IBM ANALYTICS

TRAINING CATALOGUE

Your analytics training journey begins here.

2020 »

01 IBM TRAINING COURSES

02 IBM TRAINING PATHS

TORONTO | CALGARY | MONTREAL

No matter where you are in your analytics journey, we'll guide you the rest of the way.

IBM PRODUCT INFORMATION 03

newcomp analytics

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newcomp analytics

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WE ARE

NEWCOMP ANALYTICS

WE LIVE AND BREATHE DATA ANALYTICS

No matter where you are in your analytics journey, we can help your organization thrive in today's complex environment. Our team of data scientists, engineers and developers follow proven methodologies and best practices to take a project from idea to delivery. We have a simple formula to help you win: define the goal, find the gaps, then match you with the right people, processes, and tools to get there - coaching you the entire way.

newcomp analytics

The right software.
The right training.
The right people.
The best analytics solutions.

TRUSTED ANALYTICS ADVISORS

www.newcomp.com

OUR DNA

No matter the scope of the project, our trusted analytics advisors have proven methodologies and tools to transform organizational requirements into successful analytics solutions. Let's make business intelligence, performance management, information management, predictive analytics and open source analytics a reality for your organization.

Business Intelligence

Performance Management

Information Management

Predictive Analytics

Open Source Analytics

OUR TRAINING INITIATIVE

We believe that the most successful implementations are the result of educated and empowered users. Our educators are cross-industry analytics experts who bring real-life practical expertise to the classroom.

Our dedicated training team will work directly with you to understand the unique needs of your organization and recommend the best training paths and formats to meet your needs. If we cannot find the best course to meet your training needs, we will create one.

This catalogue presents an overview of our most frequently requested training courses; it is not an exhaustive list of our offerings. If you are looking for a course, product, or location that is not listed, please feel free to reach out to us directly at training@newcomp.com.

TRAINING FORMATS

IN-CLASS

Our in-class facilities are located across North America. Reach out to us to find a classroom near you.

INSTRUCTOR-LED-ONLINE (ILO)

Complete your course from anywhere. All you need is access to a computer, high-speed Internet, a phone and a headset.

SELF-PACED VIRTUAL COURSES

Complete the course at your own pace over a 30-day time frame. (Please note that there is no live interaction with an instructor in this format.)

OUR IBM TRAINING PORTFOLIO

IBM Platinum Business Partner

Business Intelligence - IBM Cognos Analytics (v11), IBM Cognos Business Intelligence (v10.2.2) (page 8)

Performance Management - IBM Planning Analytics (TM1), IBM Cognos Controller (page 20)

Information Management - IBM InfoSphere QualityStage, IBM InfoSphere DataStage, IBM Information Governance Catalog, IBM Master Data Management, IBM DB2 (page 29)

Predictive Analytics - IBM SPSS Modeler, IBM SPSS Statistics (page 45)

Open Source & Big Data Analytics - IBM DB2 Big SQL, IBM Watson Studio, IBM Watson Explorer (page 52)

PRIVATE TRAINING OPTIONS

ON-SITE

We can deliver training at your location. This format enables you to interact with your team during the course.

CUSTOMIZED

Courses can be customized based on user roles and training needs within the organization. Learn new skills with your organization's data.

EDUCATIONAL MENTORING

Ad-hoc mentoring provides you with the opportunity to ask questions specific to your data and learn best practices from our experts.

IBM BUSINESS INTELLIGENCE

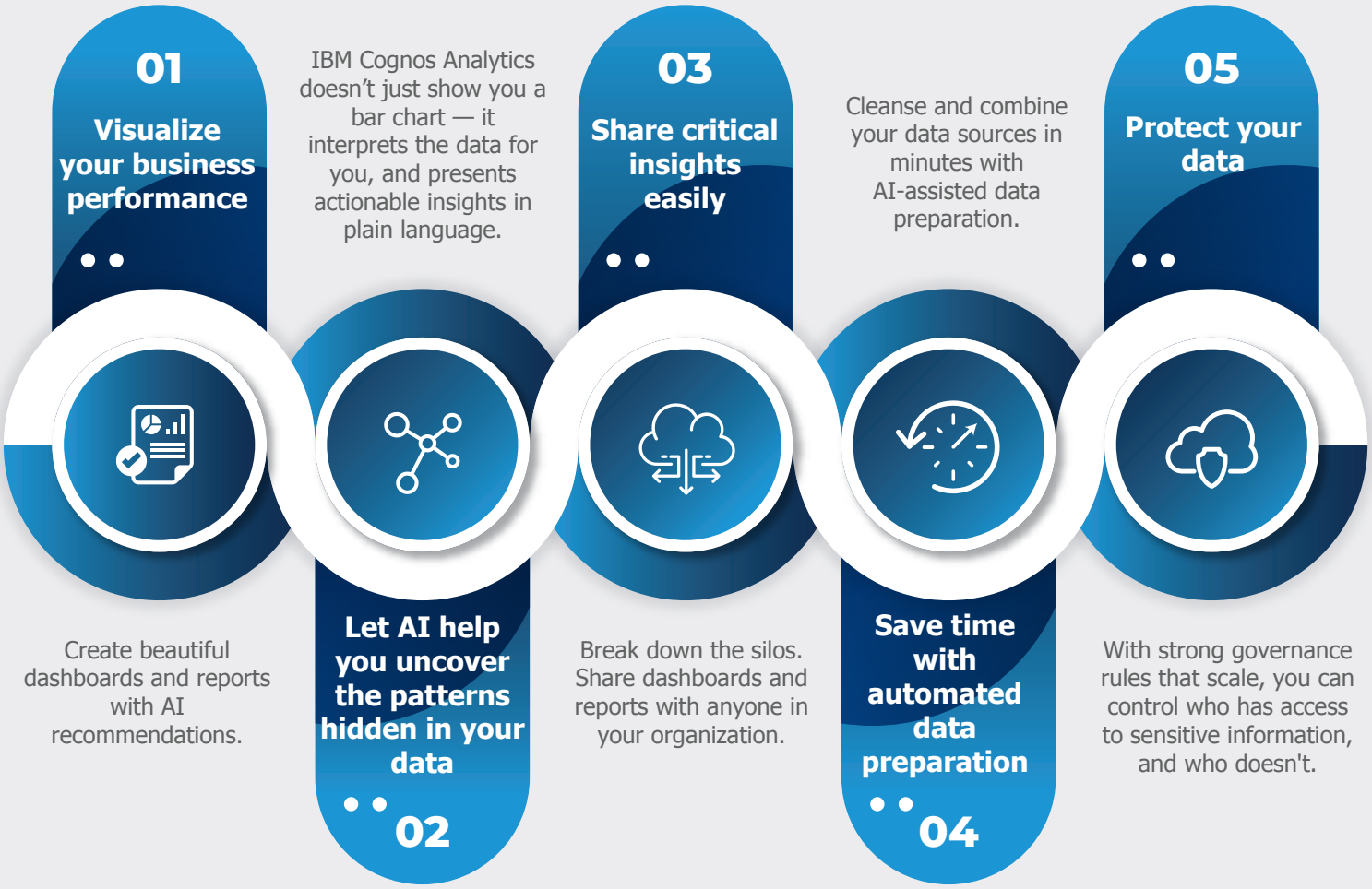
AVAILABLE TRAINING FORMATS:

- In-Class
- Instructor-Led Online
- Self-Paced Virtual Course
- Customized
- Educational Mentoring

IBM COGNOS ANALYTICS

OVERVIEW & KEY FEATURES

IBM Cognos Analytics is an AI-fueled business intelligence platform that supports the entire analytics cycle, from discovery to operationalization. Visualize, analyze and share actionable insights about your data with anyone in your organization.

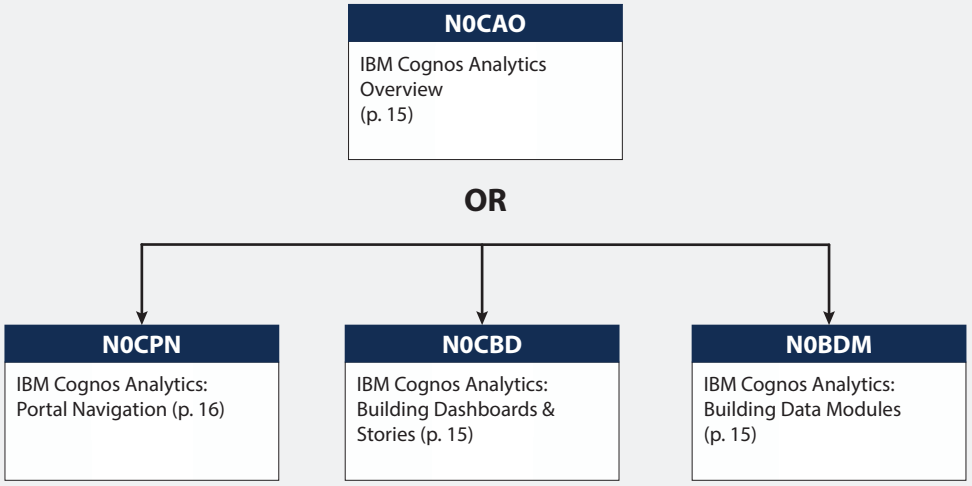


IBM COGNOS ANALYTICS UPGRADE ROADMAP

UPGRADING FROM VERSION 10.2.2 TO VERSION 11.X

Development and administration have not changed between v10.2.2 and v11. Individuals who have already received training on the developer tools (Framework Manager, Cube Designer, Transformer) and administration in v10.2.2 do not need to retake those courses. It is recommended that developers and administrators take the N0CPN course to learn about the new user interface, and the N0CBD and N0BDM courses to understand how authors and business analysts are developing Dashboards/Stories and integrating additional data sources and to be in a position to support them.

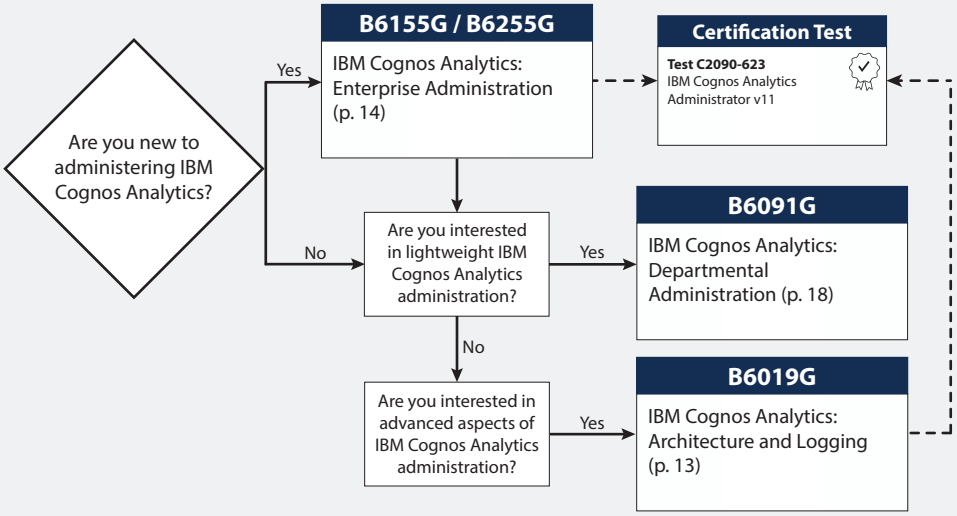
For those who have used end-user reporting tools (Query Studio, Analysis Studio, Cognos Workspace Advanced, Cognos Report Studio), it is recommended to enroll in all three modules to become familiar with the new interface, the new process for integrating additional data sources including external data, as well as the IBM Cognos Analytics (v11) approach to dashboards, as developing dashboards is becoming an important role for the professional author and business analyst. Please see the "Author" training path (page 11) for additional recommended courses.



Note: If you are looking for v.10.2.2 courses, please refer to page 19 for the full list of available v10.2.2 courses.

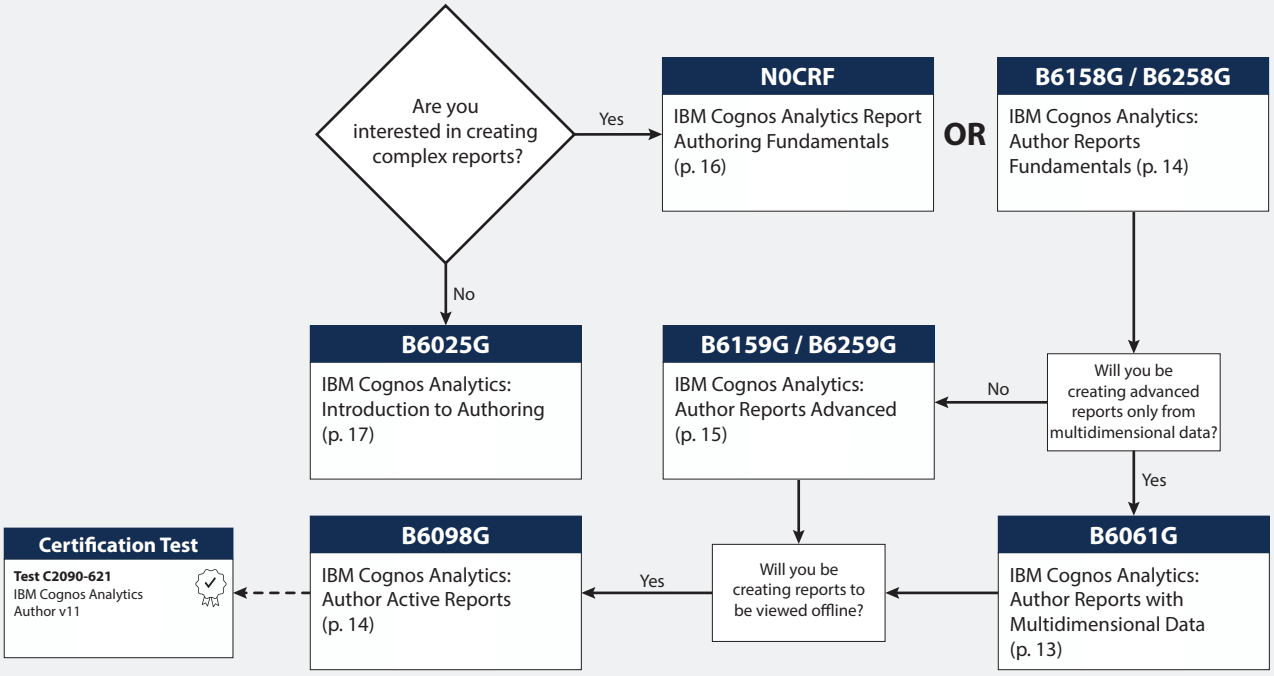
ADMINISTRATOR

Administer the IBM Cognos Analytics Platform: As an administrator, you are responsible for overseeing the technical aspects of your IBM Cognos Analytics enterprise solution. Use this journey to learn how to install and configure the IBM Cognos Analytics environment, as well as, perform various server troubleshooting tasks and log analysis.



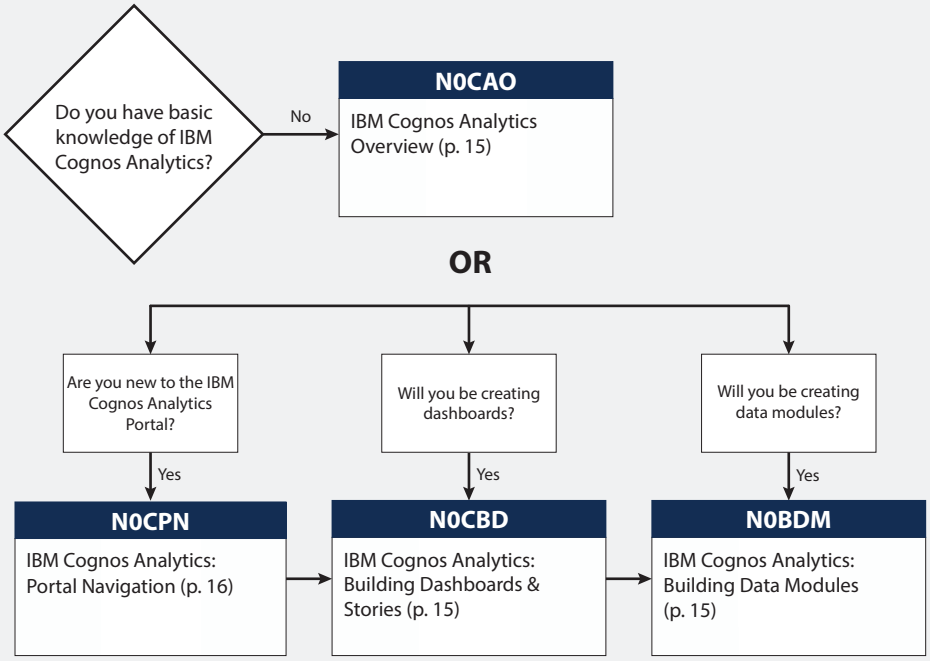
AUTHOR

Build Professional Reports & Analyze Data: As a professional author, you are responsible for creating reports for a variety of audiences. Use this journey to develop your skills to build simple and complex reports.



