IBM ANALYTICS
TRAINING CATALOGUE

2018

IBM Training Courses

IBM Training Paths

IBM Product Information

newcomp analytics

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WE ARE
NEWCOMP ANALYTICS

Your analytics journey begins here.

Newcomp Analytics has been coaching clients to analytics excellence for over 20 years. Analytics is no doubt very complex, and as your partner, our job is to simplify the process as we take that journey together. We provide a specific solution to your organization's challenges and needs, creating an analytics roadmap to long-term success.

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

TRUSTED
ANALYTICS ADVISORS

A successful analytics project is the product of a well-designed and executed plan. Our mission is to assess the current state and create the infrastructure that will generate value for your organization and help you reach your strategic goals. We have designed a proven methodology that acts as a roadmap to transform organization requirements into successful analytics solutions.

SOFTWARE LICENSING

SOFTWARE RENEWALS

TRAINING & EDUCATION

PROFESSIONAL SERVICES

EVENTS & WORKSHOPS

OUR DNA

With experience assisting over 400 clients in North America, we are focused on making business intelligence, information management, predictive modeling, planning analytics, and open source software a reality in your organization. Over the last twenty years, IBM and Newcomp's partnership has proven that the combination of IBM's innovative products and Newcomp's services have been key for successful project implementations.

PERFORMANCE MANAGEMENT
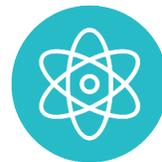
BUSINESS INTELLIGENCE

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 and 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.

TRAINING FORMATS

IN-CLASS

Our in-class facilities are located across Canada. 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

Business Intelligence - IBM Cognos Analytics (v11), IBM Cognos Business Intelligence (v10.2.2) (page 9)

Performance Management - IBM Planning Analytics/IBM Cognos TM1, IBM Cognos Disclosure Management (page 32)

Information Management - IBM InfoSphere QualityStage, IBM InfoSphere DataStage, IBM Information Governance Catalog, IBM Master Data Management, IBM DB2 (page 41)

Advanced Analytics - IBM SPSS Modeler, IBM SPSS Statistics (page 56)

Open Source & Big Data Analytics - IBM Open Platform with Apache Hadoop, IBM BigInsights, IBM InfoSphere Streams (page 64)

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
COGNOS
ANALYTICS (v11)

AVAILABLE TRAINING FORMATS:

In-Class   Instructor-Led-Online   Self-Paced Virtual Courses   Customized

IBM COGNOS ANALYTICS
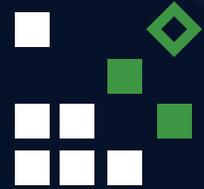
NEXT-GENERATION BI THAT INTERPRETS YOUR INTENT AND GUIDES YOU TO FASTER RESULTS

IBM Cognos Analytics is a powerful enterprise BI platform that provides an interactive way for anyone to find, explore, and share data-driven insights in a trusted and managed self-service environment. IBM Cognos Analytics is designed with the business user in mind, offering a smarter and more effective way to easily prepare, create and visualize content using built-in intelligence to guide them. Turn data into insights and make effective business decisions through an intuitive platform that delivers a personal approach to analytics.

KEY FEATURES

REPORTING & VISUALIZATION

- Contextualized smart search
- Intuitive interface
- Drag & drop dashboard creation
- Automatic suggestion of the best visualizations
- Single interface to create ad hoc or pixel perfect reports

DATA MODELING

- A complete web-based experience
- Easy upload of personal and external data
- Direct reporting from data sources
- Effortlessly blend data
- Automatic data model generation based on keywords

DATA INTEGRITY

- Protect your data with layers of permissions
- Report integrity maintained regardless of the range of inputs across your business
- Controls to protect data when sharing and creating reports
- Scheduling and alerts

CLOUD & ON-PREMISE

- Ability to run both on cloud and on-premise
- Faster ROI
- Simple licensing structure
- Integrated analytics across IBM & third-party clouds
- Improved accessibility that is technology and device agnostic

IBM COGNOS ANALYTICS UPGRADE ROAD MAP

UPGRADING FROM VERSION 10.2.2 TO VERSION 11

Development and administration have not changed between version 10.2.2 and version 11. Individuals who have already received training on the developer tools (Framework Manager, Cube Designer, Transformer) and administration in version 10.2.2 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 also recommended to take the N0CBD and N0BDM courses to understand how authors and business analysts are developing Dashboards/Stories and integrating additional data sources 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 Excel data, as well as the Cognos 11 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.

N0CPN	N0CBD	N0BDM
IBM Cognos Analytics: Portal Navigation	IBM Cognos Analytics: Building Dashboards & Stories	IBM Cognos Analytics: Building Data Modules

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ADMINISTRATOR

Administer the Cognos Analytics Platform: As an administrator, you are responsible for overseeing the technical aspects of your IBM Cognos Analytics enterprise. 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.
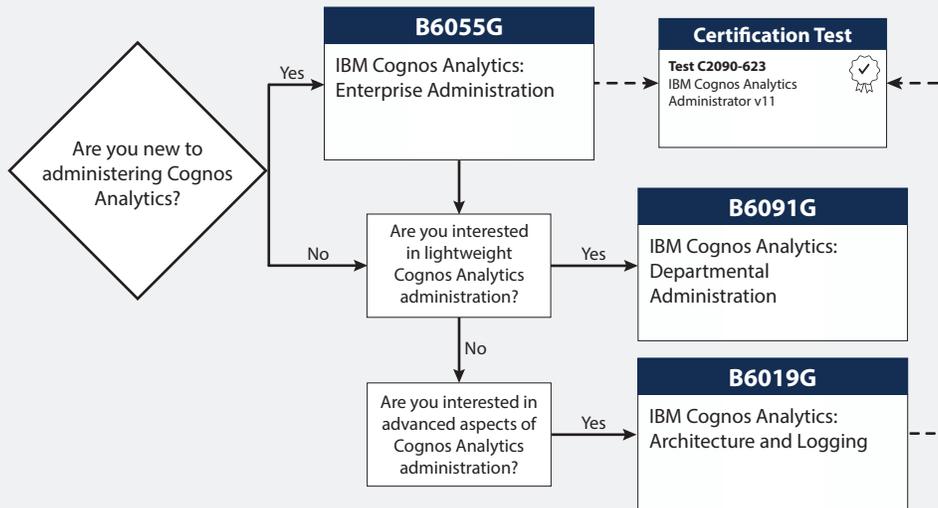
Are you new to administering Cognos Analytics?

Yes →

B6055G
IBM Cognos Analytics: Enterprise Administration

Certification Test
Test C2090-623
IBM Cognos Analytics Administrator v11

No →

Are you interested in lightweight Cognos Analytics administration?

Yes →

B6091G
IBM Cognos Analytics: Departmental Administration

No →

Are you interested in advanced aspects of Cognos Analytics administration?

Yes →

B6019G
IBM Cognos Analytics: Architecture and Logging

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.

Do you want to monitor data events?

No →

Are you interested in creating complex reports?

Yes →

N0CRF
IBM Cognos Analytics Report Authoring Fundamentals

OR

B6058G
IBM Cognos Analytics: Author Reports Fundamentals

Yes ↓

B5231G
IBM Cognos BI Event Studio: Create and Run Agents

No ↓

B6025G
IBM Cognos Analytics: Introduction to Authoring

B6059G
IBM Cognos Analytics: Author Reports Advanced

No ←

Will you be creating reports from multidimensional data?

Yes ↓

B6061G
IBM Cognos Analytics: Author Reports with Multidimensional Data

Certification Test
Test C2090-621
IBM Cognos Analytics Author v11

B6098G
IBM Cognos Analytics: Author Active Reports

Yes ←

Will you be creating reports to be viewed offline?

CONSUMER

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

Do you have basic knowledge of IBM Cognos Analytics?

No

Yes

B6008G
Overview of IBM Cognos Analytics

B6088G
IBM Cognos Analytics for Consumers

OR

Are you new to the Cognos Analytics Portal?

Will you create dashboards?

Will you do basic modeling?

Will you monitor performance metrics?

Are you interested in integrating your Cognos data with Microsoft Office?

Yes

Yes

Yes

Yes

Yes

N0CPN
IBM Cognos Analytics: Portal Navigation

N0CBD
IBM Cognos Analytics: Building Dashboards & Stories

N0BDM
IBM Cognos Analytics: Building Data Modules

B5129G
IBM Cognos Metric Studio: Manage Business Performance

B5130G
IBM Cognos for Microsoft Office: Integrate with Microsoft Office

PROJECT MANAGER

Manage Business Projects: As a project manager, you are responsible for managing the Cognos Analytics project from the initiation phase to project completion. Use this journey to learn the process of creating a Cognos Analytics solution, the underlying architecture and how the IBM implementation methodology complements top project management methodologies.

B6070G
Essentials for IBM Cognos Analytics

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DEVELOPER

Build Data Models, Cubes & Scorecards: As a developer, you are responsible for designing metadata models that enable your organization to build reports and analyze their data. Use this journey to develop your skills in building relational or multidimensional data models.

Will you be creating Dynamic Cubes?	Will you be designing OLAP models?	Will you be creating PowerCubes?	Will you be designing metadata models?
↓ Yes	↓ Yes	↓ Yes	↓ Yes

B6063G	**B5A82G**	**B5169G**	**B6052G**
IBM Cognos Cube Designer: Design Dynamic Cubes	IBM Cognos Transformer: Design OLAP Models	IBM Cognos Transformer: Create PowerCubes	IBM Cognos Framework Manager: Design Metadata Models

OR

B6070G

Essentials for IBM Cognos Analytics

↓

B6005G

Essentials for IBM Cognos Analytics: Supplement for Metadata Modelers

B6005G

Essentials for IBM Cognos Analytics: Supplement for Metadata Modelers (2 days)

This course provides students with the remainder of the metadata modeling concepts, found in the IBM Cognos Framework Manager: Design Metadata Models offering. This course provides a complete overview of the metadata modeling process, from initial project creation, to publishing metadata to the web.

