

Certified Hadoop Administrator

Preparation course for CCA Administrator exam

Course Fee: HK\$15,000 (May apply up to HK\$10,000* subsidy)

*Maximum saving, with the final grant subjects to approval.



Take your knowledge to the next level with Hadoop Administrator. This five-day administrator training course provides participants with a comprehensive understanding of all the steps necessary to operate and maintain a Hadoop cluster using latest cloud technologies.

From installation and configuration through practicing and tuning, this training course is the best preparation for the real-world challenges faced by Hadoop administrators.

Programme code	10010783
Date and time	2 – 30 Mar 2021 Every Tue (9:30am-5pm, Total: 30 training hrs)
Venue	Rm 112, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon Tong or Online Broadcast subject to the situation of COVID-19
Medium	Cantonese, supplemented with English terminology
Course fee	HK\$15,000 (May apply up to HK\$10,000* subsidy)
Prerequisite	Basic knowledge on Linux

Trainers Profile

Patrick TSOI, with over 20 years hands-on data science, Big Data and programming experiences. He is a Doctor of Education candidate from the Hong Kong Baptist University, Master in IT Education from the University of Hong Kong and B.Eng in System Engineering and Engineering Management from the Chinese University of Hong Kong.

Simon MOK, an IT professional trainer for over 10 years covering IoT, data analytics, AI and machine learning and programming. He has rich experience in leading development team to deliver software solutions for clients. He is a M.Phil from the University of Hong Kong and MSc in Computer Science from the Chinese University of Hong Kong.

This course is an approved Reindustrialisation and Technology Training Programme (RTTP), which offers up to 2/3 course fee reimbursement upon successful applications. For details: <https://rttp.vtc.edu.hk>.

Course Outline

Through instructor-led discussion and interactive, hands-on exercises, participants will navigate the Hadoop ecosystem, learning topics highlight below:

Day 1

- Hadoop, Hive and HBase overview
- Server Architecture of Hive, HBase and Thrift Servers
- Setting up Hadoop, Hive and HBase in a single/distributed cluster environment

Day 2

- MapReduce monitoring
- Resource control/monitoring for Hadoop Hive, HBase, Kafka, HDFS, Spark
- Security Management

Day 3

- HDFS administration and rebalancing
- Datanode and HDFS API management
- Resource Management of clusters

Day 4

- Use Hive tables
- Hive database and tables manipulations (e.g. create, query, join, aggregation)
- HBase monitoring and administration
- Best Practices in Hive and Hbase

Day 5

- Connect Relational Database Management System (RDBMS) to Hadoop
- Job Scheduling & Monitoring
- Executive Extraction, Transformation and Loading (ETL) on Hadoop
- Use data visualization tool to connect Hadoop / Hive
- Build dashboards with data visualization tool
- Deployment & Change Management

This course is a preparatory course for Cloudera Hadoop Administrator Certification. Upon completion of the course, attendees are encouraged to continue their own study and register for the Cloudera certifications.

Award of Certificate of Attendance

Full Attendance will be awarded a Certificate of Attendance issued by the Hong Kong Productivity Council.

Enrolment Methods

1. Scan the QR code to complete the enrolment and payment online.
2. Mail the crossed cheque with payee name "Hong Kong Productivity Council" (in HK dollar) and the application form should be mailed to HKPC Academy, Hong Kong Productivity Council, 3/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (attention to Ms Cherry LAM). Please indicate the course name and course code on the envelope.



[Enrolment Link](#)

RTTP Training Grant Application

Companies should submit their RTTP training grant application for their employee(s) via <https://rttp.vtc.edu.hk/rttp/login> at least two weeks before course commencement. Alternatively, [application form](#) could be submitted by email to rttp@vtc.edu.hk along with supporting documents.

Supporting Organisations

