hkpc Academy 生產力學院

Enterprise-Scale Analytics Solutions Using Microsoft Azure and Microsoft Synapse

FUTURESKILLS
CONNECTION TECHNOLOGY 裝備未來

Course Fee: HK$5,760   (May apply up to HK$3,840 subsidy)
*Maximum saving, with the final grant subjects to approval.

NITTP Applying

Azure Synapse is a service that brings together data integration, enterprise data warehousing, and big data analytics. It gives users the freedom to query data at scale.

Azure Synapse brings data governance together with a unified experience to explore, prepare, transform, manage, and serve data for immediate BI and machine learning needs.

Programme code	10014364
Duration and time	2 days 9:30-17:00
Venue	1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon Tong
Language	Cantonese, supplemented with English terminology
Course fee	HK$5,760* (May apply up to HK$3,840* subsidy)
Prerequisite	• Basic computer software skill • Basic internet skill
Bring Your Own Device (BYOD)	Windows 7/10 / Mac OS 10.x or above with minimum 2 GB RAM and 20 GB hard disk

NITTP Training Grant Application
Companies should submit their NITTP training grant application for their employee(s) via https://nittp.vtc.edu.hk/rttp/login at least two weeks before course commencement. Alternatively, application form could be submitted by email to nittp@vtc.edu.hk along with supporting documents.

Course Description

This 2-day course will introduce the use of Azure Synapse. Participants will build streamlined data pipeline development, orchestrate data integration, and simplify security and management. It also provides participants to implement their company data governance portal for business expansions.

Who Should Attend?

It is highly relevant to participants who involve in the requirements input, design, development, delivery and ultimate use of the digital initiatives including data consumers, digital initiatives decision makers, business analysts, and operational line managers.

This course is an approved New Industrialisation and Technology Training Programme" (NITTP), which offers up to 2/3 course fee reimbursement upon successful applications. For details: https://nittp.vtc.edu.hk/.

Course Outline

Day 1: Model, query, and explore data in Azure Synapse
- Introduction to Azure Synapse Analytics
- Explore Azure database and analytics services
- Use Azure Synapse serverless SQL pool to query files in a data lake
- Integrate data with Azure Data Factory or Azure Synapse Pipeline
- Survey the Components of Azure Synapse Analytics
- Hands-on exercises

Day 2: Data governance and data engineering on Azure Synapse
- Realize Integrated Analytical Solutions with Azure Synapse Analytics
- Explore Azure Synapse Studio
- Introduction to Azure Data Lake Storage Gen2
- Analyze data with Apache Spark in Azure Synapse Analytics
- Analyze data in a relational data warehouse

Trainer Information

Dr Patrick TSOI, he is a trainer with over 25 years hands-on data science, Big Data and programming experiences. He is a Doctor of Education graduate from the Hong Kong Baptist University, Master in IT Education graduate from the University of Hong Kong and B.Eng in System Engineering and Engineering Management from the Chinese University of Hong Kong.

Enrolment Methods

1. Scan the QR code to complete the enrolment and payment online OR
2. Mail the crossed cheque with payee name "Hong Kong Productivity Council" (in HK dollar) to HKPC Academy, Hong Kong Productivity Council, 3/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (attention to Mr Desmond CHAN). Please indicate the course name and course code on the envelope.

Enrolment Link

Supporting Organisations (In arbitrary order)

HONG KONG COMPUTER SOCIETY 香港電腦學會

WTIA 香港無線科技商會

Hong Kong Software Industry Association 香港軟件行業協會

Inquiry
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