Audience:
- Developers, modelers, and application developers

Prerequisites:
- Knowledge of common industry-standard data structures and design
- Experience with SQL, and gathering requirements and analyzing data
- B6070G - Essentials for IBM Cognos Analytics (page 16) or equivalent experience

B6008G

Overview of IBM Cognos Analytics (1 day)

This course provides a high-level overview of the IBM Cognos Analytics suite of products and their underlying architecture. Students will examine each component as it relates to an analytics solution, and will be shown a range of resources that provide additional information on each product.

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

Prerequisites:
- An understanding of your organization's business intelligence process and reporting needs
- Familiarity with Windows OS

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:
- B6055G - IBM Cognos Analytics: Enterprise Administration course (page 15) or equivalent experience administering the IBM Cognos Analytics environment

B6052G

IBM Cognos Framework Manager: Design Metadata Models (5 days)

This course introduces advanced metadata modeling concepts for predictable reporting and covers how to analyze results using Framework Manager. Students will learn the full scope of the metadata modeling process, from project creation to publishing metadata to the web.

Audience:
- Developers

Prerequisites:
- Knowledge of common industry-standard data structures and design
- Experience with SQL, gathering requirements and analyzing data

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B6055G 👤💻💻
IBM Cognos Analytics: Enterprise Administration (3 days)

This course teaches new administrators fundamental installation, configuration, and administration tasks. This includes installing and configuring the IBM Cognos Analytics software, implementing security, and managing the server components. Students will also monitor and schedule tasks, create data sources, and manage and deploy content.

Audience:
- Administrators

Prerequisites:
- Knowledge of web application server architectures
- Knowledge of security systems administration

B6058G 👤💻💻
IBM Cognos Analytics: Author Reports Fundamentals (3 days)

Students will learn report-building techniques using relational data models, including enhancing, customizing, and managing professional reports.

Audience:
- Authors

Prerequisites:
- Familiarity with Windows OS and a web browser

B6059G 👤💻💻
IBM Cognos Analytics: Author Reports Advanced (2 days)

This course teaches advanced report-building techniques using relational data models, including ways to enhance, customize, and manage professional reports. Students will participate in interactive demonstrations and exercises that illustrate key concepts while learning how to use advanced features in the product builds on topics learned in the Fundamentals course.

Audience:
- Authors looking to use relational data models to build reports

Prerequisites:
- B6058G - IBM Cognos Analytics - Author Reports Fundamentals (page 15) or equivalent experience

B6061G 👤💻💻
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:
- B6058G - IBM Cognos Analytics: Author Reports Fundamentals (page 15) or equivalent experience
- Knowledge of dimensional data

IBM Cognos Analytics Courses

v11

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 project creation, 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

B6070G
Essentials for IBM Cognos Analytics (5 days)

This accelerated course offering provides core project team members with a high-level overview of the IBM Cognos Analytics platform implementation, including three essential topic areas: modeling, report authoring, and administration of IBM Cognos Analytics. *Additional eLearning modules are available for purchase, please contact the Newcomp Training Team for details.*

Audience:
- Core project team members: project managers, technical analysts, and developers

Prerequisites:
- Knowledge of common industry-standard data structures and design, and web application architectures
- Experience with SQL, gathering requirements and analyzing data
- Knowledge of security systems administration

B6098G
IBM Cognos Analytics: Author Active Reports (1 day)

This course builds on students' IBM Cognos Analytics 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
- B6058G - IBM Cognos Analytics: Author Reports Fundamentals (page 15) or equivalent experience

N0BDM
IBM Cognos Analytics: Building Data Modules (1/4 day)

This course teaches students how to create data modules using lightweight data modeling techniques. Students will learn how to identify data sources, create data servers, select data sources for the data module, identify and add intent, and identify joins/relationships between data sources. Other skills such as adding calculations, custom data groups, cleansing and formatting columns will be covered.

Audience:
- Authors

Prerequisites:
- None

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N0CBD

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

This course teaches students how to build interactive dashboards using the Cognos Analytics dashboarding component. Students will learn how to use different techniques to create different widget visualizations, using both uploaded files and packages as data sources, as well as common formatting techniques.

Audience:
- Consumers, analysts, business users

Prerequisites:
- None

N0CPN

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

This course teaches students how to navigate the new Cognos Analytics portal. Students will learn how to access content including navigating the Team Content and My Content folders, use the Smart Search functionality, run reports and dashboards, review object properties, interact with report versions, set personal preferences, subscribe to reports and use notifications.

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.

Audience:
- Authors

Prerequisites:
- None

v11

IBM Cognos Analytics Courses

SELF-PACED VIRTUAL COURSES

B5130G 🖥️

IBM Cognos for Microsoft Office: Integrate with Microsoft Office

This course teaches consumers how to import reports and report elements from IBM Cognos Analytics to Microsoft Excel, Microsoft PowerPoint, and Microsoft Word. Students will learn how to publish IBM Cognos-enabled workbooks, presentations, and documents.

Audience:
- Consumers

Prerequisites:
- Familiarity with Windows OS, and a web browser
- Knowledge of DB2

B5231G 🖥️

IBM Cognos BI Event Studio: Create and Run Agents

This course introduces students to basic Event Studio techniques, including how to run and create agents to monitor events through a business life-cycle.

Audience:
- Authors

Prerequisites:
- Familiarity with Windows OS, and a web browser
- Knowledge of DB2

B6025G 🖥️

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 🖥️

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:
- Open

Prerequisites:
- None

B6089G

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, customize content and presentation.

Audience:
- Analysts and business users

Prerequisites:
- Experience using Microsoft Excel

B6090G

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

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

IBM BUSINESS INTELLIGENCE v10.2.2

AVAILABLE TRAINING FORMATS:

In-Class

Instructor-Led-Online

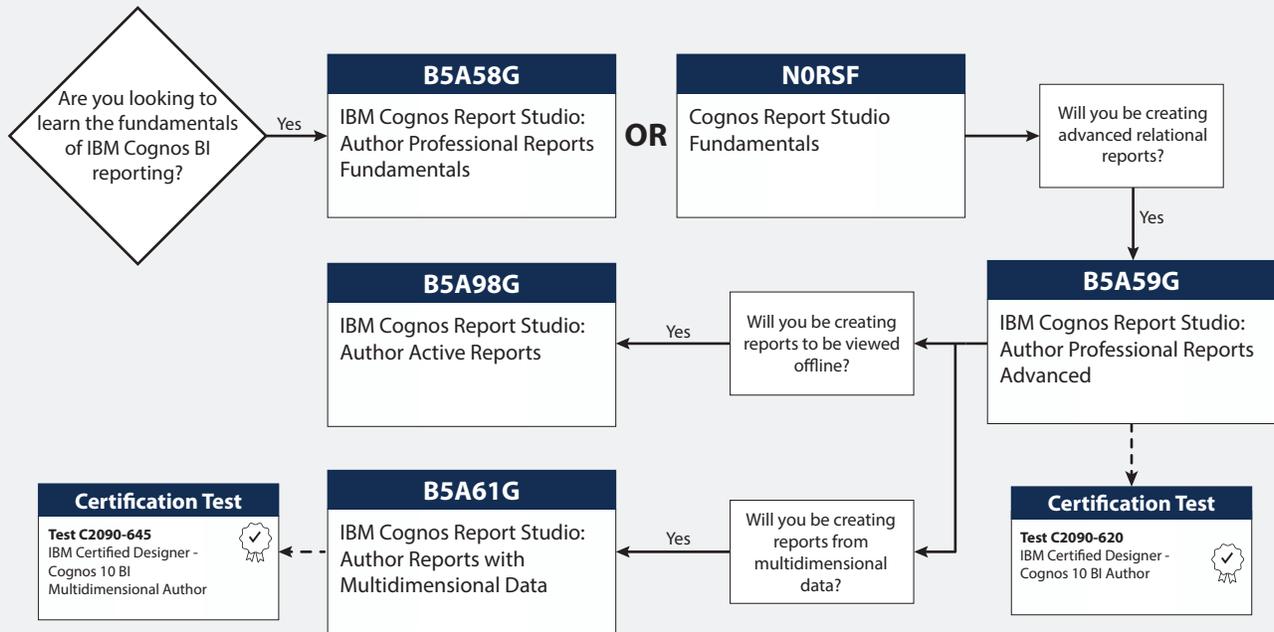**Self-Paced Virtual Courses**

Customized

Beyond April 2018, IBM will offer extended and continuing support options for Cognos Business Intelligence 10.2.x.
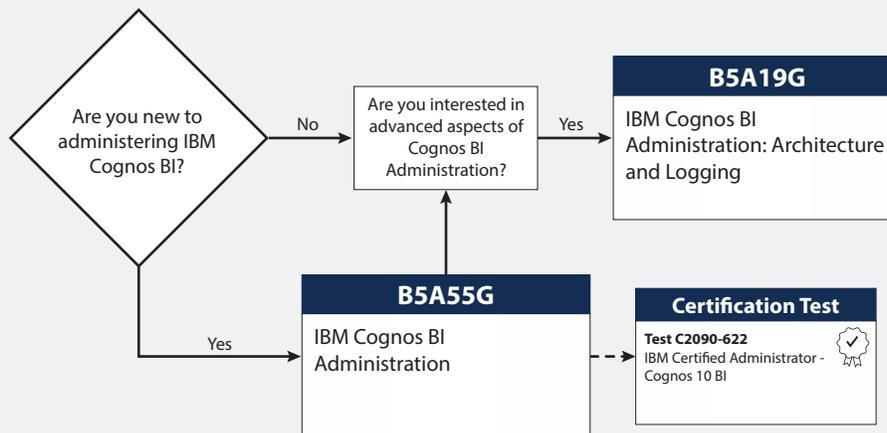
PROFESSIONAL AUTHOR

Build Professional Reports & Analyze Data: As a professional author, you are responsible for creating and maintaining all types of BI content for a variety of audiences. Use this journey to develop your report developer skills in Report Studio with advanced query, extensive formatting capabilities, and distribution capabilities.