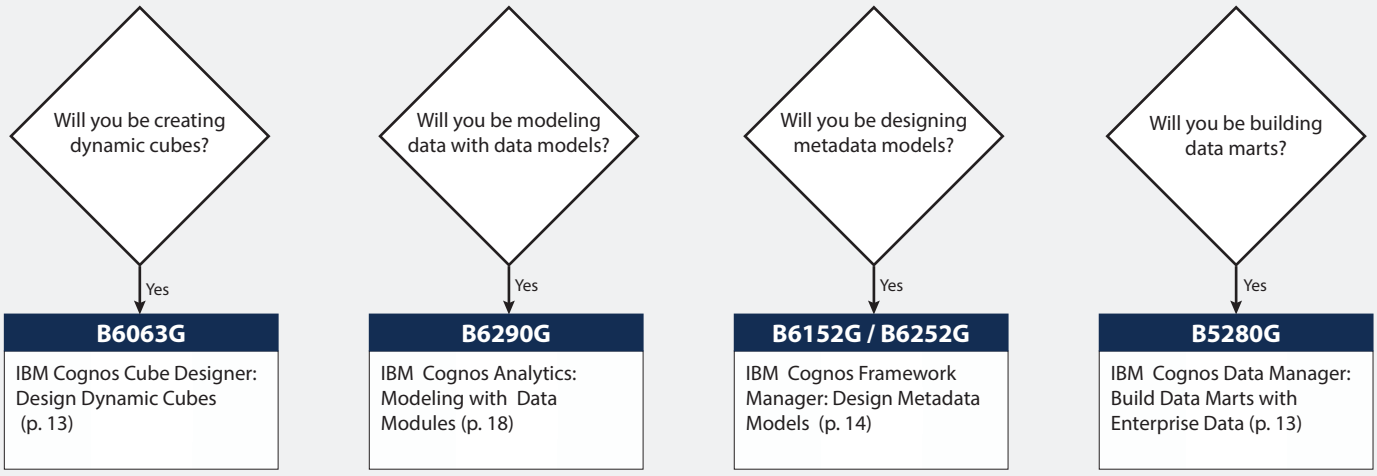
CONSUMER

Consume Content in IBM Cognos Analytics: As an IBM Cognos Analytics consumer, you are familiar with accessing content, using reports, creating dashboards, and personalizing the appearance of the IBM Cognos Analytics portal.



DEVELOPER

Build Data Models, Cubes & Data Marts: As a developer, you are responsible for designing models and cubes that enable your organization to build reports and analyze their data.



B5280G

IBM Cognos Data Manager: Build Data Marts with Enterprise Data (5 days)

This course teaches students how to move, merge, consolidate, and transform data from a range of data sources to build and maintain subject-area data marts. In the process, students will create a catalog and add connections to data sources and targets. They will also deliver fact and dimension data to a data mart through the use of builds and the dimensional framework. In addition, students will learn how to automate common functionality and handle complex data issues, such as unbalanced hierarchical structures.

Audience:

- Developers

Prerequisites:

- Knowledge of database and dimensional analysis concepts
- Working Knowledge of SQL

B6019G

IBM Cognos Analytics: Architecture and Logging (2 days)

This course teaches administrators how to identify components and sub-components of the IBM Cognos Analytics architecture, and how to use tools and techniques to provide a foundation to troubleshoot issues. Students will also identify IBM Cognos Analytics components, examine its relationship with Java, and explore logging to assist with troubleshooting issues.

Audience:

- Administrators

Prerequisites:

- B6155G / B6255G - IBM Cognos Analytics: Enterprise Administration course (page 14) or equivalent experience administering the IBM Cognos Analytics environment

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B6061G

AVAILABLE IN FRENCH

IBM Cognos Analytics: Author Reports with Multidimensional Data (2 days)

This advanced course will teach professional report authors how to build on their expertise with IBM Cognos Analytics by applying dimensional techniques to reports. Students will author reports that navigate and manipulate dimensional data structures using the specific dimensional features available in IBM Cognos Analytics.

Audience:

- Authors looking to use dimensional data sources to build reports

Prerequisites:

- B6158G / B6258G - IBM Cognos Analytics: Author Reports Fundamentals (page 14) or equivalent experience
- Knowledge of dimensional data

B6063G

IBM Cognos Cube Designer: Design Dynamic Cubes (2 days)

This course covers advanced metadata modeling for predictable reporting and analysis of results using IBM Cognos Cube Designer. Students will learn the full range of the metadata modeling process, including creating a project, publishing a dynamic cube, and enabling end-users to easily author reports and analyze data.

Audience:

- Data modelers

Prerequisites:

- Knowledge of dimensional modeling and design
- Experience using the IBM Cognos Analytics portal and administration

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B6098G

AVAILABLE IN FRENCH

IBM Cognos Analytics - Author Active Reports (1 day)

This course builds on students' IBM Cognos Analytics report authoring experience. Students will learn how to create interactive reports using IBM Cognos Active Report controls, which can then be distributed and consumed by users in a disconnected environment, such as on mobile devices.

Audience:

- Authors looking to create interactive and disconnected reports

Prerequisites:

- Basic understanding of IBM Cognos Analytics – Reporting
- B6158G / B6258G - IBM Cognos Analytics: Author Reports Fundamentals (page 14) or equivalent experience

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B6152G (v11.0.x) / B6252G (v11.1.x)

IBM Cognos Framework Manager: Design Metadata Models (4 days)

This offering provides participants with introductory to advanced knowledge of metadata modeling concepts, including how to model metadata for predictable reporting and results using IBM Cognos Framework Manager. Students will learn the full scope of the metadata modeling process, from initial project creation to publishing of metadata to the web, and enabling end users to easily author reports and analyze data.

Audience:

- Data modelers

Prerequisites:

- Knowledge of common industry-standard data structures and design
- B6158G / B6258G - IBM Cognos Analytics: Author Reports Fundamentals (page 14) *(recommended)*

B6155G (v11.0.x) / B6255G (v11.1.x)

IBM Cognos Analytics: Enterprise Administration (2 days)

This offering covers the fundamental concepts of installing and configuring IBM Cognos Analytics, and administering servers and content, in a distributed environment. In the course, participants will identify requirements for the installation and configuration of a distributed IBM Cognos Analytics software environment, implement security in the environment, and manage the server components. Students will also monitor and schedule tasks, create data sources, and manage and deploy content in the portal and in IBM Cognos Administration.

Audience:

- Administrators

Prerequisites:

- Knowledge of web application server architectures & security systems administration

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B6158G (v11.0.x) / B6258G (v11.1. x)

AVAILABLE IN FRENCH

IBM Cognos Analytics: Author Reports Fundamentals (3 days)

This course provides business and professional authors with an introduction to report building techniques using relational data models. Techniques to enhance, customize, and manage professional reports will be explored. Activities will illustrate and reinforce key concepts during this learning activity.

Audience:

- Authors

Prerequisites:

- Familiarity with Windows OS and a web browser

B6159G (v11.0.x) / B6259G (v11.1. x)

AVAILABLE IN FRENCH

IBM Cognos Analytics - Author Reports Advanced (2 days)

This course teaches professional report authors about advanced report building techniques using relational data models, dimensional data, and ways of enhancing, customizing, managing, and distributing professional reports. The course builds on topics presented in the Fundamentals course. Activities will illustrate and reinforce key concepts during this learning activity.

Audience:

- Authors looking to use relational data models to build reports

Prerequisites:

- B6158G / B6258G - IBM Cognos Analytics: Author Reports Fundamentals (page 14) or equivalent experience

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N0BDM

IBM Cognos Analytics: Building Data Modules (1/4 day)

This course teaches students how to create data modules using lightweight data modeling techniques in IBM Cognos Analytics. Students will learn how to identify and select data sources for the data module such as data servers and uploaded personal files. Other enhancements such as adding calculations, custom data groups, cleansing and formatting columns, relative dates, data-level security, filters, navigation groups, custom grouping and specifying column dependencies will also be covered.
Note: This course is currently on v11.1.x. We can deliver this course on previous versions of IBM Cognos Analytics as well.

Audience:

- Authors

Prerequisites:

- B6158G / B6258G - IBM Cognos Analytics: Author Reports Fundamentals (page 14) or N0CRF - IBM Cognos Analytics Report Author Fundamentals (page 16) or equivalent experience *(recommended)*

N0CAO

IBM Cognos Analytics Overview (1 day)

This course teaches students the new features in the end-user interface of IBM Cognos Analytics. Students will learn how to navigate the IBM Cognos Analytics portal, build interactive dashboards using the Cognos Analytics dashboarding component, and create data modules using lightweight data modeling techniques. This course is broken down into smaller detailed modules that students can choose to take separately or combined in this course. The modules include: N0CPN – IBM Cognos Analytics: Portal Navigation, N0CBD – IBM Cognos Analytics: Building Dashboards & Stories and N0BDM – IBM Cognos Analytics: Building Data Modules.
Note: This course is currently on v11.1.x. We can deliver this course on previous versions of IBM Cognos Analytics as well.

Audience:

- Consumers, business authors and users, professional authors, analysts, developers, administrators, modelers, and project managers

Prerequisites:

- None

N0CBD

IBM Cognos Analytics: Building Dashboards & Stories (1/2 day)

This course teaches students how to build interactive dashboards using the IBM Cognos Analytics dashboarding component. Students will learn how to interact with existing dashboards as well as how to implement different techniques to create new dashboards by utilizing different widget visualizations, using both uploaded files and packages as data sources. Students will also learn common formatting techniques and features such as images, shapes and text, maps, filtering techniques, report drill-through, navigation paths, simple calculations, and conditional formatting.
Note: This course is currently on v11.1.x. We can deliver this course on previous versions of IBM Cognos Analytics as well.

Audience:

- Consumers, analysts, and business users

Prerequisites:

- None

N0CPN

IBM Cognos Analytics: Portal Navigation (1/4 day)

This course teaches students how to navigate the IBM Cognos Analytics portal. Students will learn how to access content including navigating the Team Content and My Content folders, using the Smart Search functionality, running reports and dashboards, reviewing object properties, interacting with report versions, setting personal preferences, subscribing to reports, and using notifications.
Note: This course is currently on v11.1.x. We can deliver this course on previous versions of IBM Cognos Analytics as well.

Audience:

- Consumers, business authors, professional authors, developers, administrators, modelers, and project managers

Prerequisites:

- None

N0CRF

IBM Cognos Analytics Report Authoring Fundamentals (2 days)

This course introduces students to the fundamentals of reporting in IBM Cognos Analytics. Students will be introduced to Lists, Crosstabs and Charts as well as interactive features like prompts and report drill-through. During the course, students will also learn how to add advanced formatting to the objects in their reports, apply conditional styles, and integrate external data.
Note: This course is currently on v11.1.x. We can deliver this course on previous versions of IBM Cognos Analytics as well.

Audience:

- Authors

Prerequisites:

- None

N0CRDC

IBM Cognos Analytics: Author Reports with Dynamic Cubes (3 days)

This course provides an introduction to reporting in IBM Cognos Analytics using dynamic cubes. Students will be introduced to lists, crosstabs and charts as well as interactive features like prompts and report drill-through. During the course, students will learn how to add advanced formatting to the objects in their reports, apply conditional styles, and integrate external data. Students will also learn how to author reports that navigate and manipulate dimensional data structures using the specific dimensional functions and features available in IBM Cognos Analytics.
Note: This course is currently on v11.1.x. We can deliver this course on previous versions of IBM Cognos Analytics as well.

Audience:

- Authors looking to use dynamic cubes to build reports

Prerequisites:

- None

N0CRPA

IBM Cognos Analytics: Author Reports with IBM Planning Analytics (TM1) Cubes (3 days)

This course provides an introduction to the fundamental and intermediate skills of reporting in IBM Cognos Analytics using IBM Planning Analytics (TM1) cubes. Students will be introduced to lists, crosstabs and charts as well as interactive features like prompts and report drill-through. During the course, students will learn how to add advanced formatting to the objects in their reports, apply conditional styles, and integrate external data.
Note: This course is currently on v11.1.x. We can deliver this course on previous versions of IBM Cognos Analytics as well.

Audience:

- Authors looking to use IBM Planning Analytics (TM1) cubes to build reports

Prerequisites:

- None

SELF-PACED VIRTUAL COURSES

B6025G

AVAILABLE IN FRENCH

IBM Cognos Analytics: Introduction to Authoring

This course covers ways to create, enhance, customize, and manage reports and charts using IBM Cognos Analytics - Reporting. Students will view demonstrations and work through scenarios that illustrate key introductory concepts while exploring the basics of the Reporting tool.

Audience:
- Authors

Prerequisites:
- Knowledge of your business requirements
- Experience using Windows OS, and a web browser

B6088G

AVAILABLE IN FRENCH

IBM Cognos Analytics for Consumers

This course teaches consumers how to access content, use reports, create dashboards, and personalize the appearance of IBM Cognos Analytics portal.

Audience:
- Consumers and authors

Prerequisites:
- None

B6089G

AVAILABLE IN FRENCH

IBM Cognos Analytics - Create Dashboards

This course covers the basics of dashboard creation using IBM Cognos Analytics, including an introduction to its product layout and functionality, while gaining skills in creating interactive and informative dashboards. Students will identify data sources, and customize content and presentation.

Audience:
- Analysts and business users

Prerequisites:
- Experience using Microsoft Excel

B6090G

AVAILABLE IN FRENCH

IBM Cognos Analytics - Create Data Modules

Students will be introduced to the complete metadata modeling process, from creating data sources and data modules, to sharing metadata with other users, facilitating reports, and analysis. Students will learn how to use data servers and uploaded files as data sources, and how to add intent to their data model. Students will also learn how to add tables to their models, set and modify object properties, create calculations, identify joins, as well as how to clean, format, and group their data for reporting purposes.

Audience:
- Authors

Prerequisites:
- Report authoring experience *(recommended)*

B6091G

IBM Cognos Analytics - Departmental Administration

This course covers how to use the administration capabilities available in the IBM Cognos Analytics portal. Students will learn how to manage the security environment, perform deployment of application content, create and manage data server connections, and view and manage runtime activities.

Audience:

- Administrators

Prerequisites:

- Knowledge of web application server architectures and security systems administration
- Familiarity with Windows OS, and a web browser

B6290G

IBM Cognos Analytics: Modeling with Data Modules

This course teaches data modelers how to model data using data modules in IBM Cognos Analytics. The students will learn how to create data modules from different sources, such as uploaded files. They will also identify how to customize their data modules by adding joins, calculations, and filters. In addition, students will examine how to group their data (for example, by using navigation paths), how to share their data modules with others, and how to make use of some advanced modeling techniques, such as relative date analysis.

Audience:

- Modelers

Prerequisites:

- Knowledge of your business requirements
- Previous experience building reports with IBM Cognos Analytics

IBM BUSINESS INTELLIGENCE 10.2.2 TRAINING NOTICE

IBM's Business Intelligence v10.2.2 courses are now retired by IBM and are no longer available. Newcomp Analytics can offer v10.2.2 training with our custom modules – please see below for the available courses. If you do not see a course that you are looking for, please reach out to us and we can put together a customized training plan for your team. We recommend that our clients transition to IBM Cognos Analytics v11 to leverage the new features.

