



## BigInsights Analytics for Programmers Information

**Length:** 16.0 Hours  
**Ref:** DW653G  
**Delivery method:** Classroom  
**Price:** AUD

### Overview

This course is designed to aid programmers who are working with IBM's InfoSphere BigInsights. Writing programs that extract data from unstructured text can be a daunting task. You will learn how to create annotators through the use of IBM's Annotation Query Language (AQL). Analyzing data using Apache's Hadoop normally requires that MapReduce programs be written. You will learn how to use Jaql to create high level programs that are decomposed into Hadoop MapReduce programs. People familiar with the Hadoop technology are aware of other open source products that are used in this environment. This course will give you a foundation to program using the Apache Pig language. There is also overview of ZooKeeper, HBase, and Hive. One of the capabilities of the BigInsights Web Console is the ability to simplify the invocation of Hadoop applications. This course shows how to publish a text analytics application from the BigInsights development environment to a BigInsights server.

### Public

This intermediate course is for anyone with a need to learn the IBM Annotation Query Language (AQL), Jaql or Pig.

### Prerequisites

You should have attended:

- *IBM DB2 OLAP Server Administration and Performance Tuning (DW610)* or equivalent knowledge
- A programming background would be advantageous especially knowledge of SQL

### Objective

Prior to enrolling, IBM Employees must follow their Division/Department processes to obtain approval to attend this public training class. Failure to follow Division/Department approval processes may result in the IBM Employee being personally responsible for the class charges.

GBS practitioners that use the EViTA system for requesting external training should use that same process for this course. Go to the EViTA site to start this process:  
<http://w3.ibm.com/services/gbs/evita/BCSVTEnrl.nsf>

## Topics

- Introduction to Programming for BigInsights
- Annotation Query Language
- AQL - Validating Results
- Jaql
- Introduction to Apache Pig
- Publish a Text Analytics Application to the Web Console

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