Are you looking to learn the fundamentals of IBM Cognos BI reporting? — Yes →

B5A58G
IBM Cognos Report Studio: Author Professional Reports Fundamentals

OR

N0RSF
Cognos Report Studio Fundamentals

Will you be creating advanced relational reports? — Yes ↓

B5A59G
IBM Cognos Report Studio: Author Professional Reports Advanced

B5A98G
IBM Cognos Report Studio: Author Active Reports

← Yes — Will you be creating reports to be viewed offline?

Certification Test
Test C2090-620
IBM Certified Designer - Cognos 10 BI Author

Certification Test
Test C2090-645
IBM Certified Designer - Cognos 10 BI Multidimensional Author

B5A61G
IBM Cognos Report Studio: Author Reports with Multidimensional Data

← Yes — Will you be creating reports from multidimensional data?

ADMINISTRATOR

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

Are you new to administering IBM Cognos BI? — No →

Are you interested in advanced aspects of Cognos BI Administration? — Yes →

B5A19G
IBM Cognos BI Administration: Architecture and Logging

— Yes ↓

B5A55G
IBM Cognos BI Administration

Certification Test
Test C2090-622
IBM Certified Administrator - Cognos 10 BI

BUSINESS AUTHOR

Build Ad-Hoc Reports & Analyze Data: This role is aimed for non-technical business users and analysts who need to view scheduled reports, run reports interactively and create new ad-hoc queries. Use this journey to develop your skills to be self-sufficient in your enterprise BI environment.
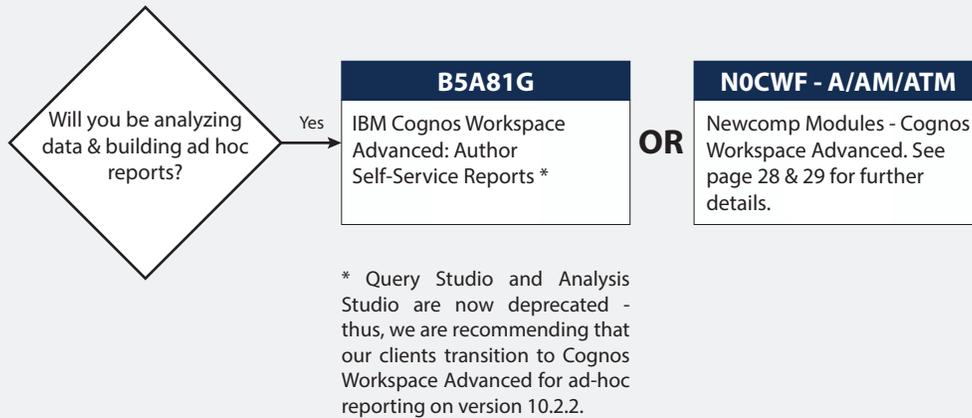
Will you be analyzing data & building ad hoc reports?

Yes →

B5A81G
IBM Cognos Workspace Advanced: Author Self-Service Reports *

OR

N0CWF - A/AM/ATM
Newcomp Modules - Cognos Workspace Advanced. See page 28 & 29 for further details.

* Query Studio and Analysis Studio are now deprecated - thus, we are recommending that our clients transition to Cognos Workspace Advanced for ad-hoc reporting on version 10.2.2.

PROJECT MANAGER

Manage Business Projects: As a project manager, you are responsible for managing the BI project from the initiation phase to project completion. Use this journey to learn the process of creating a BI solution, the underlying architecture and how the IBM implementation methodology complements top project management methodologies.

B5A70G
Essentials for IBM Cognos BI

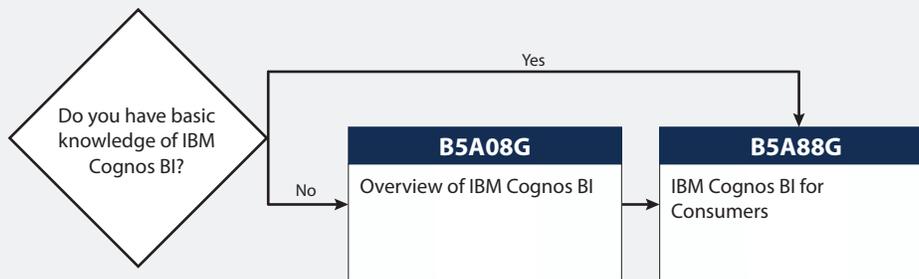newcomp **analytics** | IBM. Platinum Business Partner

DEVELOPER

Build Data Models, Cubes & Scorecards: As a developer, you are responsible for designing metadata models that enable your organization to build reports and analyze their data. Use this journey to develop your skills in building relational or multidimensional data models.

Will you be designing Dynamic Cubes? — Yes

B5A63G
IBM Cognos Cube Designer: Design Dynamic Cubes

Will you be designing OLAP models? — Yes

B5A82G
IBM Cognos Transformer: Design OLAP Models

Certification Test
Test C2090-635
IBM Certified Developer - Cognos 10 BI OLAP Models

Will you be creating PowerCubes? — Yes

B5169G
IBM Cognos Transformer: Create PowerCubes

B5A05G
Essentials for IBM Cognos BI: Supplement for Metadata Modelers

Will you be designing metadata models? — Yes

B5A52G
IBM Cognos Framework Manager: Design Metadata Models

OR

B5A70G
Essentials for IBM Cognos BI

Certification Test
Test C2090-632
IBM Certified Developer - Cognos 10 BI Metadata Models

CONSUMER

Consume Content in Cognos BI: As a Cognos BI consumer, you are familiar with accessing content, using reports, and creating dashboards.

Do you have basic knowledge of IBM Cognos BI?

Yes

No

B5A08G
Overview of IBM Cognos BI

B5A88G
IBM Cognos BI for Consumers

B5A08G

Overview of IBM Cognos Business Intelligence (BI) (1 day)

This course provides a high-level overview of the suite of products available under IBM Cognos BI and their underlying architectures. Students will examine each IBM Cognos BI component related to the comprehensive Smarter Analytics solution, and have access to a range of other resources with additional information on each product.

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

Prerequisites:
- An understanding of your organization's business intelligence process and reporting needs
- Experience using a web browser and familiarity with Windows OS

B5A05G

Essentials for IBM Cognos BI: Supplement for Metadata Modelers (2 days)

This course outlines the remainder of the metadata modeling concepts found in the IBM Cognos Framework Manager: Design Metadata Models offering. This course will provide a complete overview of the metadata modeling process, from initial project creation, to publishing metadata to the web.

Audience:
- Developers, modelers, and application developers

Prerequisites:
- Knowledge of common industry-standard data structures and design
- Experience with SQL, gathering requirements and analyzing data
- B5A70G - Essentials for IBM Cognos BI (page 26) or equivalent experience

B5A19G

IBM Cognos BI Administration: Architecture and Logging (2 days)

This advanced course teaches administrators how to identify components of the IBM Cognos BI architecture, and how to troubleshoot issues using various tools and techniques. Administrators will examine how these components interact with Java, and will also explore how logging can assist with troubleshooting issues.

Audience:
- Administrators responsible for the IBM Cognos 10.2.2 BI environment

Prerequisites:
- B5A55G - IBM Cognos BI Administration (page 25) or equivalent experience

B5A52G

IBM Cognos Framework Manager: Design Metadata Models (5 days)

Developers will be introduced to advanced knowledge of metadata modeling concepts, including how to model metadata for predictive reporting and how to analyze results using Framework Manager. This course also covers the metadata modeling process, including initial project creation, publishing metadata to the web, and enabling end-users to author reports and analyze data.

Audience:
- Developers

Prerequisites:
- Knowledge of common industry standard data structures and design
- Experience with SQL and gathering requirements and analyzing data

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B5A55G

IBM Cognos BI Administration (3 days)

This course teaches administrators the fundamental tasks of installing and configuring IBM Cognos BI and administering servers and content in the environment. Administrators will implement security, manage the server components, monitor and schedule tasks, create data sources, as well as manage and deploy content in IBM Cognos Connection and Administration.

Audience:
- Administrators

Prerequisites:
- Knowledge of web application server architectures *(recommended)*
- Knowledge of security systems administration *(recommended)*

B5A58G

IBM Cognos Report Studio: Author Professional Reports Fundamentals (3 days)

Professional report authors will learn report-building techniques using relational data models, including methods to enhance, customize, and manage professional reports.

Audience:
- Professional report authors

Prerequisites:
- None

B5A59G

IBM Cognos Report Studio: Author Professional Reports - Advanced (2 days)

This course will expose professional report authors to advanced report-building techniques using relational data models, including ways to enhance, customize, and manage professional reports.

Audience:
- Professional report authors using relational data sources to build reports

Prerequisites:
- Basic knowledge of SQL, XML *(recommended)*
- B5A58G - IBM Cognos Report Studio: Author Professional Reports Fundamentals (page 25) or equivalent experience

B5A61G

IBM Cognos Report Studio: Author Professional Reports with Multidimensional Data (2 days)

This course teaches professional report authors how to apply dimensional techniques to reports. Students will learn how to author reports that navigate and manipulate dimensional data structures, using specific dimensional functions and features in IBM Cognos Report Studio.