N0ASF
Cognos Analysis Studio (1 day)

N0CCF
Cognos Connection (1/2 day)

N0CWF
Cognos Workspace (1/2 day)

N0CWF-A
Cognos Workspace Advanced - Relational and Dimensional Data with a DMR Datasource (2 days)

N0CWF-AM
Cognos Workspace Advanced with Cognos PowerCubes (2 days)

N0CWF-ATM
Cognos Workspace Advanced - Multidimensional Data with TM1 Cubes (2 days)

N0QSF
Cognos Query Studio (1 day)

N0RSF
Cognos Report Studio Fundamentals (2 days)

IBM PERFORMANCE MANAGEMENT

AVAILABLE TRAINING FORMATS:

- In-Class
- Instructor-Led Online
- Self-Paced Virtual Course
- Customized
- Educational Mentoring

IBM PLANNING ANALYTICS

OVERVIEW & KEY FEATURES

IBM Planning Analytics, powered by IBM TM1, automates your planning, budgeting, forecasting and analysis processes. It offers the full functionality of spreadsheets while eliminating manual tasks to drive efficiency. The solution accesses all your data, and it integrates financial results and analysis with operational plans for faster execution.

01

Gain forward-looking insights

Uncover real-time insights across your business dimensions using a powerful, in-memory OLAP engine.

02

Plan in an interactive workspace

Link operational tactics to financial plans, synthesize information and see clear visualizations in a dynamic, self-service workspace.

03

Perform what-if analysis

Explore scenarios or test business assumptions, and immediately see the financial impact of alternative courses of action.

04

Leverage your MS Excel skills

Take advantage of a familiar Microsoft Excel interface, where needed. The solution offers full Excel capabilities including graphics and built-in functions.

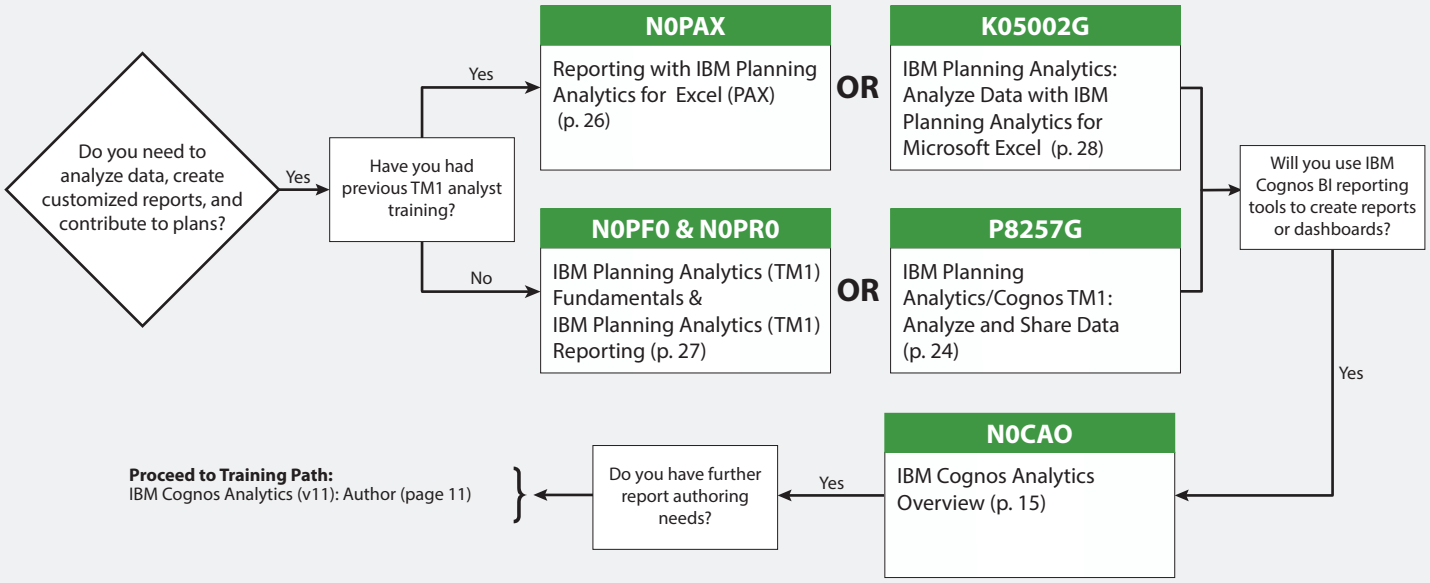
05

Choose a deployment to fit your business

Benefit from cloud, on-premises or mixed deployment environments. The flexible, scalable platform can be used by individuals, teams, workgroups or the entire enterprise.

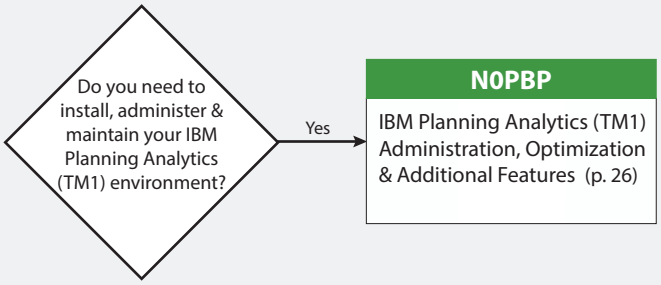
ANALYST

Build Custom Reports & Analyze Data: As an analyst, you are responsible for creating customized reports and templates, along with analyzing data and contributing to plans. Use this journey to learn the skills necessary to author reports and analyze data.



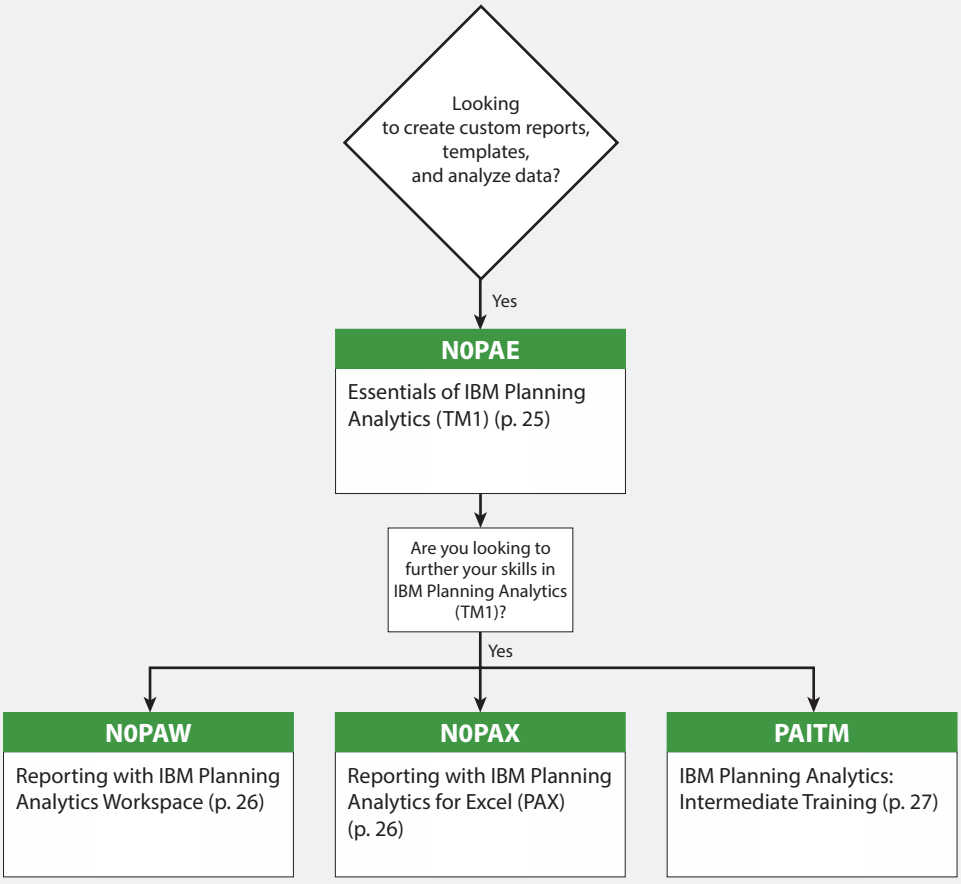
ADMINISTRATOR

Administer the IBM Planning Analytics (TM1) Platform: As an administrator, you are responsible for overseeing the technical aspects of your enterprise software. Use this journey to learn how to install and configure the IBM Planning Analytics (TM1) environment, as well as perform various server troubleshooting tasks and log analysis.



MODELER

Develop Models & Analyze Data: As a modeler, you are responsible for designing and developing models, along with creating custom reports, templates and analyzing data. Use this journey to learn different modeling solutions in IBM Planning Analytics (TM1) platform.



P8221G

IBM Cognos Controller: Develop Applications (5 days)

This course teaches students how to set up a IBM Cognos Controller application and effectively use IBM Cognos Controller in their organization's consolidation process. Students will design and generate financial reports using IBM Cognos Controller. Students will also learn how to work with currency translation, allocations, intercompany transactions, investments in subsidiaries, advanced formula calculations, and user-defined business rules, as well as define configuration settings and user access to the application.

Audience:

- Application developers

Prerequisites:

- Basic knowledge of group accounting

P8222G

IBM Cognos Controller: Author Reports (1 day)

This course teaches students the basics of group accounting and Microsoft Excel and how to design and generate financial reports using IBM Cognos Controller. Students will learn how to develop custom reports using the Report Generator utility and the Excel Link. In addition, students will learn how to run multiple reports at the same time with report books.

Audience:

- Authors

Prerequisites:

- Basic knowledge of group accounting
- Basic knowledge of Microsoft Excel

P8255G

IBM Cognos TM1: Administer the Technical Environment (2 days)

This advanced course teaches administrators how to install and administer the IBM Cognos TM1 environment, customize its architecture to fit into various infrastructures, and secure TM1 applications and monitor system performance.

Audience:

- Administrators

Prerequisites:

- Basic knowledge of OLAP, IBM Planning Analytics (TM1), and networking
- P8253G - IBM Planning Analytics (TM1): Interact with Data (page 28) or equivalent experience *(recommended)*

P8257G

IBM Planning Analytics/Cognos TM1: Analyze and Share Data (3 days)

This course teaches analysts how to use IBM Cognos TM1 to analyze data to uncover trends and exceptions, create and customize reports and templates, and contribute to plans. Students will learn how to create analyses, input data into Microsoft Excel and the web, create custom data views, and build reports and forms in Microsoft Excel that communicate with IBM Cognos TM1. *Note: This training was developed using IBM Cognos TM1 v10.2.2, but is applicable to both IBM Cognos TM1 v10.2.2 and IBM Planning Analytics.*

Audience:

- Analysts

Prerequisites:

- Familiarity with Windows OS, Microsoft Excel, and a web browser

P8352G

IBM Planning Analytics: Design and Develop Models in Performance Modeler (5 days)

This course will teach students how to build a model using the Performance Modeler tool. Through a series of lectures and hands-on exercises, students will learn how to create and customize dimensions and cubes, import and link data, and build and maintain applications.

Audience:

- Modelers looking to use Performance Modeler to build models in IBM Planning Analytics (TM1)

Prerequisites:

- Basic knowledge of Online Analytical Processing (OLAP), IBM Planning Analytics (TM1), and Microsoft Excel (functions, macros)
- P8253G - IBM Cognos TM1: Interact with Data (page 28) *(recommended)*

P8357G

IBM Planning Analytics: Analyze Data and Create Reports (2 days)

This course is designed to teach analysts how to use IBM Planning Analytics to analyze data to discover trends and exceptions, create and customize reports and templates, and contribute data to plans. Through a series of lectures and hands-on activities, you will learn how use IBM Planning Analytics Workspace and IBM Planning Analytics for Microsoft Excel to create analyses, enter data, create custom views and dashboards, and build formatted reports and forms.

Audience:

- Analysts

Prerequisites:

- Knowledge of your business requirements
- Basic knowledge of Microsoft Excel

P8361G

IBM Planning Analytics: Design and Develop Models in Architect (5 days)

This course teaches students how to build a complete model in IBM Planning Analytics using the Architect tool. This includes how to set up and verify dimensions, cubes, and views, manually enter data into these structures, and define the data that users can see.

Audience:

- Modelers looking to use Architect to build models in IBM Planning Analytics (TM1)

Prerequisites:

- Basic knowledge of Online Analytical Processing (OLAP) and IBM Planning Analytics (TM1)
- Significant experience with Microsoft Excel (functions, macros)

N0PAE

Essentials of IBM Planning Analytics (TM1) (5 days)

This 5-day course cover topics ranging from beginner fundamentals to more advanced techniques and administration in IBM Planning Analytics (TM1). This course is broken down into smaller detailed modules (N0PF0, N0PR0, N0PCR, N0TI0, N0PBP (pages 26-27)) that students can choose to take separately or combined in the 5-day *N0PAE - Essentials of IBM Planning Analytics (TM1)* course.

Audience:

- New developers of IBM Planning Analytics (TM1)

Prerequisites:

- None

N0PAW

Reporting with IBM Planning Analytics Workspace (1 day)

This course introduces Planning Analytics Workspace: IBM Planning Analytics' latest web-based end user tool. Students will learn how to build dashboards that combine traditional TM1 Excel slices, cube views, individual cube cells, dimensions, and visualizations as widgets in an interactive canvas. This course will also cover searching for content, navigating through the workspace using buttons, interacting with cube views (drilling, pivoting, filtering, data input) and applying formatting with palettes and templates.

Audience:

- Users responsible for ad-hoc analysis or developing dashboards for others using the IBM Planning Analytics environment

Prerequisites:

- N0PF0 - IBM Planning Analytics (TM1) Fundamentals (page 27) or familiarity with basic IBM Planning Analytics (TM1) functionality

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N0PAX

Reporting with IBM Planning Analytics for Excel (PAX) (1 day)

This course introduces PAX: IBM Planning Analytics' (TM1) latest Excel-based tool and the successor to the TM1 Perspectives add-in. Students will learn how to extract and input data both to and from TM1 cubes in Excel through multi-sheet, multi-query PAX spreadsheets. This one-day module will cover the creation of Exploration Views, Quick Reports, Dynamic Reports, Custom Reports and Snapshots.

Audience:

- Users interested in leveraging TM1 data in the Microsoft Excel environment and/or current TM1 Perspectives users

Prerequisites:

- N0PF0 - IBM Planning Analytics (TM1) Fundamentals (page 27) or equivalent experience
- Familiarity with basic Microsoft Excel functionality

N0PBP

IBM Planning Analytics (TM1) Administration, Optimization & Additional Features (1 day)

This course covers the administration side of IBM Planning Analytics (TM1) along with design principles & configuration for efficient models. Students will learn how to access TM1's logs and configuration files, monitoring, as well as ending threads on the TM1 server. This course will also introduce TM1 object security, and outline best practices for designing and developing a TM1 model.

Audience:

- Developers and administrators

Prerequisites:

- N0PF0 – IBM Planning Analytics (TM1) Fundamentals (page 27) or equivalent experience

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N0PCR

IBM Planning Analytics (TM1) Cube Rules (1 day)

This course introduces students to the fundamentals of writing IBM Planning Analytics (TM1) cube rules, including a run-through of both intra and inter-cube rules along with C-level and String rules. This course will also introduce Skipcheck, Feeders, and TM1 Picklists.

Audience:

- Developers and power users

Prerequisites:

- N0PF0 – IBM Planning Analytics (TM1) Fundamentals (page 27) or equivalent experience

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N0PF0

IBM Planning Analytics (TM1) Fundamentals (1 day)

This course introduces students to objects, concepts and techniques essential to building and maintaining IBM Planning Analytics (TM1) models. Students will build multiple dimensions and cubes both manually and programmatically (sourcing from a variety of data), and practice creating cube views and subsets. This course will also introduce cube rules, Slices, and Active Forms.

Audience:

- New users of IBM Planning Analytics (TM1)

Prerequisites:

- None

N0PR0

IBM Planning Analytics (TM1) Reporting (1 days)

This course introduces a number of IBM Planning Analytics' (TM1) client interfaces: Architect, Perspectives, and TM1 Web. Students will extract data from TM1 cubes using a variety of tools and build input templates and reports using the most common techniques: Snapshot, Slices, and Active Forms.

