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Course Code: W7068GW

Course Title: IBM Watson Discovery for Developers

### **Description:**

In this 6 hour web-based training (WBT), you will learn how Watson Discovery lets business analysts and developers rapidly build cognitive, cloud-based exploration applications that unlock actionable insights hidden in unstructured data — including your own proprietary data, as well as public and third-party data.

### **Objectives:**

- Discovery overview: Architecture of Watson Discovery
- Discovery overview: Administering security in Watson Discovery
- Discovery overview: Creating a collection
- Configuring a Discovery collection
- Ingesting data into a Discovery collection
- Querying a Discovery collection
- Querying a Discovery collection: Relevancy training
- Querying a Discovery collection: Passage retrieval

### **Prerequisites:**

- Basic knowledge of cloud platforms, for example IBM Cloud
- Basic understanding of enterprise search and natural language

### **Duration:**

6.4 Hrs

### **Topics:**

Discovery overview: Architecture of Watson Discovery

- Describe Discovery architecture in a cloud environment
- Describe content creation within Discovery
- Describe Discovery data collection runtime flows
- Describe Discovery user runtime flows

Discovery overview: Administering security in Watson Discovery

- List types of security used in Watson Discovery on Cloud
- Describe how Discovery service credentials are used
- Describe a common use case for securing private data within Discovery

Discovery overview: Creating a collection

- Instantiate Watson Discovery
- Connect to a Discovery instance
- Create a collection

Configuring a Discovery collection

- Configure enrichments for a particular business case
- Use tooling and APIs to configure a Discovery collection
- Use Smart Document Understanding to identify fields from documents

Ingesting data into a Discovery collection

- Describe use cases for using APIs, tooling and data sources to ingest data
- Describe the steps for ingesting documents into Discovery
- Perform ingestion operations such as add, update and delete documents
- Describe ingestion limitations

Querying a Discovery collection

- Explain simple, combined and aggregate queries
- Explain search and structure parameters, operators and aggregation types for querying a collection
- Use the Discovery query language for constructing queries

Querying a Discovery collection: Relevancy training

- Explain the purpose of relevancy training
- Detail the process of using relevancy training for improving results

Querying a Discovery collection: Passage retrieval

- Explain the purpose of passage retrieval
- Describe passage retrieval settings and usage
- Use passage retrieval to return pointed results

### **Audience:**

Analysts, Developers, and others who need to monitor machine learning jobs