Audience:
- Professional report authors using dimensional data sources to build reports

Prerequisites:
- B5A58G - IBM Cognos Report Studio: Author Professional Reports Fundamentals (page 25) or equivalent experience

v10.2.2

IBM Cognos Business Intelligence Courses

B5A63G
IBM Cognos Cube Designer: Design Dynamic Cubes (2 days)

This intermediate course provides data modelers with introductory to advanced knowledge of how to model metadata for predictable reporting and results analysis using IBM Cognos Cube Designer. Students will learn the full scope of the metadata modeling process, from initial project creation and publishing dynamic cubes, to enabling end-users to easily author reports and analyze data.

Audience:
- Data modelers

Prerequisites:
- Knowledge of dimensional modeling and design
- Experience using IBM Cognos Connection and Administration

B5A70G
Essentials for IBM Cognos BI (5 days)

This accelerated course offering is designed to help project team members gain a broad understanding of an IBM Cognos BI implementation process, covering three essential topic areas: modeling, report authoring, and administration. Students will be guided to more in-depth training offerings and paths leading to certification, with an option to purchase additional eLearning modules. *Please contact the Newcomp Training Team for details regarding the additional eLearning modules.*

Audience:
- Core project team members: project managers, technical analysts, and developers

Prerequisites:
- Experience using a web browser and familiarity with Windows OS

B5280G
IBM Cognos Data Manager: Build Data Marts with Enterprise Data (5 days)

This course teaches developers how to move, merge, consolidate, and transform data from a range of data sources to build and maintain data marts. Students will create a catalog, add connections to data sources and targets, and use the dimensional framework to deliver fact and dimension data to a data mart. Students will also learn how to automate common functionality and handle unbalanced hierarchical structures.

Audience:
- Developers

Prerequisites:
- Knowledge of database and dimensional analysis concepts, working knowledge of SQL

Please note that IBM has transitioned DataManager licenses to the IBM InfoSphere DataStage product, and is recommending that DataManager clients migrate to DataStage. Please reach out to us about our migration services from DataManager to DataStage.

B5A81G
IBM Cognos Workspace Advanced: Author Self-Service Reports (2 days)

This course teaches business authors how to use IBM Cognos Workspace Advanced to create ad hoc reports with relational and dimensional data.

Audience:
- Business authors looking to build ad hoc reports

Prerequisites:
- None

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B5A82G

IBM Cognos Transformer: Design OLAP Models (4 days)

This course provides an overview of Online Analytical Processing (OLAP) modeling concepts using Transformer. Students will learn how to design, build, and maintain IBM Cognos PowerCubes for use in IBM Cognos BI so that end-users can easily analyze data.

Audience:
- Developers looking to design OLAP models for use in IBM Cognos BI

Prerequisites:
- Understanding of business needs for ad hoc queries and analysis
- Experience gathering requirements and analyzing data
- B5A58G - IBM Cognos Report Studio: Author Professional Reports Fundamentals (page 25) or equivalent experience *(recommended)*

B5A98G

IBM Cognos Report Studio: Author Active Reports (1 day)

This course covers how to incorporate interactivity and disconnected functionality to reports using active report controls. Students will learn how to author reports with interactive content, as well as reports optimized to work on mobile devices or in disconnected environments.

Audience:
- Professional report authors looking to create interactive and disconnected reports

Prerequisites
- Basic understanding of IBM Cognos Report Studio and report authoring
- B5A58G - IBM Cognos Report Studio: Author Professional Reports Fundamentals (Page 25) *(recommended)*

N0CCF

Cognos Connection (1/2 day)

This course introduces students to the basics of IBM Cognos Connection: the portal to your enterprise's IBM Cognos BI content and data. Students will learn how to navigate the public and private areas of IBM Cognos Connection and set preferences, as well as how to run, personalize, and schedule existing reports. This course also introduces pages, dashboard, and portal tabs.

Audience:
- All Cognos BI users

Prerequisites:
- None

N0QSF

Cognos Query Studio (1 day)

This course provides students with an overview of report creation in IBM Cognos Query Studio, including how to arrange content in both list and crosstab layouts and apply filters and sorts to the report data. Students will also learn how to add easy-to-create calculations that provide additional insight and apply conditional formatting to the numeric data in their reports.

Audience:
- Business authors

Prerequisites:
- None

Query Studio is now deprecated - thus, we are recommending that our clients transition to Cognos Workspace Advanced for ad-hoc reporting on version 10.2.2.

N0ASF

Cognos Analysis Studio (1 day)

This course introduces business authors to general dimensional concepts (dimensions, cubes, measures) before teaching them how to manipulate multidimensional data in the studio. Simple techniques such as drilling, swapping, filtering, and nesting will be covered before moving on to more advanced analysis features such as stacking, navigating levels and creating asymmetric crosstabs. Students will also learn about custom sorting and the creation of summary and item-based calculations to extend the user's analysis.

Audience:
- Business authors

Prerequisites:
- None

Analysis Studio is now deprecated - thus, we are recommending that our clients transition to Cognos Workspace Advanced for ad-hoc reporting on version 10.2.2.

N0RSF

Cognos Report Studio Fundamentals (2 days)

This course introduces professional report authors to the fundamentals of IBM Cognos Report Studio, focusing on relational data, lists, crosstabs and charts as well as interactive features like prompts and report-to-report drill through. During the course, professional report authors will also learn how to add advanced formatting to the objects in their reports and how to apply conditional styles and rendering.

Audience:
- Professional report authors

Prerequisites:
- None

N0CWF

Cognos Workspace (1/2 day)

This course teaches business authors to assemble and share workspaces of content from their IBM Cognos BI environment. Business authors will also learn to arrange and personalize content in an intuitive and interactive manner using Widgets, without requiring IT assistance. More specifically, students will create new calculations, add comments and annotations, and modify the formats and visualizations of the widgets.

Audience:
- Business authors

Prerequisites:
- None

N0CWF-A

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

This course introduces IBM Cognos Workspace Advanced - a tool designed to combine the features of IBM Cognos Query Studio, Analysis Studio, and Report Studio Express, to eliminate "studio hopping" for users that require a variety of reporting techniques and functions. Students will build reports from relational and dimensional data packages, and learn how to leverage both types of data sources.

Audience:
- Business authors

Prerequisites:
- None

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N0CWF-AM

Cognos Workspace Advanced with Cognos PowerCubes (2 days)

This course introduces IBM Cognos Workspace Advanced- a tool designed to combine the features of IBM Cognos Query Studio, Analysis Studio, and Report Studio Express, to eliminate "studio hopping." Students will build reports from dimensional data packages and learn how to leverage IBM Cognos PowerCubes as a data source.

Audience:
- Business authors

Prerequisites:
- None

N0CWF-ATM

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

This course introduces IBM Cognos Workspace Advanced- a tool designed to combine the features of IBM Cognos Query Studio, Analysis Studio, and Report Studio Express, to eliminate "studio hopping" for users who require a variety of reporting techniques and functions. Students will build reports from TM1 Cubes and learn IBM Cognos Workspace Advanced features designed to leverage TM1 as a data source.

Audience:
- Business authors

Prerequisites:
- None

EM4BI

Esri Maps for IBM Cognos (2 days)

This course covers an overview of Esri Maps for IBM Cognos, including key features and benefits, creating Report Studio reports with Esri Maps, and manipulating data. Students will be introduced to location analytics, and learn how to gain additional insight into IBM Cognos Reports using Esri mapping.

Audience:
- Individuals who want to use Esri mapping with IBM Cognos reporting

Prerequisites:
- None

v10.2.2

IBM Cognos Business Intelligence Courses

SELF-PACED VIRTUAL COURSES

B5129G 🖥

IBM Cognos Metric Studio: Manage Business Performance

This course teaches consumers how to monitor the performance of an organization using scorecards, including how to access scorecards, navigate metrics and metric types, create projects and actions, and customize the Metric Studio environment to make it easier to monitor team/organizational performance.

Audience:
- Scorecard consumers

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

B5169G 🖥

IBM Cognos Transformer: Create PowerCubes

This course covers how to define a PowerCube and the OLAP cube structure. Students will learn how to create dimensions and levels, build PowerCubes for use in IBM Cognos BI and easily analyze data by creating a simple analysis in IBM Cognos Analysis Studio.

Audience:
- Developers who design OLAP models for use in IBM Cognos BI

Prerequisites:
- None

B5A83G 🖥

IBM Cognos Workspace Advanced: Introduction

This course introduces students to the skills they will need to use IBM Cognos Workspace Advanced to create effective reports with relational and dimensional data. This course will present topics related to creating reports, sorting, and filtering data with IBM Cognos Workspace Advanced.

Audience:
- Business authors

Prerequisites:
- Working knowledge of IBM Cognos Connection *(recommended)*

B5A88G 🖥

IBM Cognos BI for Consumers

This course teaches students how to access reports, create report views, schedule reports and run reports with options. Students will learn how to take action on BI events by creating tasks and notifications, as well as how to generate, view, manage, comment, set alerts on, and create watch rules for events and saved output. Additionally, this course will teach students how to personalize the appearance of IBM Cognos Connection, and how to create dynamic dashboards.

Audience:
- Open

Prerequisites:
- None

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IBM PERFORMANCE MANAGEMENT

AVAILABLE TRAINING FORMATS:

In-Class

Instructor-Led-Online

Self-Paced Virtual Courses

Customized

IBM PLANNING ANALYTICS

THE SPEED, AGILITY AND FORESIGHT YOU NEED
TO DRIVE YOUR BUSINESS FORWARD

IBM Planning Analytics (formerly known as IBM Cognos TM1) is a fast, flexible and complete planning and analytics solution for corporate-wide performance management. IBM Planning Analytics speeds decision making by automating essential planning, budgeting and forecasting processes, and allows you to quickly adapt budgets, forecasts and plans to changing business conditions. With guided modeling and compelling visualizations, users can now explore and gain insight from internal and external data and anticipate the future with confidence.