Audience:

- Developers and power users who are responsible for creating reports and building input templates

Prerequisites:

- N0PF0 - IBM Planning Analytics (TM1) Fundamentals (page 27) or equivalent experience

N0TI0

IBM Planning Analytics (TM1) Turbo Integrator (1 day)

This course introduces IBM Planning Analytics' (TM1) ETL tool: Turbo Integrator. Students will practice performing common maintenance and import/export tasks in the TM1 environment. Students will build a planning model from scratch using a variety of data sources, and create processes to perform common maintenance tasks such as creating subsets and updating reporting cubes.

Audience:

- Users building dimensions and loading cubes from external sources or involved in requirements gathering/design for an IBM Planning Analytics (TM1) project

Prerequisites:

- N0PF0 – IBM Planning Analytics (TM1) Fundamentals (page 27) or equivalent experience

PAITM

IBM Planning Analytics (TM1): Intermediate Training (5 days)

This course is designed for developers looking to learn how to create dimensions and cubes; import, export, and manipulate data using Turbo Integrator; create rules and feeders; set up security and workflow, and create professional reports that are linked to Planning Analytics servers.

Audience:

- Developers who would like to gain a deeper understanding of IBM Planning Analytics (TM1)

Prerequisites:

- N0PAE - Essentials of IBM Planning Analytics (TM1) (page 25) or equivalent IBM Planning Analytics (TM1) training and experience

SELF-PACED VIRTUAL COURSES

K05001G

Analyze Data with IBM Planning Analytics Workspace

This course teaches students how to use IBM Planning Analytics Workspace to analyze data, contribute to plans, and build compelling reports to deliver greater insight into your business.

Audience:
- Analysts and contributors

Prerequisites:
- Knowledge of IBM Planning Analytics (TM1) fundamental terms and concepts, including cubes, views, dimensions, and sets

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K05002G

IBM Planning Analytics: Analyze Data with IBM Planning Analytics for Microsoft Excel

This course teaches analysts and contributors how to use IBM Planning Analytics for Microsoft Excel to build customized, multiple-sheet, multiple-query reports against multiple databases.

Audience:
- Analysts and contributors

Prerequisites:
- Knowledge of IBM Planning Analytics (TM1) fundamental concepts

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P8253G

IBM Cognos TM1: Interact with Data

This course teaches contributors how to connect with and access IBM Cognos TM1, build views, browse data, and navigate through TM1's user interface. Also included is an overview of how to use the front-end tools and Excel with multidimensional cubes, as well as an introduction to IBM Cognos Insight. *Note: This training was developed using IBM Cognos TM1 v10.2.2, but is applicable to both IBM Cognos TM1 v10.2.2 and IBM Planning Analytics.*

Audience:
- Contributors

Prerequisites:
- Familiarity with Windows OS, Microsoft Excel, and a web browser

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P8254G

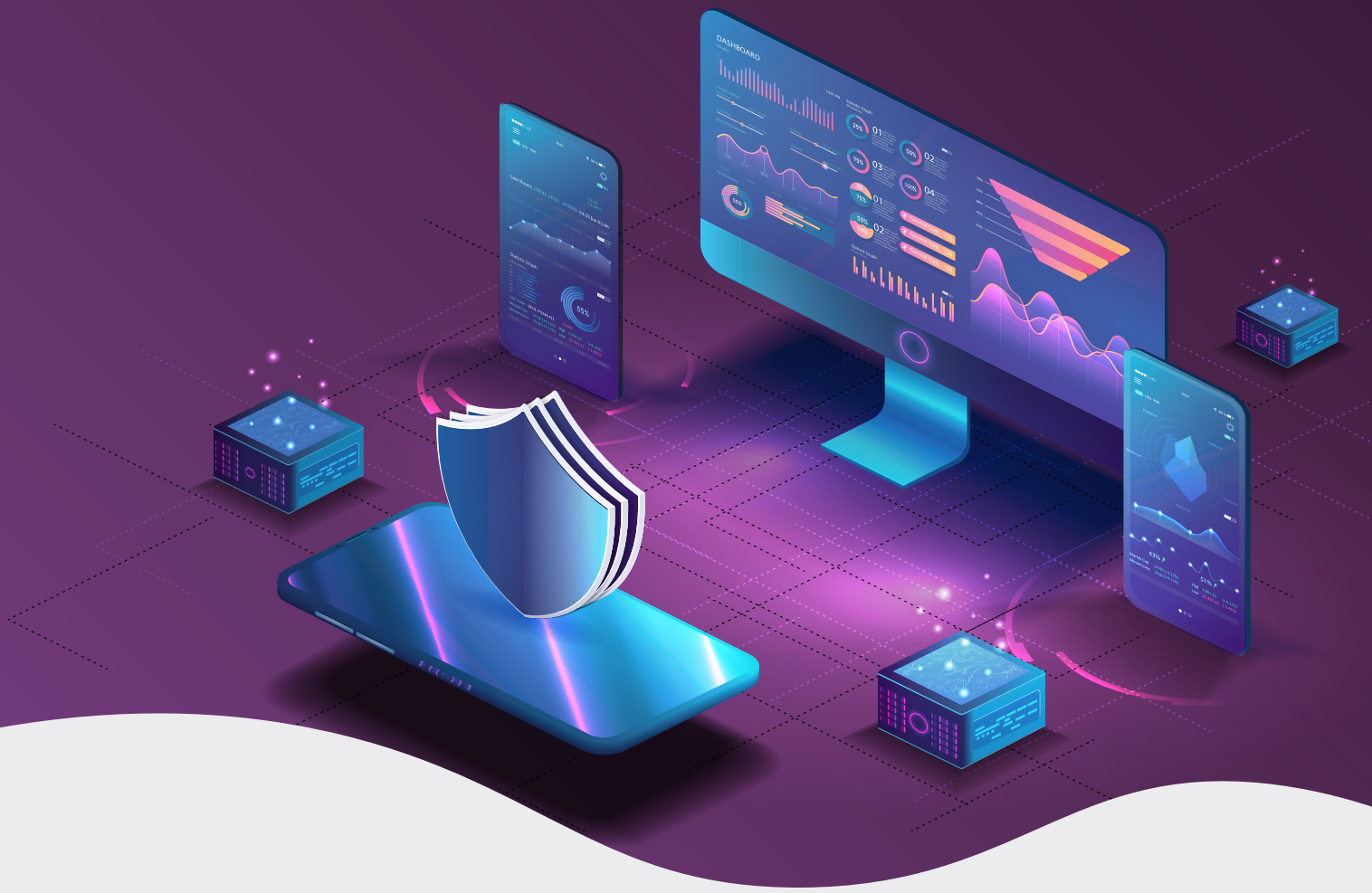
IBM Cognos TM1: Work with IBM Cognos Analysis for Microsoft Excel

This course is designed to show existing TM1 end-users how to work with TM1 data in Microsoft Excel using IBM Cognos Analysis for Microsoft Excel.

Audience:
- Existing IBM Cognos TM1 end-users

Prerequisites:
- Familiarity with Windows OS, Microsoft Excel, and a web browser

IBM INFORMATION MANAGEMENT



AVAILABLE TRAINING FORMATS:

- In-Class
- Instructor-Led Online
- Self-Paced Virtual Course
- Customized
- Educational Mentoring

IBM INFORMATION MANAGEMENT

OVERVIEW & KEY FEATURES

IBM's Information Management solution is powered by InfoSphere Information Server - a highly scalable and powerful data integration platform which includes a family of products that enables users to understand, cleanse, monitor, transform and deliver data.

01 IBM InfoSphere Master Data Management

MDM manages all aspects of your critical enterprise data, no matter what system or model, and delivers it to your application users in a single, trusted view.

02 IBM InfoSphere Information Server

Better understand your data and cleanse, monitor, transform and deliver it. Deliver trusted information to your key business initiatives.

03 IBM Information Governance Catalog

IGC is a web-based tool that allows you to explore, understand and analyze information. You can create, manage and share a common business language, document and enact policies and rules, and track data lineage.

04 IBM InfoSphere DataStage

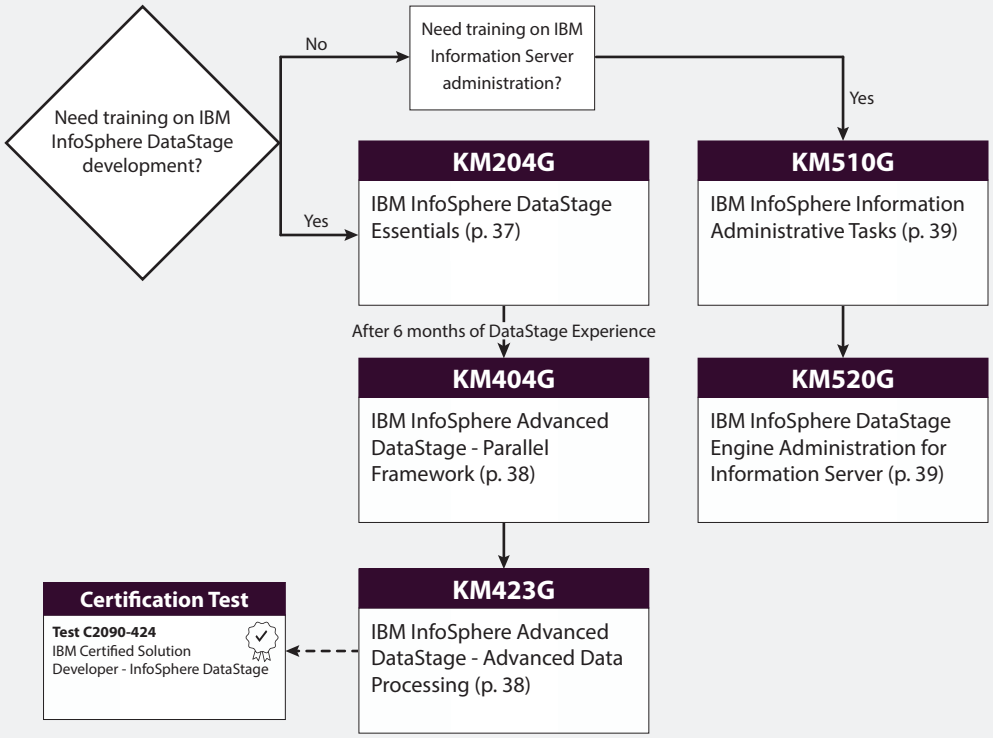
Extract, transfer and load (ETL) data across multiple systems, with support for extended metadata management and big data enterprise connectivity.

05 IBM InfoSphere QualityStage

investigate, cleanse and manage your data, helping you maintain consistent views of key entities including customers, vendors, locations and products.

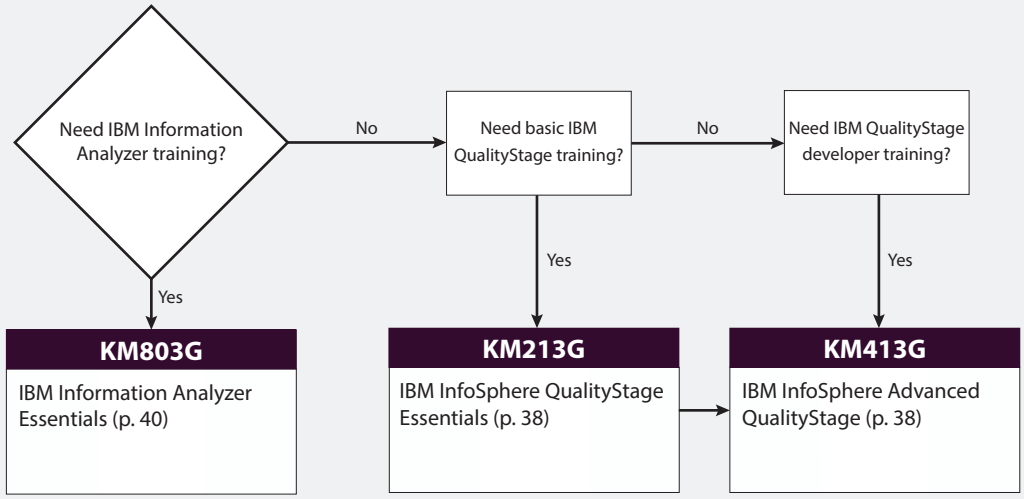
DATA INTEGRATION ARCHITECT

Integrate Data: As a data integration architect, you are responsible for data modeling and application of best practices when designing data management solutions. Use this journey to build your skills on how to transform structured and unstructured data and deliver it to any system in a traditional scalable data warehouse or a big data platform.



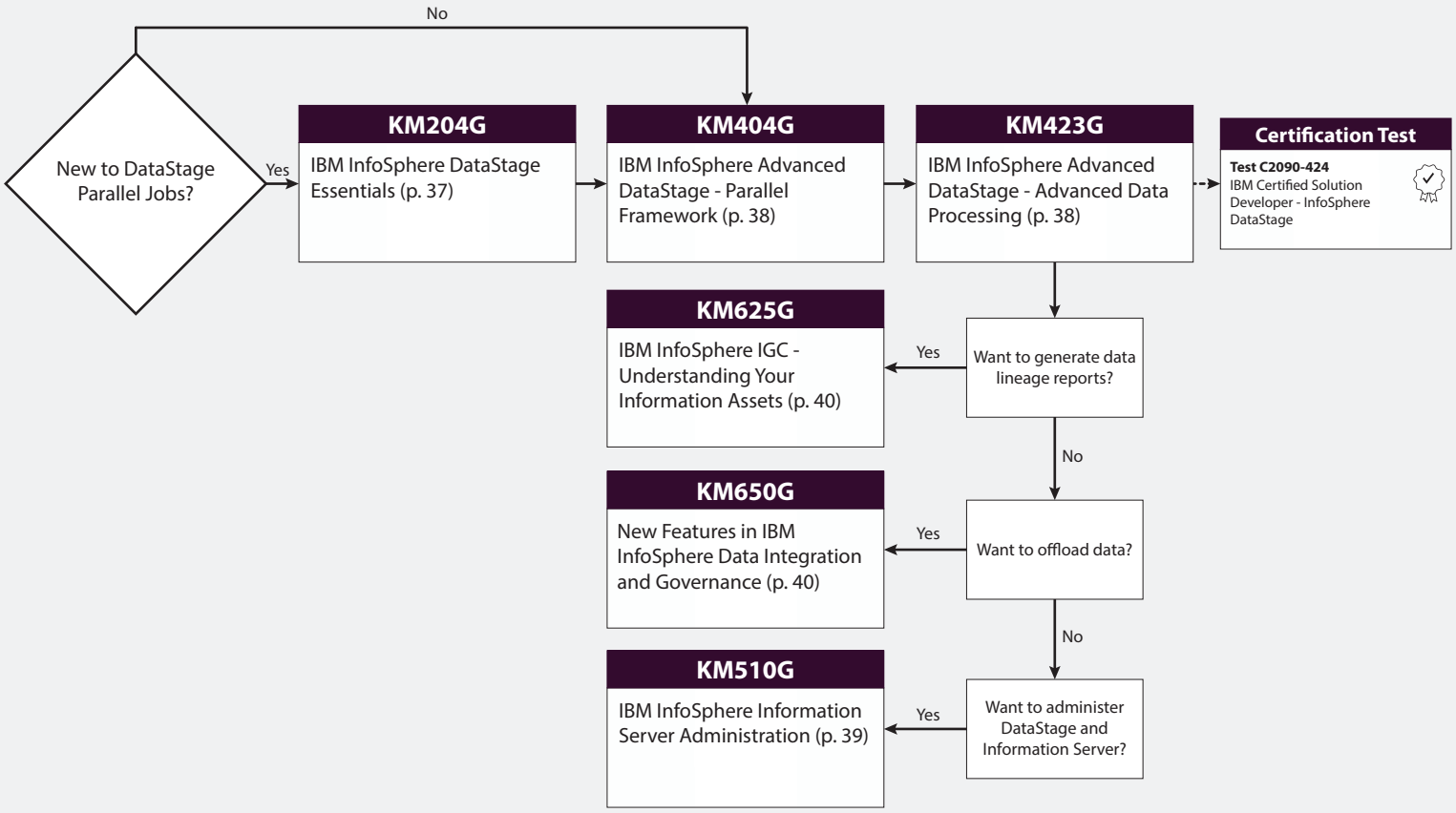
DATA QUALITY ARCHITECT

Measure, Analyze, and Improve Data Quality: As a data quality architect, you are responsible for establishing quality metrics, along with designing data quality rules. Use this journey to build your skills on controlling and managing data quality within the IBM Infosphere platform.



