them to do this without additional cost.