KEY FEATURES

REPORTING & VISUALIZATION

- Creates compelling visualizations automatically
- Self-service dashboards and scorecarding
- Detailed what-if analysis
- Delivers consistent view of KPIs
- Story-Telling capabilities
- Guided data exploration

DATA MODELING

- Offers guided modeling & data management
- Offers guided application design and deployment
- Integrates multiple data sources
- Multidimensional analysis
- Statistical analysis and predictive capabilities of Watson Analytics

PLANNING ANALYTICS WORKSPACE

- Interactive and customizable workspace
- Full Microsoft Excel functionality
- Instant contextual collaboration
- Supports natural language searching
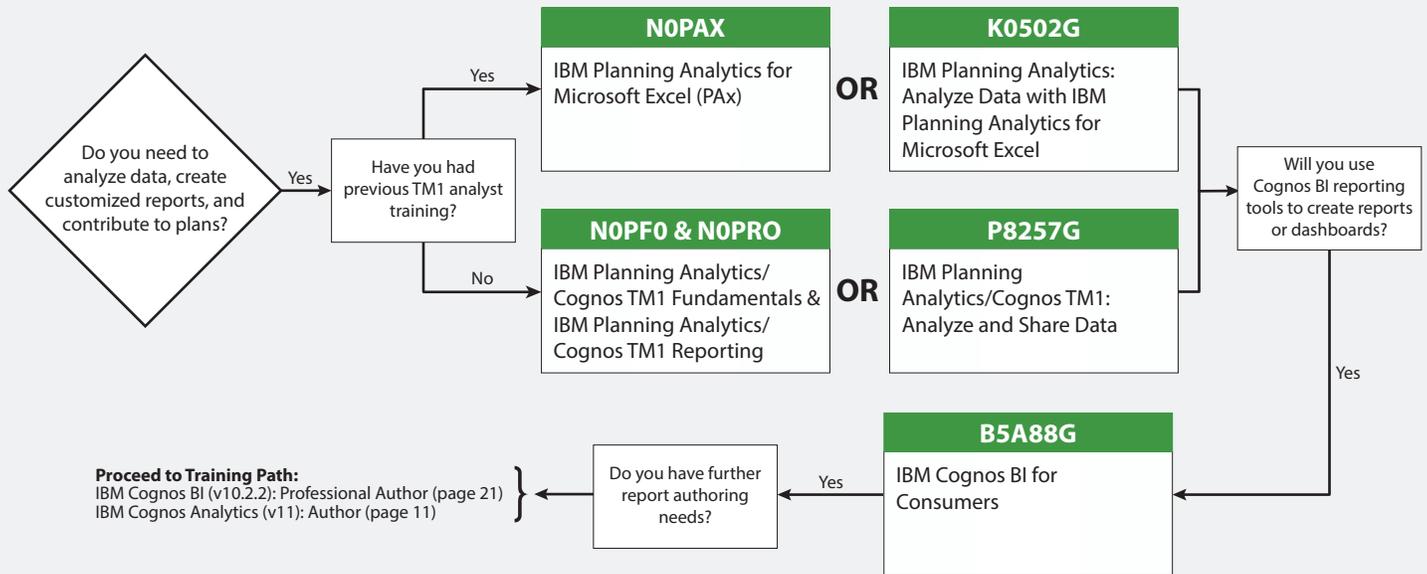- Multidimensional expressions-based (MDX) queries

CLOUD & ON-PREMISE

- Ability to run both on cloud and on-premise
- Faster ROI
- Simple licensing structure
- Potential for truly integrated analytics across IBM & third-party clouds
- Improved accessibility that is technology and device agnostic

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IBM PLANNING ANALYTICS/IBM COGNOS TM1
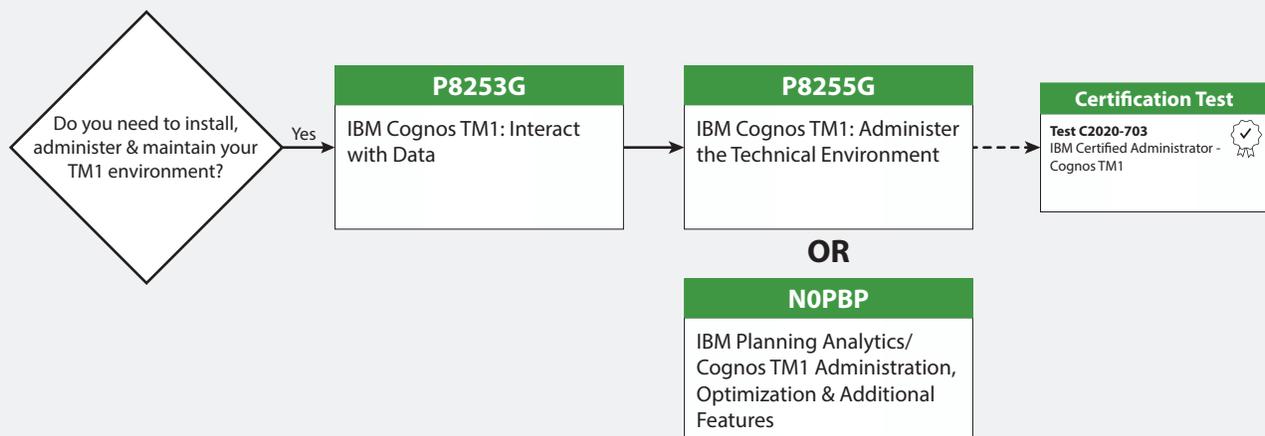
ANALYST

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.

Do you need to analyze data, create customized reports, and contribute to plans? **Yes**

Have you had previous TM1 analyst training?

Yes

N0PAX
IBM Planning Analytics for Microsoft Excel (PAx)

OR

K0502G
IBM Planning Analytics: Analyze Data with IBM Planning Analytics for Microsoft Excel

No

N0PF0 & N0PRO
IBM Planning Analytics/ Cognos TM1 Fundamentals & IBM Planning Analytics/ Cognos TM1 Reporting

OR

P8257G
IBM Planning Analytics/Cognos TM1: Analyze and Share Data

Will you use Cognos BI reporting tools to create reports or dashboards?

Yes

B5A88G
IBM Cognos BI for Consumers

Do you have further report authoring needs? **Yes**

Proceed to Training Path:
IBM Cognos BI (v10.2.2): Professional Author (page 21)
IBM Cognos Analytics (v11): Author (page 11)

ADMINISTRATOR

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

Do you need to install, administer & maintain your TM1 environment? **Yes**

P8253G
IBM Cognos TM1: Interact with Data

P8255G
IBM Cognos TM1: Administer the Technical Environment

Certification Test
Test C2020-703
IBM Certified Administrator - Cognos TM1

OR

N0PBP
IBM Planning Analytics/ Cognos TM1 Administration, Optimization & Additional Features

IBM PLANNING ANALYTICS/IBM COGNOS TM1

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/Cognos TM1 platform.

In addition to modeling, do you need to create reports, templates, and analyses for others?

Yes →

P8257G
IBM Planning Analytics/Cognos TM1: Analyze and Share Data

OR

N0PF0 & N0PRO
IBM Planning Analytics/Cognos TM1 Fundamentals & IBM Planning Analytics/Cognos TM1 Reporting

No →

P8253G
IBM Cognos TM1: Interact with Data

Do you need to create scorecarding solutions?

Yes →

P8259G
IBM Planning Analytics/Cognos TM1: Create Scorecards

No ↓

Are you working with a model developed using Performance Modeler or Architect?

Performance Modeler →

P8352G
IBM Planning Analytics: Design and Develop Models in Performance Modeler

Architect ↓

Newcomp TM1 Modules
IBM Planning Analytics/Cognos TM1: N0PF0, N0PR0, N0PCR, N0TI0, N0PBP

OR

P8361G
IBM Planning Analytics: Design and Develop Models in Architect

Are you looking to further your skills in IBM Planning Analytics?

Yes ↓

N0PAW
IBM Planning Analytics: Building Dashboards in Workspace

OR

K0501G
IBM Planning Analytics: Analyze Data with IBM Planning Analytics Workspace

N0PAX
IBM Planning Analytics for Microsoft Excel (PAx)

OR

K0502G
IBM Planning Analytics: Analyze Data with IBM Planning Analytics for Microsoft Excel

PAITM
IBM Planning Analytics: Intermediate Training

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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 how to secure TM1 applications and monitor system performance.

Audience:
- Administrators

Prerequisites:
- Basic knowledge of OLAP, IBM Planning Analytics/Cognos TM1, and networking
- P8253G - IBM Planning Analytics/Cognos TM1: Interact with Data (page 39) 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.

Audience:
- Analysts

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

P8259G

IBM Planning Analytics/Cognos TM1: Create Scorecards (1 day)

This course covers how to create scorecarding solutions in IBM Cognos TM1. Students will learn how to create all of the necessary scorecarding objects such as metrics cubes, diagrams, and maps, deploy the solution to the web for end-user consumption, and create an engaging dashboard presentation for the solution.