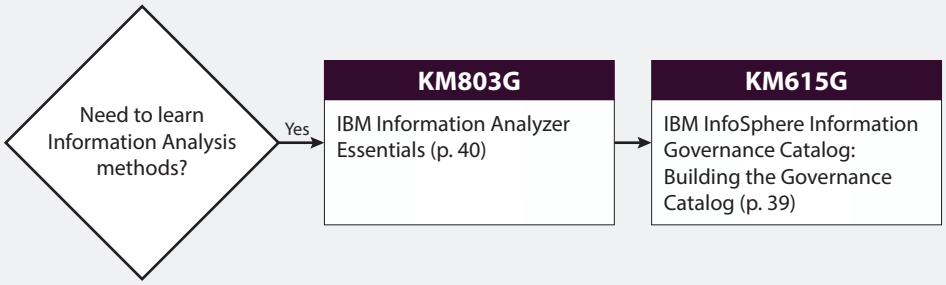
DATA INTEGRATION DEVELOPER

Deliver Data Integrations: As a data integration developer, you are responsible for building data, database monitoring, data conversion, modeling and analysis. Use this journey to build your skills on how to transform structured and unstructured data and deliver it to any system on a scalable data warehouse or scalable big data platform.



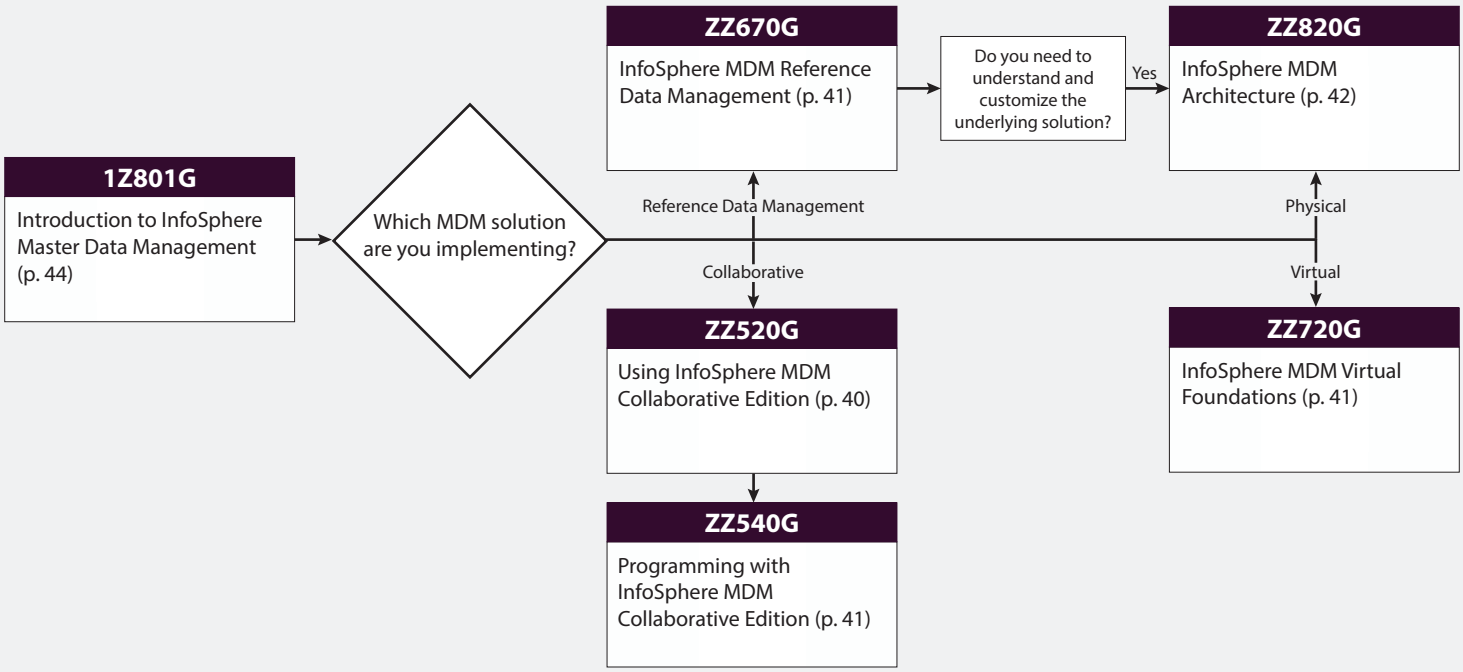
BUSINESS ANALYST/DATA STEWARD

Govern Data: As an analyst/data steward, you are responsible for providing business users with high quality data. Use this journey to learn data quality tools to help provide business users with easily accessible and consistent business glossary data.



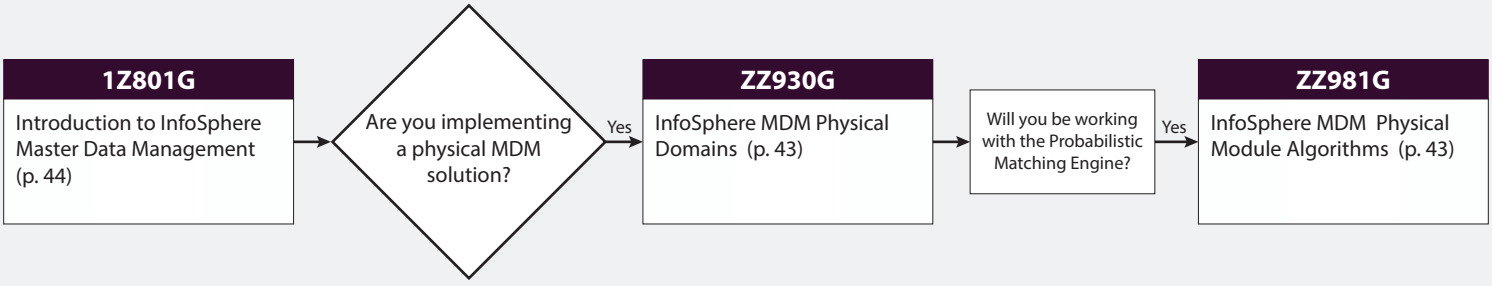
IBM INFOSPHERE MDM ARCHITECT

Implement Solutions: As an IBM InfoSphere Master Data Management (MDM) architect, you are responsible for implementing MDM within your enterprise. Use this journey to build your skills on the various components of MDM Architecture and learn how to set up the infrastructure to fit your organization's business requirements.



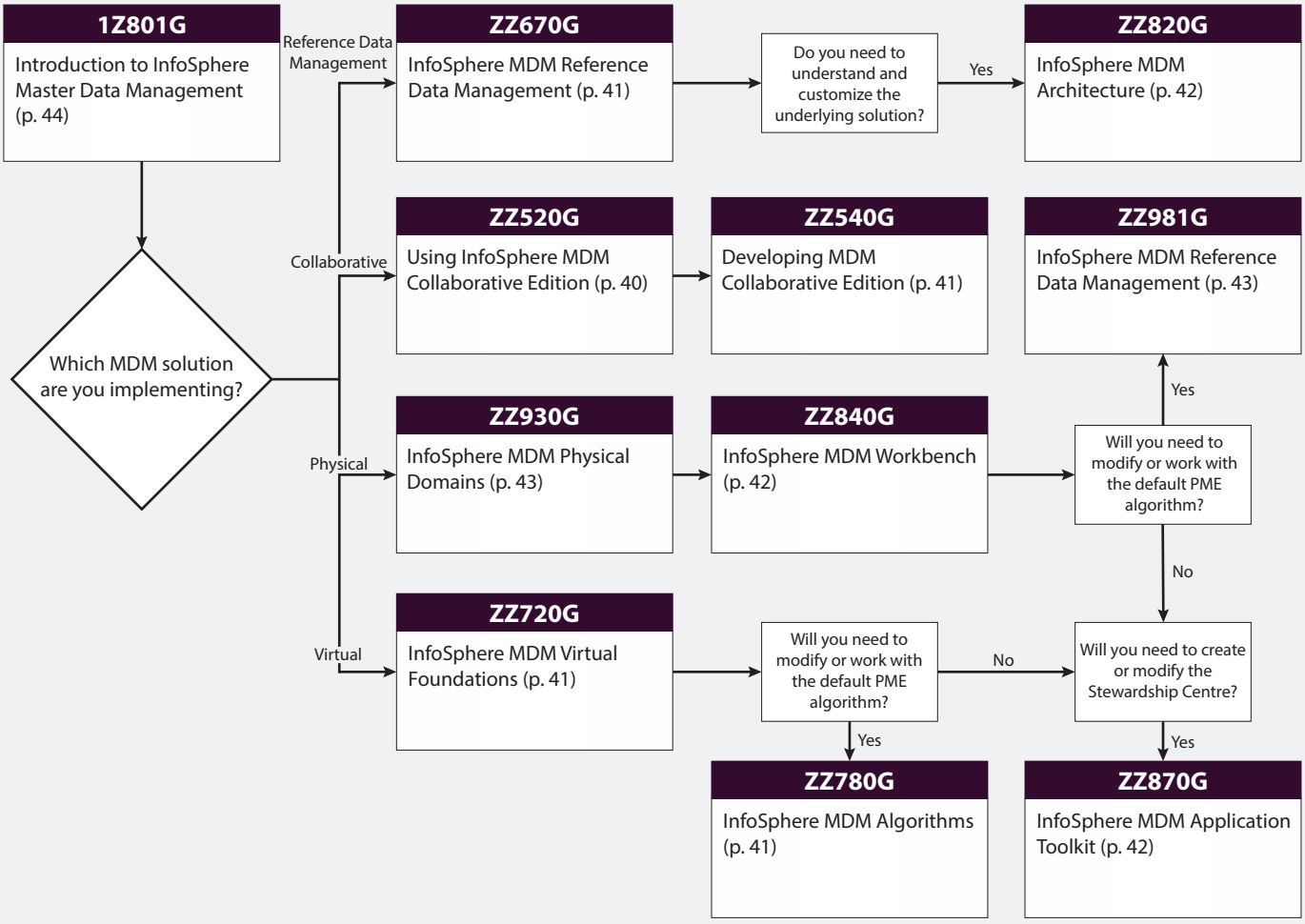
IBM INFOSPHERE MDM BUSINESS SPECIALIST

Implement Customization: As an IBM InfoSphere MDM business specialist implementing physical solutions, you are responsible for working with and customizing algorithm configurations deployed to the IBM InfoSphere MDM Probabilistic Matching Engine. Use this journey to build your skills in performing matching, linking, and searching fields. If you are implementing virtual, collaborative, or reference data management solutions, please refer to the "Data Steward" training path (page 35).



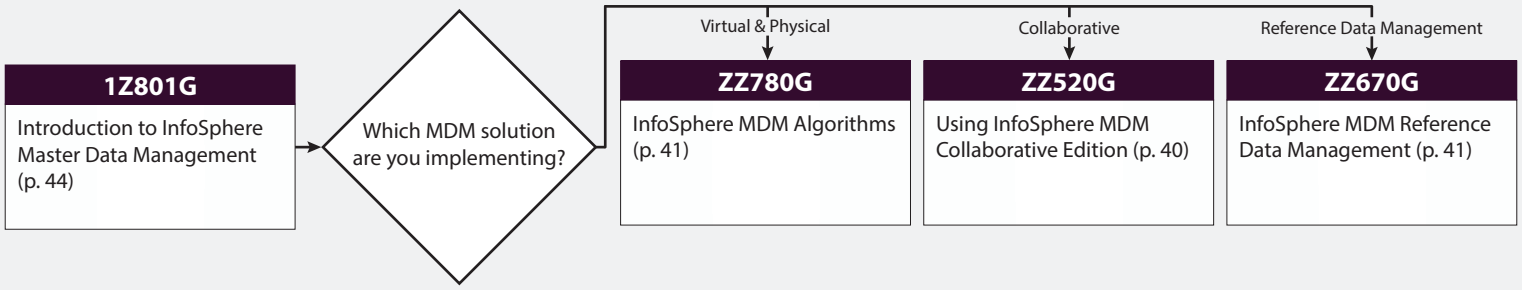
IBM INFOSPHERE MDM TECHNICAL SPECIALIST

As an IBM InfoSphere MDM technical specialist, you are responsible for all aspects of development within the IBM InfoSphere MDM family of products. Use this journey to get in-depth training for all components of this comprehensive IBM MDM product line.



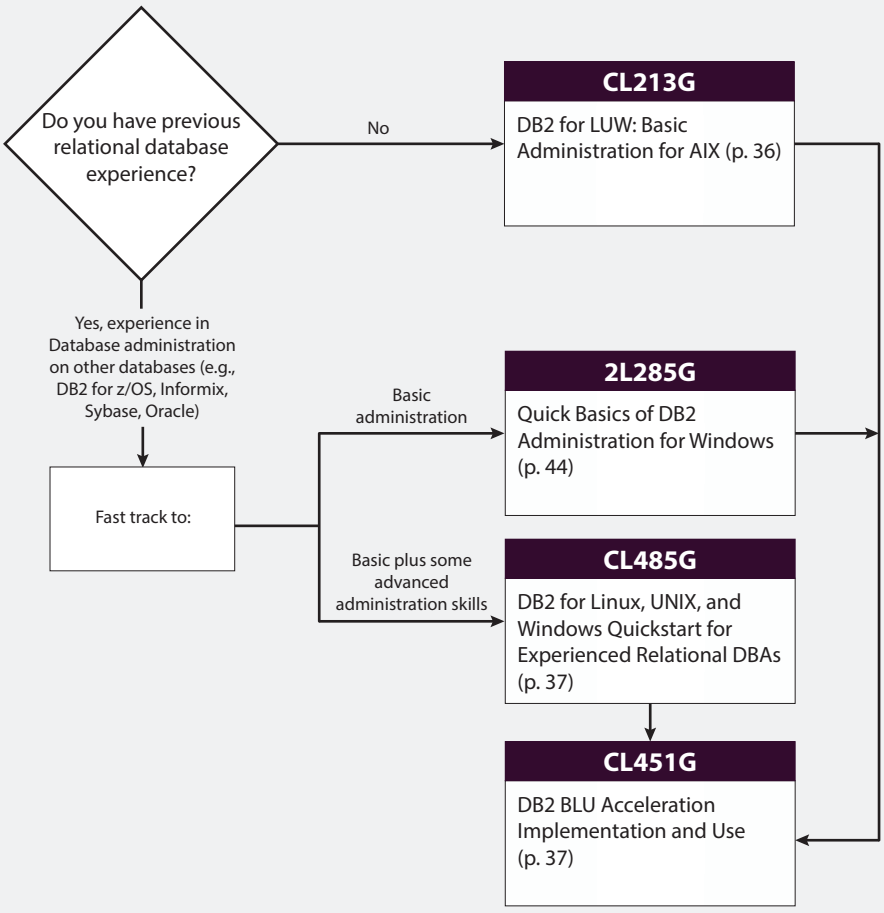
IBM INFOSPHERE MDM DATA STEWARD

Govern Data: As an IBM InfoSphere MDM data steward, you are responsible for providing business users with high quality data. Use this journey to learn data quality tools to help provide business users with easily accessible and consistent business glossary data.



DATABASE ADMINISTRATION IBM DB2 BLU ACCELERATION

Update your IBM DB2 administrative skills to the latest version and features of the IBM DB2 platform, including the latest IBM DB2 BLU Acceleration technology.



CE031G

DB2 Family Fundamentals (2 days)

This course provides students with information about the functions of IBM's DB2, a relational database manager which may be installed under a variety of operating systems on many hardware platforms. DB2 runs under the z/OS, VM, Linux, UNIX, and Windows operating systems, to name a few. The course includes discussion of how the DB2 products provide services. The focus is on the services DB2 provides and how we work with DB2, not on its internal workings.

Audience:

- Students requiring an introductory knowledge of DB2

Prerequisites:

- Basic knowledge in data processing

CL2X3G

DB2 for LUW: Basic Administration for Linux and Windows (4 days)

This course teaches students basic database administrative tasks using DB2 for Linux, UNIX, and Windows. These tasks include creating and populating databases, as well as implementing a logical design to support recovery requirements. Various diagnostic methods will be presented including using the db2diag.log file messages to direct students to investigate errors and use the db2pd commands.

