Database Administrator Level 2

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	**Introduction to Structured Query Language (SQL)**	• SQL	Coursera	Learn about the basic syntax of the SQL language, as well as database design with multiple tables, foreign keys, and the JOIN operation. Learn to model many-to-many relationships like those needed to represent users, roles, and courses.	• Intermediate level • 15 hours (approximately)
Course 3	**Planning and Designing Databases on AWS**	• AWS Databases	AWS Skill Builder	Summarize the AWS Well-Architected Framework for designing database solutions. Choose an appropriate purpose-built database service for a given workload. Design a relational database solution to solve a business problem. Design a NoSQL database solution to solve a business problem. Analyze data from multiple databases to solve a business problem. Discuss the security considerations for your database solution.	• Intermediate level • 24 hours (approximately)
Course 4	**Administering MS Azure SQL Solutions**	• SQL Server database infrastructure	Microsoft Learn	This course provides students with the knowledge and skills to administer a SQL Server database infrastructure for cloud, on-premises and hybrid relational databases and who work with the Microsoft PaaS relational database offerings. Additionally, it will be of use to individuals who develop applications that deliver content from SQL-based relational databases. This course will help prepare you for the DP-300 exam.	• Intermediate level • 17 hours (approximately)
				TOTAL HOURS	63 hours (approximately)

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