Audience:
- Developers

Prerequisites:
- Familiarity with Windows OS, 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 TM1

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

IBM Performance Management Courses

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 TM1

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

N0PF0

IBM Planning Analytics/Cognos TM1 Fundamentals (1 day)

This course introduces students to objects, concepts and techniques essential to building and maintaining IBM Cognos 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/Cognos TM1

Prerequisites:
- None

N0PR0

IBM Planning Analytics/Cognos TM1 Reporting (1 day)

This course introduces a number of IBM Cognos TM1's 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/Cognos TM1 Fundamentals (page 36) or equivalent experience

N0PCR

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

This course introduces students to the fundamentals of writing IBM Cognos 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/Cognos TM1 Fundamentals (page 36) or equivalent experience

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N0TI0

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

This course introduces IBM Cognos TM1's 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 a TM1 project

Prerequisites:
- N0PF0 – IBM Planning Analytics/Cognos TM1 Fundamentals (page 36) or equivalent experience

N0PBP

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

This course covers the administration side of IBM Cognos 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/Cognos TM1 Fundamentals (page 36) or equivalent experience

N0PAW

IBM Planning Analytics: Building Dashboards in Workspace (1 day)

This course introduces Planning Analytics Workspace: 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 Planning Analytics environment

Prerequisites:
- N0PF0 - IBM Planning Analytics/Cognos TM1 Fundamentals (page 36) or familiarity with basic TM1 functionality

N0PAX

IBM Planning Analytics for Microsoft Excel (PAx) (1 day)

This course introduces IBM Planning Analytics for Microsoft Excel (PAx): IBM Cognos TM1's 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/Cognos TM1 Fundamentals (page 36) or equivalent experience
- Familiarity with basic Microsoft Excel functionality

IBM Performance Management Courses

PAITM

IBM Planning Analytics: Intermediate Training (5 days)

This course is designed for both developers and front-end users 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. Students will participate in hands-on exercises that illustrate key concepts while building their knowledge of IBM Planning Analytics.

Audience:
- Developers and front-end users who would like to gain a deeper understanding of IBM Planning Analytics

Prerequisites:
- TM1 Fundamentals training (Newcomp Analytics' five TM1 Training Modules or the IBM comparable course), or equivalent TM1 training and experience

SELF-PACED VIRTUAL COURSES

K0501G

IBM Planning Analytics: 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 the fundamental terms and concepts used in IBM Planning Analytics, such as what is a cube, a view, a dimension and a set

K0502G

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 fundamental concepts is required

P8253G

IBM Cognos TM1: Interact with Data

This course teaches contributors how to connect 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.

Audience:
- Contributors

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

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 Performance Management Courses

IBM INFORMATION MANAGEMENT

AVAILABLE TRAINING FORMATS:

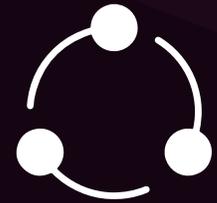In-Class

Instructor-Led-Online

Self-Paced Virtual Courses

Customized

IBM INFORMATION MANAGEMENT

THE FLEXIBILITY YOU NEED TO INTEGRATE, CLEAN AND MANAGE YOUR DATA

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. IBM's InfoSphere Information Server has the flexibly to meet unique information integration requirements including data integration, data quality and data governance.

KEY PRODUCTS

INFOSPHERE INFORMATION SERVER

- Highly scalable data integration platform
- Near real-time integration of all types of data
- Define a common business language for your data
- Improve integration with related products
- Deployable both on-premises or on the cloud

INFORMATION GOVERNANCE CATALOG

- Establish a common business language
- Manage and explore data lineage to create trusted information
- Support data governance and compliance efforts
- Provide a solid foundation for different types of information integration and governance projects

INFOSPHERE DATASTAGE

- Collect, integrate and transform large volumes of data
- Directly access big data & Hadoop
- Near real-time data integration and connectivity
- Optimize hardware utilization and prioritize mission-critical tasks
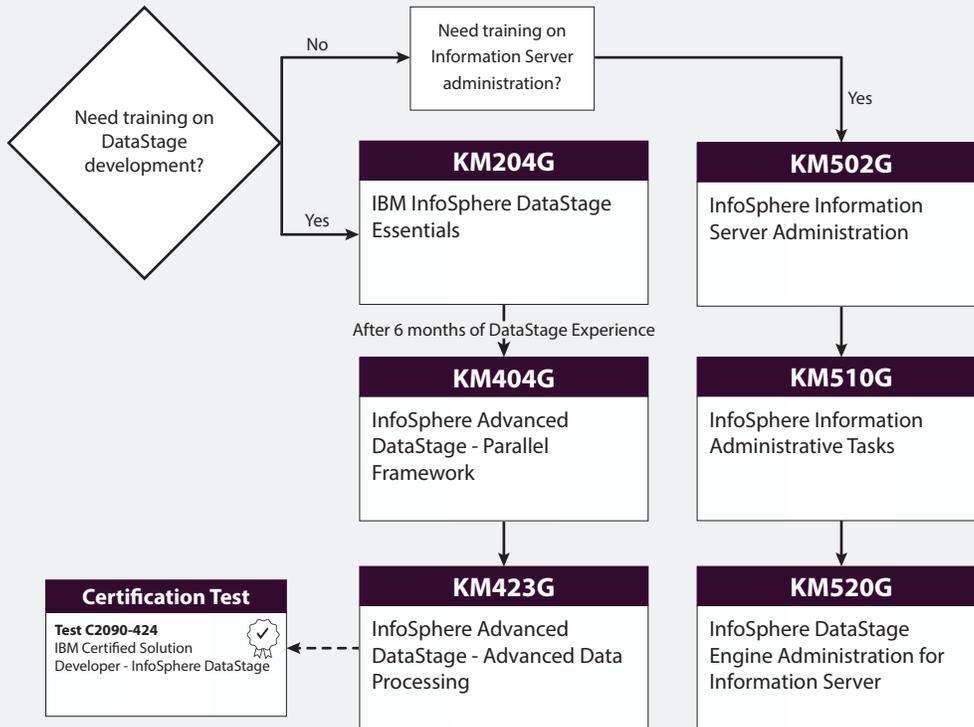
INFOSPHERE QUALITYSTAGE

- Data profiling, standardization, probabilistic matching and data enrichment
- Create and maintain consistent views of key entities
- Validate and monitor data in motion
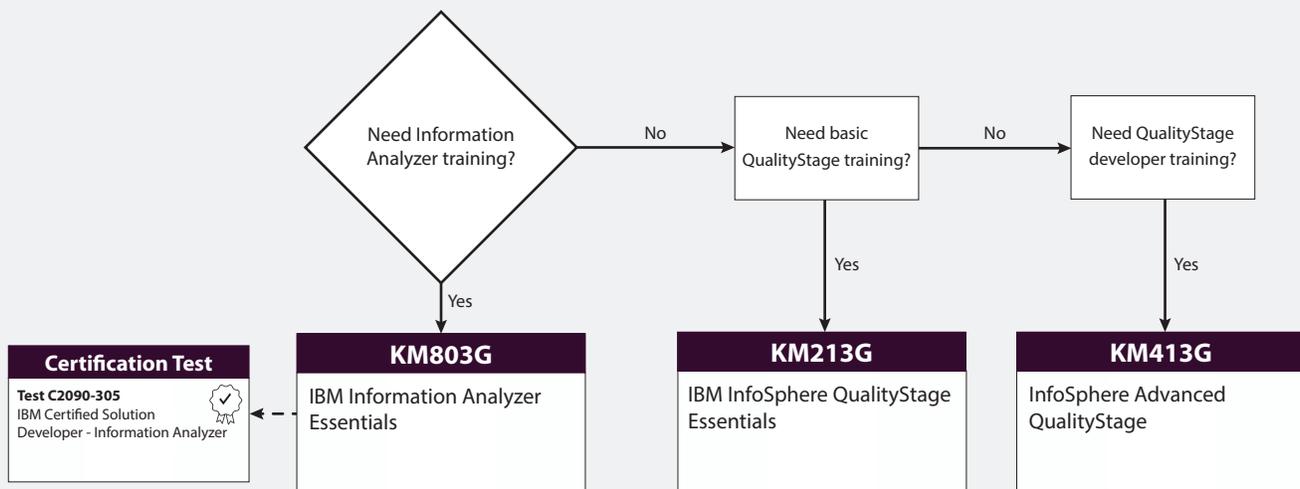- Graphical user interface for specifying automated data quality processes

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 traditional scalable data warehouse or big data platform.

Need training on DataStage development?

No → Need training on Information Server administration?