Audience:

- System administrators and database administrators

Prerequisites:

- Basic OS functions such as utilities, file permissions, hierarchical file system, commands, and editor
- Knowledge of SQL, DDL, DML, and authorization statements
- Basic relational database concepts and objects such as tables, indexes, views, and join

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CL207G

DB2 Administration Workshop for Linux (4 days)

This course teaches students to perform basic database administrative tasks using DB2 11.1, such as: creating database objects like tables, indexes and views, and loading data into the database with DB2 utilities like LOAD and INGEST. Various diagnostic methods will be presented, including using DB2 command options, and monitoring with SQL statements that reference DB2 monitor functions. Students will learn how to implement database security, including adding a security administrator, SECADM user, and implement database roles to simplify security management. The course also describes implementing DB2 native encryption for a database.

Audience:

- System administrators, database administrators, and technical personnel

Prerequisites:

- State the functions of the Structured Query Language (SQL) and be able to construct DDL, DML, and authorization statements
- Discuss basic relational database concepts and objects such as tables, indexes, views, and joins

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CL213G

DB2 for LUW: Basic Administration for AIX (4 days)

This course teaches basic database administrative tasks using DB2 for Linux, UNIX, and Windows. These tasks include creating and populating databases and implementing a logical design to support recovery requirements. The access strategies selected by the DB2 Optimizer will be examined using the DB2 Explain tools.

Audience:

- System administrators, database administrators, and technical personnel

Prerequisites:

- Knowledge of basic OS functions such as utilities, file permissions, commands etc.
- Knowledge of SQL and the ability to construct DDL, DML, and authorization statements
- Knowledge of basic relational database concepts and objects such as tables, indexes, views, and join

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CL451G

DB2 BLU Acceleration Implementation and Use (2 days)

The course teaches students the concepts of the BLU Acceleration feature of DB2, including loading data into column-organized tables and monitoring the processing of SQL statements that access the tables. This course allows students to create a set of column-organized tables from an existing set of row-organized tables and execute and analyze the performance of BLU Acceleration in a MPP database.

Audience:

- Experienced database administrators

Prerequisites:

- CL485G - DB2 for Linux, UNIX, and Windows Quickstart for Experienced Relational DBAs (page 37) or equivalent experience *(recommended)*

CL485G

DB2 for Linux, UNIX, and Windows Quickstart for Experienced Relational DBAs (4 days)

This course teaches basic and advanced database administrative tasks using DB2 for Linux, UNIX, and Windows. Students will learn how to implement automatic archival for database logs and how to plan a redirected database restore to relocate either selected table spaces or an entire database.

Audience:

- Experienced database administrators and technical individuals

Prerequisites:

- Knowledge of basic OS functions, SQL and the ability to construct DDL, DML, and authorization statements
- Knowledge of basic relational database concepts and objects such as tables, indexes, views, and join

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KM020G

IBM InfoSphere Data Replication - InfoSphere Change Data Capture Essentials (3 days)

This course teaches students about the InfoSphere Change Data Capture (CDC) component of the IBM InfoSphere Data Replication family of solutions. This course will examine the architecture, components and capabilities of CDC, and discuss various ways to setup and implement the software. Students will explore how to operate and troubleshoot CDC and discuss best practices in maintaining the environment.

Audience:

- Database administrators, data warehouse managers, business analysts, and IT managers

Prerequisites:

- None

KM204G

IBM InfoSphere DataStage Essentials (4 days)

This beginner course teaches ETL developers and project administrators how to develop parallel jobs in IBM InfoSphere DataStage. This course focuses on developers, and discusses only administration functions relevant to developers. Students will learn how to create parallel jobs that access sequential and relational data, and combine and transform the data using functions and other job components.

Audience

- ETL developers and project administrators

Prerequisites:

- Familiarity with Windows OS, and familiarity with database access techniques

KM213G

IBM InfoSphere QualityStage Essentials (4 days)

This course teaches students how to build QualityStage parallel jobs that investigate, standardize, match, and consolidate data records. Students will gain experience by building an application that combines customer data from three source systems into a single master customer record.

Audience:

- Data analysts responsible for data quality using QualityStage, data quality architects, and data cleansing developers

Prerequisites:

- Familiarity with Windows OS, and a text editor

KM404G

IBM InfoSphere Advanced DataStage: Parallel Framework (3 days)

This course introduces students to advanced parallel job development techniques in IBM InfoSphere DataStage. Students will develop a deeper understanding of its architecture, including IBM InfoSphere DataStage development and runtime environments. This will enable students to design robust, reusable parallel jobs that are optimized for performance.

Audience:

- Project administrators and ETL developers

Prerequisites:

- KM204G - IBM InfoSphere DataStage Essentials (page 37) or equivalent experience
- Minimum of 1-year experience developing parallel jobs using IBM InfoSphere DataStage

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KM413G

IBM InfoSphere Advanced QualityStage (4 days)

This course introduces students to the QualityStage data cleansing process, including how to prepare an unstructured data source for loading into an existing data target, cleansing and standardizing the source data by building a customer rule set, as well as how to build a reference match to relate the cleansed source data to the existing target data.

Audience:

- Programmers, data analysts, data quality architects, data cleansing developers, and data quality developers

Prerequisites:

- KM213G - IBM InfoSphere QualityStage Essentials (page 38) or equivalent experience
- Familiarity with Windows OS, and a text editor
- Basic statistics knowledge would be helpful

KM423G

IBM InfoSphere Advanced DataStage: Advanced Data Processing (2 days)

This course introduces students to advanced parallel job data processing techniques in IBM InfoSphere DataStage. This includes developing data techniques for processing complex data resources including relational data, unstructured data (Excel spreadsheets), and XML data. Additionally, students will learn advanced data processing techniques, such as data masking and data validation using data rules, as well as techniques for updating data in a star schema data warehouse using the DataStage Slowly Changing Dimension stage.

Audience:

- Experienced IBM InfoSphere DataStage developers

Prerequisites:

- KM404G - IBM Infosphere Advanced DataStage: Parallel Framework (page 38) or equivalent experience

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KM510G

IBM InfoSphere Information Server Administrative Tasks (1 day)

This course provides an overview of key administration features available in IBM Information Server and its suite of products and components, with a focus on developing basic administrative skills such as user management, session management, and reporting management tasks. This course also covers the use of command line tools such as istool and encrypt.

Audience:

- Users administering IBM Information Server and its product components

Prerequisites:

- None

KM520G

IBM InfoSphere DataStage Engine Administration for Information Server (1 day)

This course teaches students how to configure, manage, and monitor the IBM InfoSphere DataStage Engine. Students will be introduced to the DataStage project configuration, the Engine's development and runtime environments, and its data source connectivity. In addition, students will learn how to import and export DataStage objects, how to run and monitor DataStage jobs through the command line and GUI, and how to use some important Engine utilities.

Audience:

- IBM Information Server and IBM InfoSphere DataStage administrators

Prerequisites:

- KM510G - IBM InfoSphere Information Server Administrative Tasks (page 39) or equivalent experience

KM615G

IBM InfoSphere Information Governance Catalog: Building the Governance Catalog (1 day)

This beginner course teaches students how to use the IBM Information Governance Catalog to govern information assets by developing a governance catalog of categories and terms. This catalog documents information assets, governance policies, and rules that implement the high-level strategy and objectives of a governance program.

Audience:

- IBM Information Governance Catalog users

Prerequisites:

- Familiarity with Windows OS and IBM Information Server products *(recommended)*

KM618G

IBM Stewardship Center for Information Server (1 day)

IBM Stewardship Center for IBM Information Server provides event notification with workflow and remediation. Business users can be notified and respond to IBM Information Server events, when they occur. These events include data quality exceptions occurring in IBM Information Server products such as DataStage and Information Analyzer. These events also include catalog edits to governance categories and terms occurring within the IBM Information Governance Catalog.

Audience:

- Data Stewards and business users

Prerequisites:

- Familiarity with Windows OS and IBM Information Server products *(recommended)*

KM625G

IBM InfoSphere Information Governance Catalog: Understanding Your Information Assets (1 day)

Students will learn the skills necessary to capture and analyze metadata stored within the IBM Information Server repository using the IBM Information Governance Catalog.

Audience:

- IBM Information Governance Catalog users

Prerequisites:

- Familiarity with Windows OS and IBM Information Server products *(recommended)*

KM650G

New Features in IBM InfoSphere Data Integration and Governance (1 day)

Students will be introduced to new data integration and governance features in IBM InfoSphere Information Server and IBM InfoSphere MDM. Each unit in the course covers a separate product or component of IBM InfoSphere Information Server and IBM InfoSphere MDM.

Audience:

- Experienced users and developers

Prerequisites:

- Familiarity with earlier versions of IBM InfoSphere Information Server or IBM InfoSphere MDM

KM803G

IBM Information Analyzer Essentials (4 days)

This course teaches data analysts how to use the IBM InfoSphere suite to analyze data and report results. Additionally, the information discovered during analysis will be used to construct data rules. Students will explore techniques for delivering data analysis results to ETL developers and demonstrate how to develop more meaningful metadata to reflect data discovery results.

Audience:

- Data analysts and/or data quality analysts

Prerequisites:

- Familiarity with Open Database Connectivity (ODBC) and relational database access techniques
- Data modeling experience would be helpful

ZZ520G

Using InfoSphere MDM Collaborative Edition (3 days)

This course is designed to provide not only the essentials of understanding Master Data Management (MDM) and Product Information Management (PIM) concepts, but also cover a breadth of InfoSphere MDM Collaborative Edition feature functions. Students will explore how to use the newly designed web interface to easily create data objects, items, categories, and other artifacts that will create the master data solution.

Audience:

- Business analysts, developers, implementation consultants, support engineers, technical sales and marketing individuals, sales and marketing individuals, project managers, and system administrators

Prerequisites:

- None

ZZ540G

Programming with InfoSphere MDM Collaborative Edition (4 days)

This course teaches students how to setup their environment and begin programming with MDM CE. Using IBM's Implementation Methodology Approach (use cases), students will have first-hand experience building a solution that incorporates the functionality of the MDM CE product, along with best practices for programming with MDM CE.

Audience:

- Developers, solution architects, technical architects, and technical specialists

Prerequisites:

- ZZ520G - Using InfoSphere MDM Collaborative Edition (page 40) *(recommended)*
- Familiarity with eclipse based Integrated Development Environment
- 2-3 years of Java programming experience

ZZ670G

InfoSphere MDM Reference Data Management (2 days)

This course prepares students to implement the InfoSphere Reference Data Management solution, and understand how the solution will work within their organization. Students will install and use the InfoSphere Reference Data Management Hub and Console to manage data sets, data types, mappings, hierarchies and subscriptions. For each core area, the instructor will explain the high-level concepts and have the students work with the feature in the lab exercises.

Audience:

- Technical specialists, support engineers, and system architects

Prerequisites:

- None

ZZ720G

InfoSphere MDM Virtual Foundation (3 days)

This course introduces the major components of the InfoSphere MDM Virtual module, the data model, the matching engine and how customization can be implemented. Students will learn how to invoke the InfoSphere MDM interactions, and the various configuration and extension points of a service. This course has a heavy emphasis on exercises where students will deploy a new MDM configuration, invoke interactions, walk through the default matching algorithm, and create a custom handler and composite view.

Audience:

- Technical specialists who will be developing a solution using the InfoSphere MDM Virtual Module

Prerequisites:

- None

ZZ780G

InfoSphere MDM Algorithms (2 days)

This course prepares students to work with and customize the algorithm configurations deployed to the InfoSphere MDM Probabilistic Matching Engine (PME) for Virtual and Physical MDM implementations. The PME is the heart of all matching, linking, and searching for entities (person, organization, etc.) that exist in InfoSphere MDM. This course has a heavy emphasis on exercises, where students will implement the customization discussed in the course to perform matching, linking, and searching on fields not provided by the default implementation.

Audience:

- Business and technical specialists working with the matching, linking, and search services of InfoSphere MDM

Prerequisites:

- Experience with InfoSphere MDM *(recommended)*

ZZ820G

InfoSphere MDM Architecture (3 days)

This course introduces the major components of the InfoSphere MDM Architecture and how each component interacts. Students will learn how InfoSphere MDM responds once a service is invoked and the various configuration and extension points of a service. This course prepares students to identify how MDM will fit into their organization and what pieces may be customized to fit their business requirements.

Audience:

- Infrastructure specialists, technical specialists, support engineers, and system architects

Prerequisites:

- Working knowledge of Java EE architecture *(recommended)*

ZZ840G

InfoSphere MDM Workbench (3 days)

This course takes students through the process of customizing both the Virtual and Physical MDM using the InfoSphere MDM Workbench. The course will focus on the core features of the Workbench: creating a Physical MDM Addition, creating a Physical MDM Extension, creating a Physical MDM Behavior Extension, creating a composite service, deploying a Virtual MDM configuration, configuring the Virtual Data Model, creating a Virtual Custom Composite View, creating a Virtual Callout Handler, generating an enterprise service interface using the Virtual data model and customizing a Hybrid implementation.

Audience:

- Infrastructure specialists, technical specialists, support engineers, and system architects

Prerequisites:

- Working knowledge of Java EE architecture and XML concepts
- ZZ930G - InfoSphere MDM Physical Domains (page 43)

ZZ870G

InfoSphere MDM Application Toolkit (2 days)

This course introduces students to the Business Process Manager (BPM) and the Process Designer to create processes that will use MDM data and services. This course has a heavy emphasis on exercises and takes students through creating a process to search and update a customer's address.

Audience:

- Individuals that will be using the IBM InfoSphere MDM Application Toolkit to build processes that involve the Physical or Virtual MDM

Prerequisites:

- 1Z801G - Introduction to InfoSphere Master Data Management (page 44) *(recommended)*

ZZ880G

Virtual Module Algorithms for InfoSphere MDM (2 days)

This course prepares students to work with and customize the algorithm configurations deployed to the InfoSphere MDM Probabilistic Matching Engine (PME) for Virtual MDM implementations. The PME is the heart of all Matching, Linking, and Searching for entities (Person, Organization, etc.) that exist in InfoSphere MDM.

Audience:

- Business and technical specialist working with the Matching, Linking, and Search services of InfoSphere MDM Virtual module

Prerequisites:

- 1Z801G - Introduction to InfoSphere Master Data Management (page 44) or equivalent experience *(recommended)*
- Experience with InfoSphere MDM

ZZ930G

InfoSphere MDM Physical Domains (3 days)

This course introduces Data Domains for the InfoSphere Master Data Management Physical Module. This course takes a comprehensive look at the three core data domains of InfoSphere MDM: Party, Account, and Product. For each of the domains spanned by InfoSphere MDM, students will be exposed to the data model, services, and rules associated with the main entities of that domain.

Audience:

- Individuals looking to get an understanding of the Data Domains for the InfoSphere Master Data Management Physical Module

Prerequisites:

- 1Z801G - Introduction to InfoSphere Master Data Management (page 44) or equivalent experience *(recommended)*
- A high-level understanding of XML and the ability to make simple modifications to XML documents
- Knowledge of basic relational database concepts and objects such as tables

ZZ981G

InfoSphere MDM Physical Module Algorithms (3 days)

This course prepares students to work with and customize the algorithm configurations deployed to the IBM InfoSphere MDM Probabilistic Matching Engine (PME) for the Physical MDM implementation.

Audience:

- Business and technical specialists working with the Suspect Duplicate Processing and Search services of IBM InfoSphere MDM

Prerequisites:

- 1Z801G - Introduction to InfoSphere Master Data Management (page 44)
- ZZ780G - InfoSphere MDM Algorithms (page 41)

SELF-PACED VIRTUAL COURSES

1Z801G

Introduction to InfoSphere Master Data Management

This course is designed to teach students the basics of Master Data Management and IBM InfoSphere solutions. Students will gain an understanding of what Master Data Management is and of IBM InfoSphere's MDM offerings: Standard, Advanced, and Collaborative Editions.

Audience:

- Open

Prerequisites:

- None

1Z802G

IBM InfoSphere Master Data Management Fundamentals

This course will build a foundation for students interested in what master data is and how it is managed. Students will learn about master data management (MDM), MDM implementation styles, and a variety of MDM use cases. They will then be introduced to multiple IBM MDM solutions and will gain an understanding of the capabilities of each solution.

