Cloud Administrator Level 1

Beyond the Cloud is designed to empower you for success in the rapidly evolving IT landscape. This is a 10-week comprehensive program that provides essential technical and soft skills training for in-demand digital infrastructure roles. Please note *Transition to your Cloud Career* and *Agile Industry Mindset (AIM)* workshops run concurrently with Technical and Soft Skills courses during the 10-week period. Please contact your administrator for the schedule. Only Newcomers to Canada are invited to AIM (a newcomer is someone who has immigrated to Canada within the last 5 years).

	Course Name	Lessons	Learning Platform	Learning Objectives	Level and Time Commitment
Course 1	**AWS Cloud Practitioner Essentials**	• AWS cloud concepts	AWS Skill Builder	You will learn about AWS Cloud concepts, AWS services, security, architecture, pricing, and support to build your AWS Cloud knowledge. This course also helps you prepare for the AWS Certified Cloud Practitioner exam.	• Beginner level • 7 hours (approximately)
Course 2	**AWS Cloud Technical Essentials**	• AWS cloud concepts	AWS Skill Builder	The course covers the fundamental AWS concepts related to compute, database, storage, networking, monitoring, and security. You will start working in AWS through hands-on course experiences covering the concepts necessary to increase your understanding of AWS services, so that you can make informed decisions about solutions that meet business requirements. Throughout the course, you will gain information on how to build, compare, and apply highly available, fault tolerant, scalable, and cost-effective cloud solutions.	• Beginner level • 24 hours (approximately)
Course 3	**Amazon Aurora PostgreSQL and Amazon RDS PostgreSQL**	• PostgreSQL • Amazon Aurora • Amazon RDS	AWS Skill Builder	Set up, configure, and use PostgreSQL in Aurora and Amazon RDS. Move data to a PostgreSQL instance. Manage a PostgreSQL instance. Understand how to handle security, monitoring, and backups of a PostgreSQL instance. Scale and migrate a PostgreSQL instance.	• Beginner level • 7 hours (approximately)
Course 4	**Cloud Computing Security**	• Azure VM • Windows VM • Linux VM	Coursera	By the end of this course, you should be able to create your own web cluster with mysql databases, setup your users with credentials to manage your AWS resources/virtual machines either through their management control interface or using AWS CLI API using scripts. You will also learn the best practice in cloud security and debugging service interaction issues may arise in the cloud systems.	• Beginner level • 12 hours (approximately)
Course 5	**Microsoft Azure Fundamentals**	• Azure Fundamentals	Microsoft Learn	This course will provide foundational level knowledge on cloud concepts; core Azure services; and Azure management and governance features and tools. This course will also help prepare someone for the AZ-900 exam.	• Intermediate level • 7 hours (approximately)
				TOTAL HOURS	57 hours (approximately)