Yes →

KM204G
IBM InfoSphere DataStage Essentials

KM502G
InfoSphere Information Server Administration

After 6 months of DataStage Experience

KM404G
InfoSphere Advanced DataStage - Parallel Framework

KM510G
InfoSphere Information Administrative Tasks

Certification Test

Test C2090-424
IBM Certified Solution Developer - InfoSphere DataStage

KM423G
InfoSphere Advanced DataStage - Advanced Data Processing

KM520G
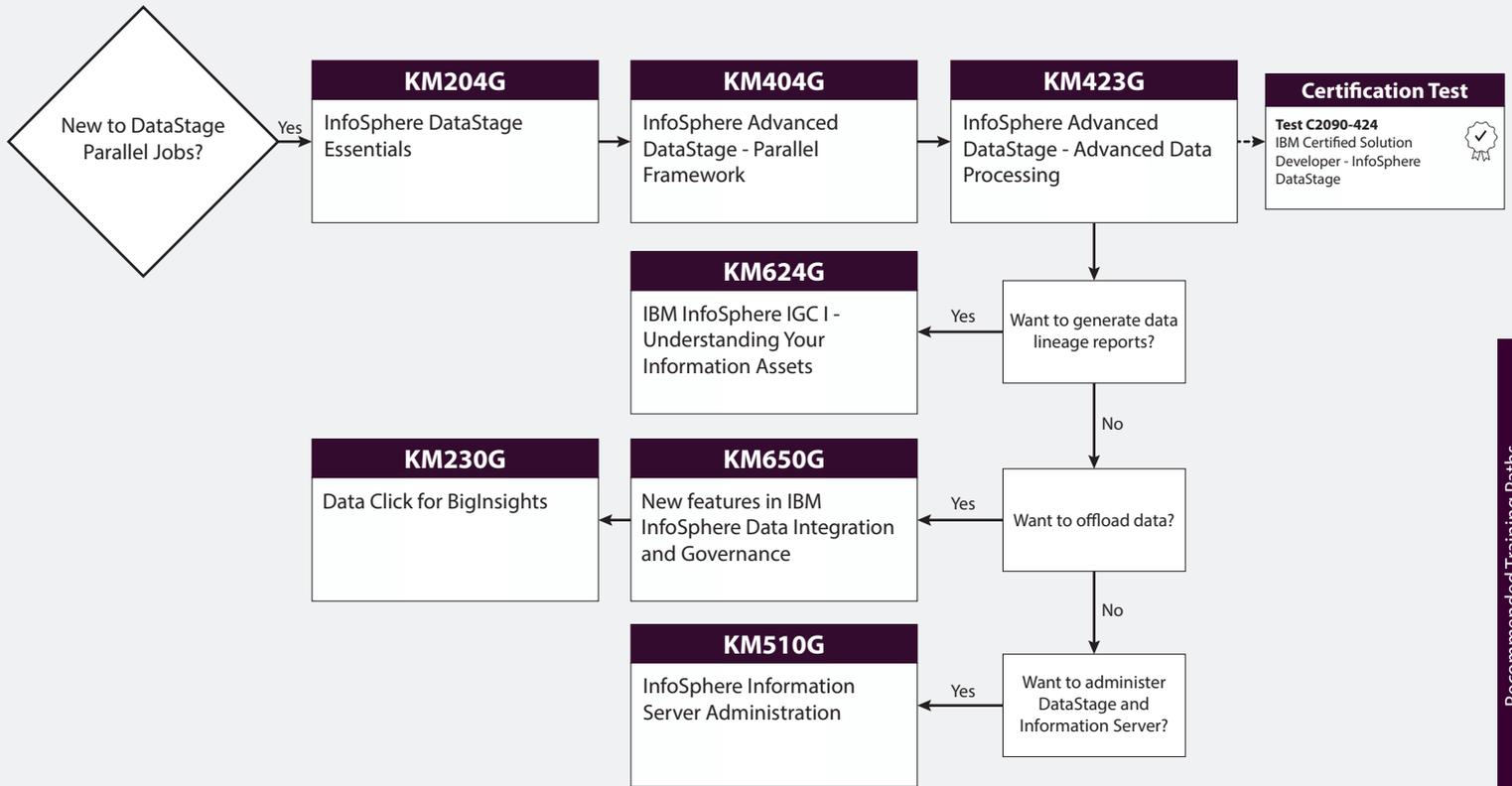InfoSphere DataStage Engine Administration for Information Server

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 with the IBM Infosphere platform.

Need Information Analyzer training?

No → Need basic QualityStage training?

No → Need QualityStage developer training?

Yes ↓ Yes ↓ Yes ↓

Certification Test

Test C2090-305
IBM Certified Solution Developer - Information Analyzer

KM803G
IBM Information Analyzer Essentials

KM213G
IBM InfoSphere QualityStage Essentials

KM413G
InfoSphere Advanced QualityStage

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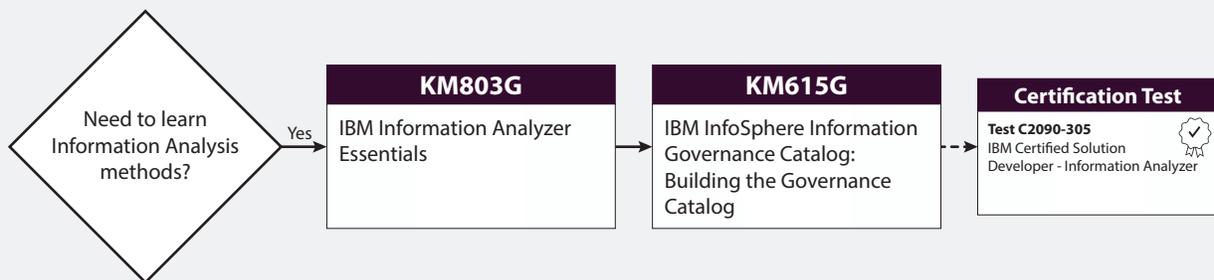
DATA INTEGRATION DEVELOPER

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.

New to DataStage Parallel Jobs? — Yes →

KM204G
InfoSphere DataStage Essentials

→ **KM404G**
InfoSphere Advanced DataStage - Parallel Framework

→ **KM423G**
InfoSphere Advanced DataStage - Advanced Data Processing

→ **Certification Test**
Test C2090-424
IBM Certified Solution Developer - InfoSphere DataStage

KM624G
IBM InfoSphere IGC I - Understanding Your Information Assets

← Yes — Want to generate data lineage reports?

No ↓

KM230G
Data Click for BigInsights

← **KM650G**
New features in IBM InfoSphere Data Integration and Governance

← Yes — Want to offload data?

No ↓

KM510G
InfoSphere Information Server Administration

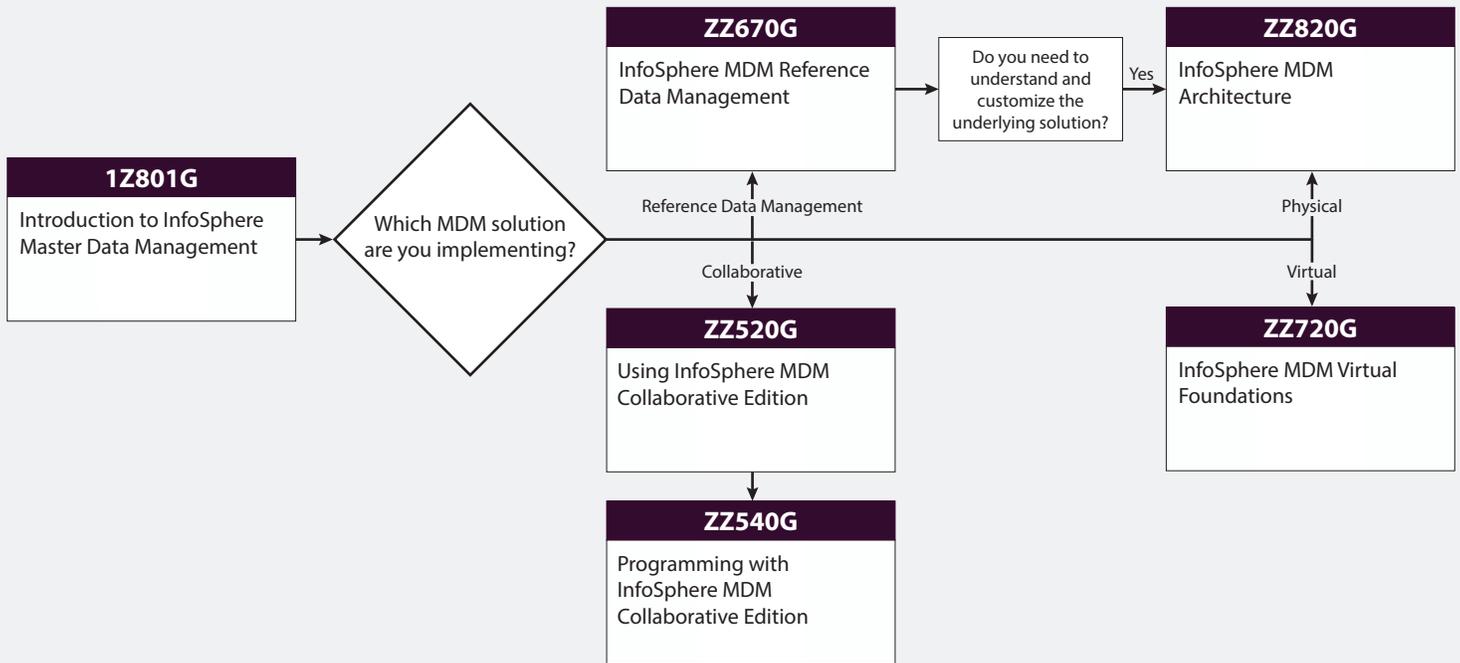← Yes — Want to administer DataStage and Information Server?

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.

Need to learn Information Analysis methods? — Yes →

KM803G
IBM Information Analyzer Essentials

→ **KM615G**
IBM InfoSphere Information Governance Catalog: Building the Governance Catalog

→ **Certification Test**
Test C2090-305
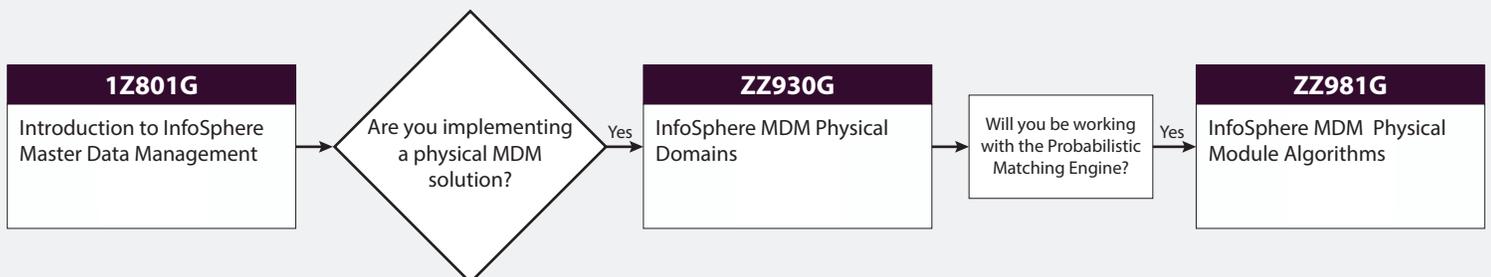IBM Certified Solution Developer - Information Analyzer

INFOSPHERE MDM ARCHITECT

Implement Solutions: As an InfoSphere Master Data Management 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 how to set up the infrastructure to fit your organization's business requirements.

ZZ670G
InfoSphere MDM Reference Data Management

Do you need to understand and customize the underlying solution?