Audience:

- Open

Prerequisites:

- None

2L285G

Quick Basics of DB2 Administration for Windows

This course teaches basic database administrative tasks using DB2 for Linux, UNIX, and Windows. These tasks include creating database objects like table, indexes and views and loading data into the database with DB2 utilities like LOAD and INGEST. Students will learn how to implement automatic archival for database logs and how to recover a database to a specific point in time using the archived logs.

Audience:

- Database administrators and technical individuals

Prerequisites:

- Knowledge of SQL and the ability to construct DDL, DML, and authorization statements
- Knowledge of basic relational database concepts and objects such as tables, indexes, views, and join

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K07001G

Using XML in DataStage

This course teaches experienced DataStage developers how to use the Hierarchical DataStage to parse, compose, and transform XML data. Students will learn to write hierarchical data to a relational table, and have a better understanding of how to use DataStage's Hierarchical DataStage.

Audience:

- Developers

Prerequisites:

- General understanding of XML

IBM PREDICTIVE ANALYTICS

AVAILABLE TRAINING FORMATS:

- In-Class
- Instructor-Led Online
- Self-Paced Virtual Course
- Customized
- Educational Mentoring

IBM PREDICTIVE ANALYTICS

OVERVIEW & KEY FEATURES

IBM SPSS Predictive Analytics provides organizations with the ability to discover patterns and trends in structured and unstructured data to consistently make better decisions. It's a platform that brings together advanced analytical capabilities spanning ad-hoc statistical analysis, predictive modeling, data mining, text analytics, entity analytics, optimization, real-time scoring and machine learning.

01 IBM SPSS Statistics

Use a range of techniques including ad-hoc analysis, hypothesis testing and reporting – making it easier to manage data, select and perform analyses, and share your results.

02 IBM SPSS Modeler

IBM SPSS Modeler is used for data preparation and discovery, predictive analytics, model management and deployment, and machine learning to monetize data assets.

03 IBM SPSS Analytic Server

IBM SPSS Analytic Server enables IBM SPSS Modeler to use big data as a source for predictive modeling.

04 IBM Watson Studio Desktop

Empower your data science and AI teams to refine data, visually build models and deploy using data on the desktop for anytime, anywhere access.

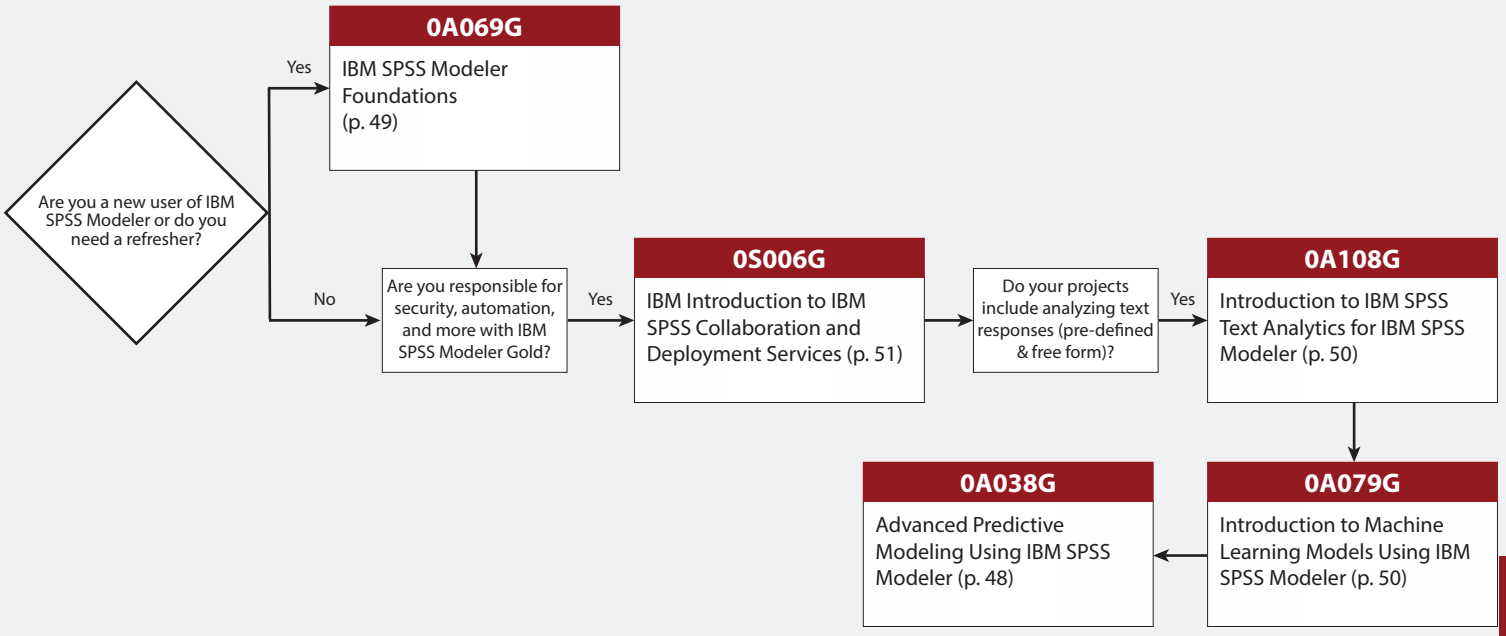
05 IBM SPSS Data Preparation

IBM SPSS Data Preparation performs advanced techniques to streamline the data preparation stage – delivering faster, more accurate data analysis results.

IBM SPSS MODELER

DATA MODELER

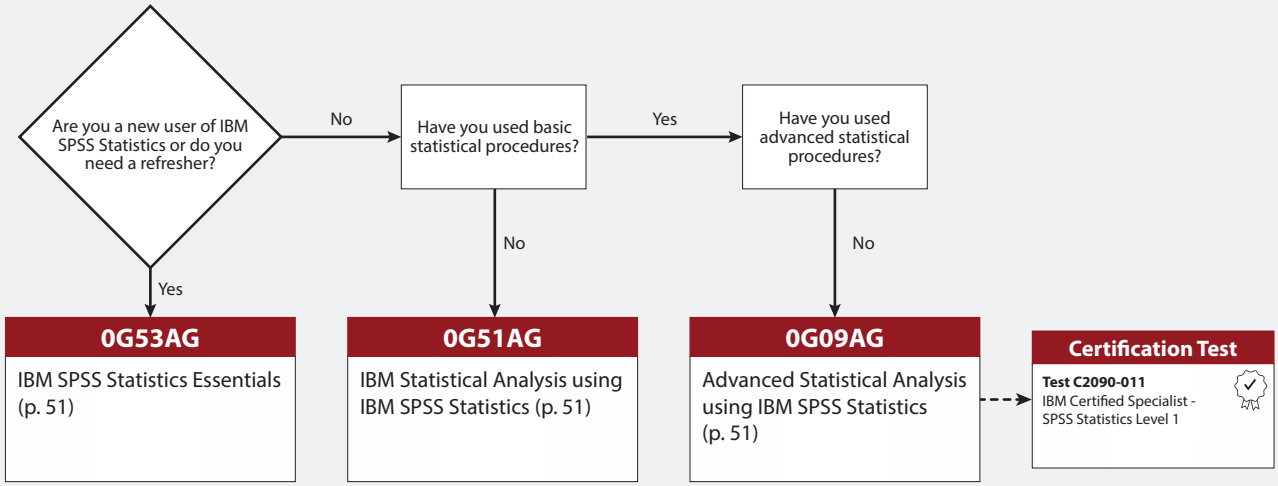
Analyze Data: As a data analyst, you are responsible for using various techniques for analyzing and mining data. Use this journey to learn advanced techniques for IBM SPSS Modeler such as text analytics, data mining, classifications, predicting continuous targets, clustering, association modeling and more.



IBM SPSS STATISTICS

NEW USER

Learn IBM SPSS Statistics: As a new user, use this journey to learn how to prepare data and use various statistical analysis methods.



0A008G

Introduction to IBM SPSS Modeler and Data Science (2 days)

This course provides the fundamentals of using IBM SPSS Modeler and introduces students to data science. The principles and practice of data science are illustrated using the CRISP-DM methodology. The course structure follows the stages of a typical data mining project, from collecting data, to data exploration, data transformation, and modeling to effective interpretation of the results. The course provides training in the basics of how to read, prepare, and explore data with IBM SPSS Modeler, and introduces the student to modeling.

Audience:

- New users of IBM SPSS Modeler

Prerequisites:

- None

0A018G

Data Science without a Ph.D. Using IBM SPSS Modeler (1 day)

This course focuses on reviewing concepts of data science, where students will learn the stages of a data science project. Topics include using automated tools to prepare data for analysis, build models, evaluate models, and deploy models using IBM SPSS

Audience:

- Business analysts and data scientists

Prerequisites:

- None

0A028G

Introduction to Time Series Analysis Using IBM SPSS Modeler (1 day)

This course gets students up and running with a set of procedures for analyzing time series data. Students will learn how to forecast using a variety of models, including regression, exponential smoothing, and ARIMA, which take into account different combinations of trend and seasonality. The Expert Modeler features will be covered, which are designed to automatically select the best fitting exponential smoothing or ARIMA model, but students will also learn how to specify their own custom models, and how to identify ARIMA models themselves using a variety of diagnostic tools such as time plots and autocorrelation plots.

Audience:

- Business analysts and data scientists

Prerequisites:

- Familiarity with the IBM SPSS Modeler environment (creating, editing, opening, and saving streams)

0A038G

Advanced Predictive Modeling Using IBM SPSS Modeler (1 day)

This course builds on advanced techniques to predict categorical and continuous targets. It addresses data preparation issues such as partitioning and detecting anomalies along with methods to reduce the number of fields to a number of core fields (factors). This course also covers advanced predictive models, such as Decision List, Support Vector Machines and Bayes Net. Methods to combine individual models into a single model in order to improve predictive power are also covered.

Audience:

- IBM SPSS Modelers responsible for building predictive models

Prerequisites:

- 0A069G - IBM SPSS Modeler Foundations (page 49) or equivalent experience in analyzing data with IBM SPSS Modeler

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0A039G

Advanced Machine Learning Models Using IBM SPSS Modeler (1 day)

This course presents advanced models available in IBM SPSS Modeler. The student is first introduced to a technique named PCA/Factor, to reduce the number of fields to a number of core factors, referred to as components or factors. The next topics focus on supervised models, including Support Vector Machines, Random Trees, and XGBoost. Methods are reviewed on how to analyze text data, combine individual models into a single model, and how to enhance the power of IBM SPSS Modeler by adding external models, developed in Python or R, to the Modeling palette.

Audience:

- Data Scientists and business analysts

Prerequisites:

- 0A069G - IBM SPSS Modeler Foundations (page 49)
- 0A079G - Introduction to Machine Learning Models Using IBM SPSS Modeler (page 50)

0A048G

Clustering and Association Modeling Using IBM SPSS Modeler (1 day)

This course introduces modelers to two specific classes of modeling available in IBM SPSS Modeler: clustering and associations. Students will explore various clustering techniques typically employed in market segmentation studies, as well as how to create sequence and association models.

Audience:

- Modelers and analysts

Prerequisites:

- Familiarity with the IBM SPSS Modeler environment
- Familiarity with handling missing data (i.e. Type and Data Audit nodes), and basic data manipulation (i.e. Derive and Select nodes)
- 0A008G - Introduction to IBM SPSS Modeler and Data Science (page 48), or equivalent experience in analyzing data with IBM SPSS Modeler

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0A058G

Advanced Data Preparation Using IBM SPSS Modeler (1 day)

This course covers advanced topics to aid in the preparation of data for a successful data mining project. Students will learn how to use functions, deal with missing values, use advanced field operations, handle sequence data, apply advanced sampling methods, and improve efficiency.

Audience:

- Users looking to familiarize with the full range of techniques available in IBM SPSS Modeler for data manipulation

Prerequisites:

- Familiarity with the IBM SPSS Modeler environment
- 0A008G - Introduction to IBM SPSS Modeler and Data Science (page 48) or equivalent experience *(recommended)*

0A069G

IBM SPSS Modeler Foundations (2 day)

This course provides the foundations of using IBM SPSS Modeler and introduces the participant to data science. The principles and practice of data science are illustrated using the CRISP-DM methodology. The course provides training in the basics of how to import, explore, and prepare data with IBM SPSS Modeler v18.2, and introduces the student to modeling.

Audience:

- Data scientists and business analysts

Prerequisites:

- None

0A079G

Introduction to Machine Learning Models Using IBM SPSS Modeler (2 day)

This course provides an introduction to supervised models, unsupervised models, and association models. This is an application-oriented course and examples include predicting whether customers cancel their subscription, predicting property values, segment customers based on usage, and market basket analysis.

Audience:

- Data scientists and business analysts

Prerequisites:

- 0A069G - IBM SPSS Modeler Foundations (page 49) or equivalent experience *(recommended)*

0A0V8G

Predictive Modeling for Continuous Targets Using IBM SPSS Modeler (1 day)

This course provides an overview of how to use IBM SPSS Modeler to predict a target field that describes numeric values. Students will be exposed to rule induction models such as CHAID and C&R Tree. Traditional statistical models such as Linear Regression will be introduced, and Machine Learning models will also be presented.

Audience:

- IBM SPSS Modeler analysts interested in learning modeling techniques used to predict a continuous target

Prerequisites:

- Familiarity with IBM SPSS Modeler environment
- 0A008G - Introduction to IBM SPSS Modeler and Data Science (page 48) or equivalent experience *(recommended)*

0A0U8G

Predictive Modeling for Categorical Targets Using IBM SPSS Modeler (1 day)

This course (formerly Classifying Customers Using IBM SPSS Modeler) focuses on analytical models to predict a categorical field (churn, fraud, response to a mailing, pass/fail exams, machine break-down, and so forth). Students will be introduced to decision trees such as CHAID and C&R Tree, traditional statistical models such as Logistic Regression, and machine learning models such as Neural Networks.

Audience:

- Users looking to familiarize with analytical models to predict a categorical field

Prerequisites:

- Familiarity with IBM SPSS Modeler environment
- 0A008G - Introduction to IBM SPSS Modeler and Data Science (page 48) or equivalent experience *(recommended)*

0A108G

Introduction to IBM SPSS Text Analytics for IBM SPSS Modeler (2 days)

This course introduces students to the complete process of working with text data, from reading the text data to creating the final categories for additional analysis. Students will learn how to apply the model for Churn analysis, create and share resource templates and Text Analysis packages, automatically and manually create and modify categories, edit synonym, type, and exclude dictionaries, as well as how to perform Text Link Analysis and Cluster Analysis with text data.

Audience:

- IBM SPSS Modeler analysts responsible for building predictive models

Prerequisites:

- 0A069G - IBM SPSS Modeler Foundations (page 49) or equivalent experience *(recommended)*

0G51AG

IBM Statistical Analysis using IBM SPSS Statistics (2 days)

This course introduces students to the statistical component of IBM SPSS Statistics. Statistical techniques will be reviewed and discussed, such as how to explore and summarize data, and how to investigate and test underlying relationships. Students will gain an understanding of when and why to use these various techniques, as well as how to apply them with confidence, interpret their output, and graphically display the results.

Audience:

- IBM SPSS Statistics users

Prerequisites:

- 0G53AG - IBM SPSS Statistics Essentials (page 51) or equivalent experience with IBM SPSS Statistics

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0G53AG

IBM SPSS Statistics Essentials (2 days)

This course guides students through the fundamentals of using IBM SPSS Statistics for typical data analysis processes. Students will learn the basics of reading data, data definition, data modification, data analysis and presentation of analytical results. Students will also see how easy it is to get data into IBM SPSS Statistics so that they can focus on analyzing the information.

Audience:

- IBM SPSS Statistics users

Prerequisites:

- None

0G09AG

IBM Advanced Statistical Analysis Using IBM SPSS Statistics (2 days)

This course provides an application-oriented introduction to advanced statistical methods available in IBM SPSS Statistics. Students will review a variety of advanced statistical techniques and discuss situations in which each technique would be used, the assumptions made by each method, how to set up the analysis, and how to interpret the results. This includes a broad range of techniques for predicting variables, as well as methods to cluster variables and cases.

Audience:

- IBM SPSS Statistics users

Prerequisites:

- 0G51AG - Statistical Analysis Using IBM SPSS Statistics (page 51) or equivalent experience

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0S006G

Introduction to IBM SPSS Collaboration and Deployment Services (2 days)

This course teaches students object and asset management, security, shared resource usage, automation, and interaction with IBM SPSS Modeler. Students will learn how to manage repository objects, the logical hierarchy structure, and how to import, export, and promote objects for use in multi-repository environments. Students will also become familiar with the components of jobs and the mechanisms to set up, order, and relate job steps. Scheduling, parameters, job monitoring, job history, and event notification are discussed. Finally, the role of Collaboration and Deployment Services in IBM SPSS Modeler is discussed, addressing real time scoring, analytical data view, and model management.

Audience:

- Modelers and analysts

Prerequisites:

- 0A069G - IBM SPSS Modeler Foundations (page 49) or equivalent experience *(recommended)*

IBM OPEN SOURCE & BIG DATA ANALYTICS

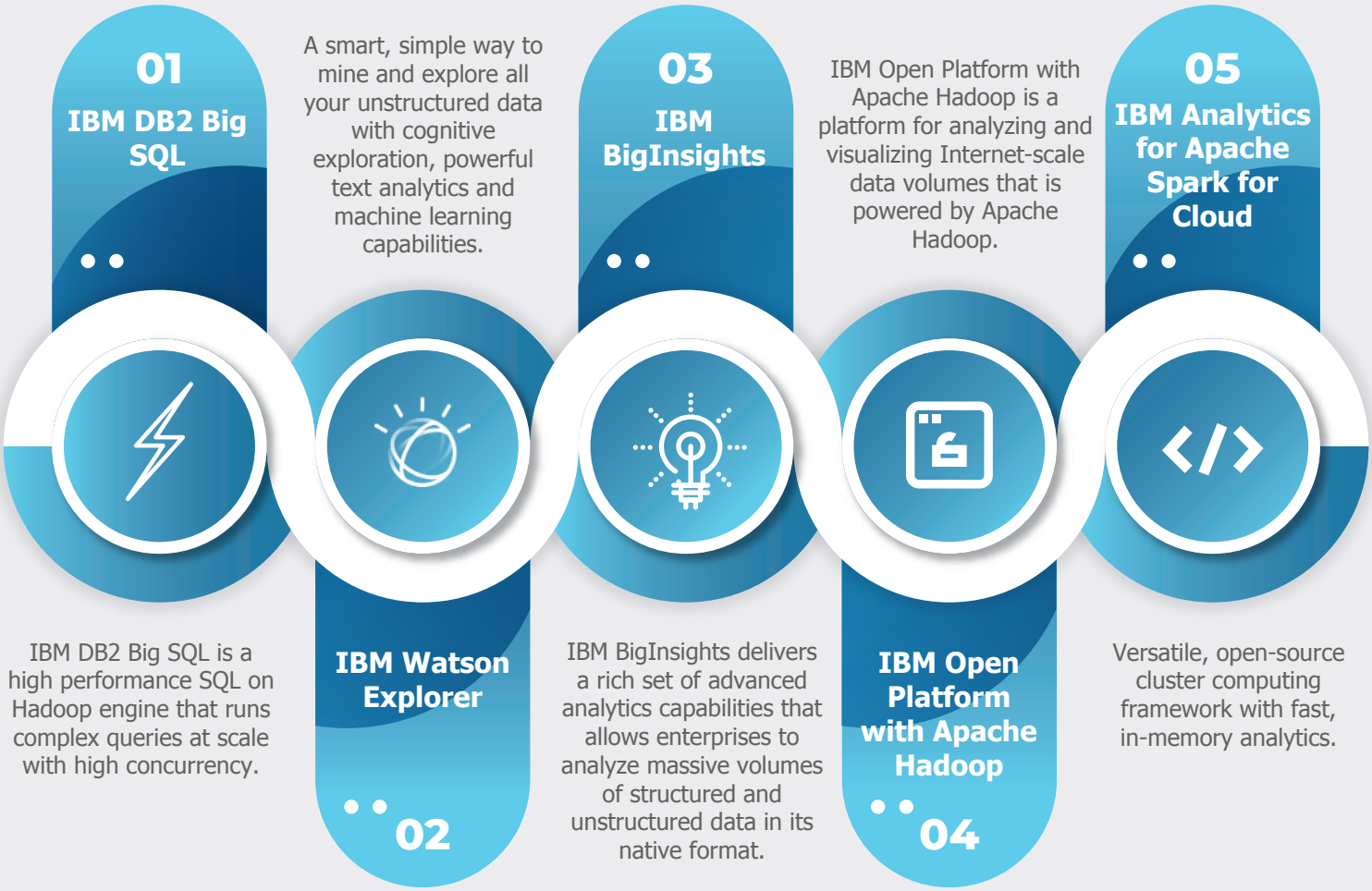
AVAILABLE TRAINING FORMATS:

- In-Class
- Instructor-Led Online
- Self-Paced Virtual Course
- Customized
- Educational Mentoring

IBM OPEN SOURCE & BIG DATA ANALYTICS

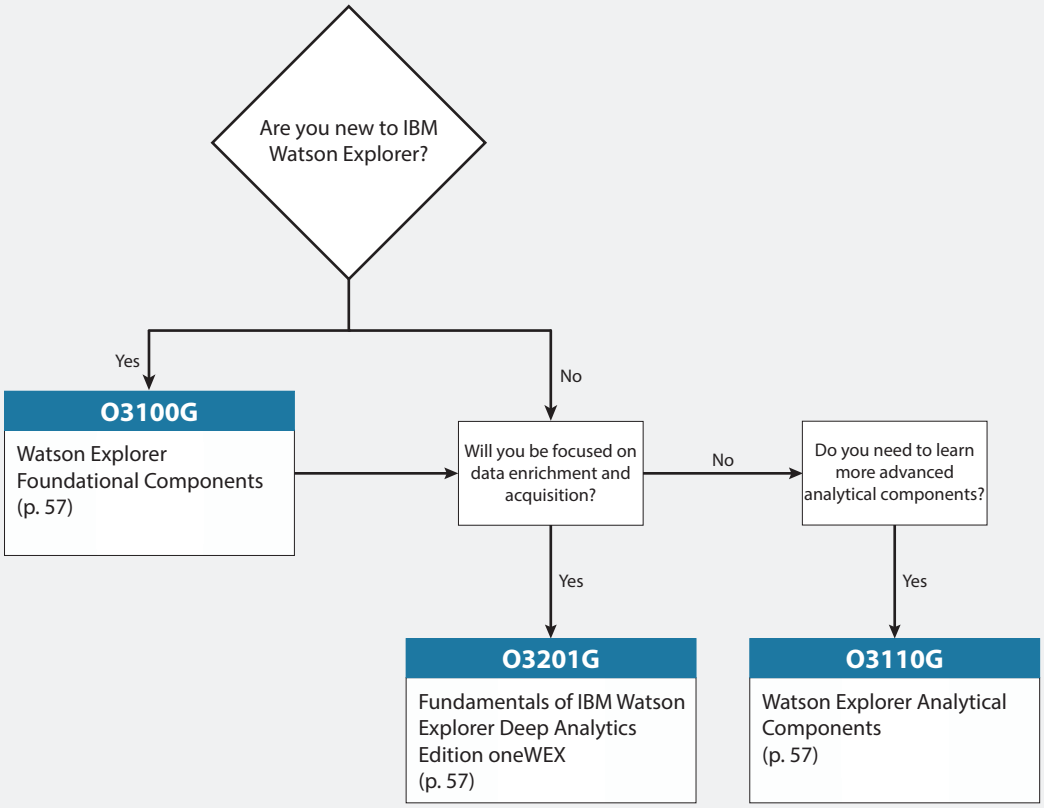
OVERVIEW & KEY FEATURES

IBM Big Data Analytics platform allows you to leverage open source technology while reducing your risk and increasing your flexibility with rapidly growing data sets. Easily incorporate and analyze data from a variety of sources, allowing you to blend newer technologies into your existing architecture.



IBM WATSON EXPLORER DEVELOPER

Start your IBM Watson Explorer journey with these new training options.



CE121G

DB2 SQL Workshop (2 days)

This course provides an introduction to the SQL language. Students will learn how to write, support, and understand simple SQL queries, along with how to use the SQL Data Manipulation Language. Students will also learn how to retrieve data from manipulation tables, scalar and arithmetic functions, and how to maintain data.

Audience:

- End-users, programmers, application designers, database administrators, and system administrators

Prerequisites:

- Basic computer literary
- Basic editing skills

CE131G

DB2 SQL Workshop for Experienced Users (2 1/2 days)

This course teaches students how to make use of advanced SQL techniques to access DB2 databases in different environments. This course is appropriate for anyone working in all DB2 environments, specifically for z/OS, Linux, UNIX, and Windows.

Audience:

- End-users, application programmers, and database administrators

Prerequisites:

- Knowledge of coding and executing basic SQL statements
- CE121G - DB2 Workshop (page 55) *(recommended)*

DW601G

IBM BigInsights Overview (1 day)

This course provides an overview of IBM's Big Data strategy as well as the importance of understanding and using Big Data. The course will cover IBM BigInsights as a platform for managing and gaining insights from Big Data. Students will learn how IBM BigInsights has aligned their offerings to better suit their needs with the IBM Open Platform (IOP) along with the three specialized modules with value-add that sit on top of the IOP.

Audience:

- Big data engineers, data scientists, developers, programmers, and administrators

Prerequisites:

- Knowledge of Linux would be helpful

DW606G

IBM Open Platform with Apache Hadoop (2 days)

This course provides an in-depth introduction to the main components of the ODP core - namely Apache Hadoop (inclusive of HDFS, YARN, and MapReduce) and Apache Ambari and provides a treatment of the main open-source components that are generally made available with the ODP core in a production Hadoop cluster.

Audience:

- Big data engineers, data scientist, developers, programmers, and administrators

Prerequisites:

- Knowledge of Linux would be helpful

DW613G

IBM BigInsights Foundation (3 days)

This course provides a foundation of IBM BigInsights through two separate modules: IBM BigInsights Overview and IBM Open Platform with Apache Hadoop. The first module will cover IBM BigInsights as a platform for managing and gaining insights from your big data, as well as value-add tools including Big SQL, BigSheets, and Big R. The second module will provide students with an in-depth introduction to the main components of the ODP core - namely Apache Hadoop (inclusive of HDFS, YARN, and MapReduce) and Apache Ambari.

Audience:

- Big data engineers, data scientists, developers, programmers, and administrators

Prerequisites:

- None

DW634G

IBM Big SQL for Developers (1 day)

This course is designed to introduce students to the capabilities of IBM Big SQL. IBM Big SQL allows students to access their HDFS data by providing a logical view to it. Students will learn what Big SQL is, how it is used, and the Big SQL architecture. Students will also learn how to connect to Big SQL, create tables with a variety of data types, load data in, and run queries against the data. This course also covers how to use Bog SQL with other components of the Hadoop ecosystem.

Audience:

- Developers and administrators

Prerequisites:

- Basic knowledge of Linux and SQL
- Working knowledge with big data and Hadoop technologies

DW644G

IBM BigInsights BigSheets (1 day)

This course introduces students to the capabilities of BigSheets, a component of IBM BigInsights through the Analyst and the Data Scientist module. It provides analysts with the ability to visualize and analyze data stored on the HDFS using a spreadsheet type interface without any programming.

Audience:

- Business analysts

Prerequisites:

- Familiarity with Hadoop and the Linux file system
- DW613G - IBM BigInsights Foundation (page 56) *(recommended)*

DW654G

IBM BigInsights Text Analytics (1 day)

This course teaches students how to use IBM BigInsights Text Analytics to extract information from unstructured and semi-structured documents. Students will learn how to use IBM BigInsights Text Analytics to create extractors using a visual web interface. The visual extractors are then automatically translated into Annotation Query Language (AQL) rules to extract structured information from unstructured and semi-structured documents.

Audience:

- Data scientists and developers

Prerequisites:

- Familiarity with SQL, Hadoop, and the Linux file system
- DW601G - IBM BigInsights Overview (page 55)
- DW644G - IBM BigInsights BigSheets (page 56) *(recommended)*

DW664G

IBM Big SQL for Administrators (1 day)

This course introduces students to some of the additional capabilities and the administration of IBM Big SQL. This course covers Big SQL security using row and column access controls, impersonation, and data federation. The course also covers some of the best practices, performance tuning, and monitoring techniques, YARN integration and also includes an optional unit to explore a Big SQL installation.

Audience:

- Administrators and developers

Prerequisites:

- Basic knowledge of Linux and SQL
- Working knowledge with big data and Hadoop technologies
- DW613G - IBM BigInsights Foundation (page 56) *(recommended)*

O3100G

Watson Explorer Foundational Components (4 days)

This course teaches students the core features and functionality of IBM Watson Explorer Foundational Components. This course is designed to introduce students to using the enterprise search functionality to create applications using the Search Engine and Application Builder capabilities. Students will look at configuring search collection and engine components for ingesting, converting, indexing, and querying. Students will also learn the design process of creating an Application Builder 360-degree application.

Audience:

- Solution architects/designers, software architects/engineers, and software developers

Prerequisites:

- Basic knowledge of the use of search in enterprise applications
- Knowledge of XML and the usage of XSL (XSLT/XPath)
- Knowledge of coding applications using an API framework, compiled language, or scripting language

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O3110G

Watson Explorer Analytical Components (4 days)

This course teaches students the core features and functionality of IBM Watson Explorer Analytical Components. Students will learn to use the content analytics, annotator, and content mining functionality. Students will look at the results of analytic collections through the products Content Miner application. This course will also look at creating and deploying a custom annotator using Content Analytics Studio.

Audience:

- System administrators, solution architects/designers, software architects/engineers, and software developers

Prerequisites:

- Knowledge of accessing enterprise resources
- Knowledge of development using a programming/scripting language
- O3100G - Watson Explorer Foundational Components (page 57) *(recommended)*

O3201G

Fundamentals of IBM Watson Explorer Deep Analytics Edition oneWEX (2 days)

This course is designed to teach students core concepts of IBM Watson Explorer Deep Analytics Edition oneWEX. Students will learn to identify the oneWEX platforms as well as the process flow and data flow of oneWEX projects. Students will explore oneWEX tools, such as Content Miner and the Admin Console, while gaining hands-on experience in data acquisition and enrichment. Finally, students will be exposed to more advanced topics, such as Application Builder, Content Analytics Studio, and API usage.

Audience:

- Analysts, developers, and administrators

Prerequisites:

- Knowledge of accessing enterprise resources
- Knowledge of development using a programming/scripting language
- O3100G - Watson Explorer Foundational Components (page 57) *(recommended)*

FREQUENTLY ASKED QUESTIONS

1. What courseware do I receive after I register for a course?

In-Class: Upon arrival to the classroom, you will receive a hard copy of the student manual, a notebook & pen, and a laptop with access to the course environment.

Instructor-Led-Online: You will receive the student manual and a Network Connection Test approximately a week prior to course start. You will receive the login information for virtual machines and the audio-conferencing tool 1-2 business days before the course start date.

Self-Paced Virtual Courses: You will receive access to a virtual machine through your web browser, which includes a PDF copy of the student manual. Students will have access to the SPVC for 30 days after starting the course, and can work through exercises at their own pace.

2. Is there a specific sequence of courses I should take?

Yes, based on your role, there is a certain recommended training path. Please see the beginning of each product section for our standard recommended training paths - we can help create a customized training path for your needs. Please contact Newcomp Analytics' training advisors at training@newcomp.com or (888) 892-4276.

3. Why isn't the course I am looking for in the training catalogue?

We have included our most popular courses in the training catalogue. We can teach most, if not all, IBM Analytics training courses. Based on interest, we can add courses to the public schedule or schedule a private, on-site training session at your location. Please reach out to us directly at training@newcomp.com to discuss options in further detail.

4. Why is training not scheduled in my city?

We schedule training sessions based on interest and requests from our students. Please reach out to us with your request and we can add it to our training schedule or schedule a private session for your team.

5. What if I require special accommodations to take a course?

Newcomp Analytics strives to accommodate all students' needs. Please ensure that you let us know of any requirements prior to course start.

6. Does Newcomp Analytics offer customized courses?

Absolutely! Reach out to us directly at training@newcomp.com to discuss the options for customization and mentoring.

IBM Platinum Business Partner

Newcomp Analytics

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