ZZ820G
InfoSphere MDM Architecture

Yes

1Z801G
Introduction to InfoSphere Master Data Management

Which MDM solution are you implementing?

Reference Data Management

Physical

Collaborative

Virtual

ZZ520G
Using InfoSphere MDM Collaborative Edition

ZZ720G
InfoSphere MDM Virtual Foundations

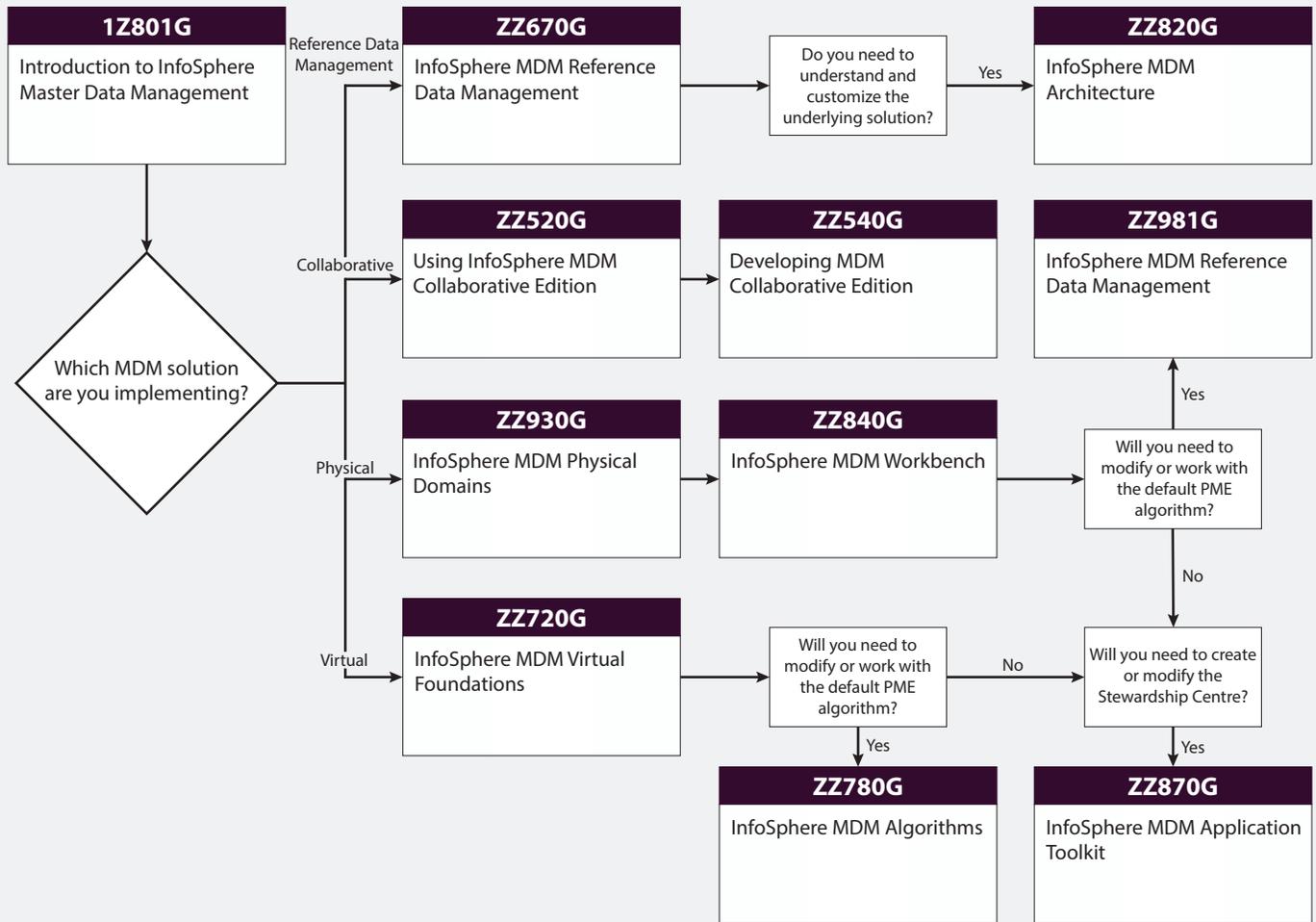| ZZ540G |
| --- |
| Programming with InfoSphere MDM Collaborative Edition |

INFOSPHERE MDM BUSINESS SPECIALIST

Implement Customization: As an InfoSphere MDM business specialist implementing physical solutions, you are responsible for working with and customizing algorithm configurations deployed to the 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.

1Z801G
Introduction to InfoSphere Master Data Management

Are you implementing a physical MDM solution?

Yes

ZZ930G
InfoSphere MDM Physical Domains

Will you be working with the Probabilistic Matching Engine?

Yes

ZZ981G
InfoSphere MDM Physical Module Algorithms

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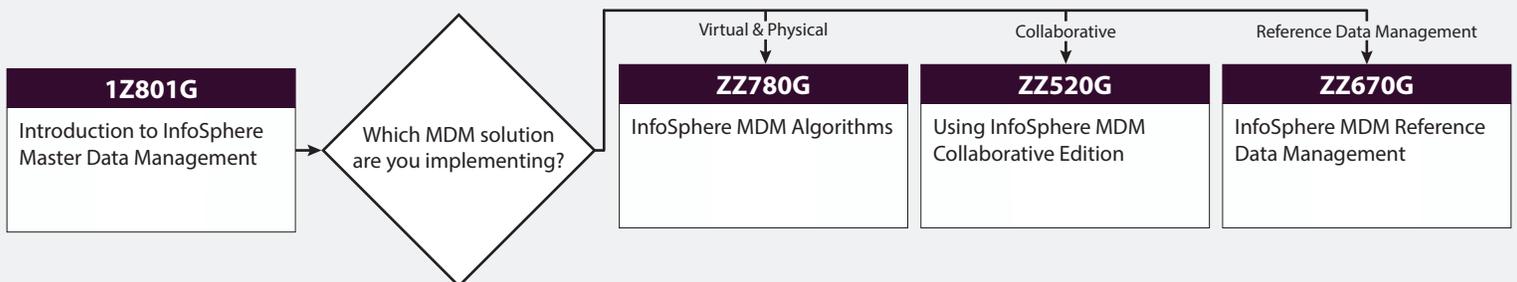
INFOSPHERE MDM TECHNICAL SPECIALIST

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

1Z801G
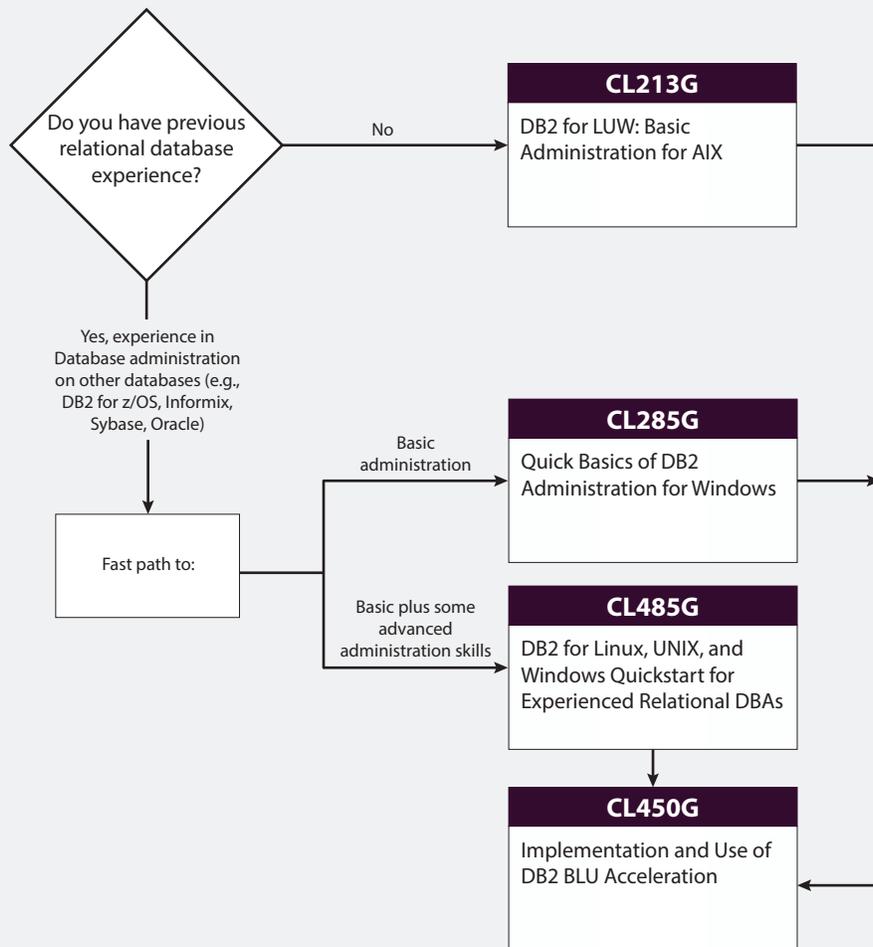Introduction to InfoSphere Master Data Management

Reference Data Management

ZZ670G
InfoSphere MDM Reference Data Management

Do you need to understand and customize the underlying solution? — Yes →

ZZ820G
InfoSphere MDM Architecture

Which MDM solution are you implementing?

Collaborative

ZZ520G
Using InfoSphere MDM Collaborative Edition

ZZ540G
Developing MDM Collaborative Edition

ZZ981G
InfoSphere MDM Reference Data Management

Physical

ZZ930G
InfoSphere MDM Physical Domains

ZZ840G
InfoSphere MDM Workbench

Will you need to modify or work with the default PME algorithm? — Yes ↑ / No ↓

Virtual

ZZ720G
InfoSphere MDM Virtual Foundations

Will you need to modify or work with the default PME algorithm? — No → / Yes ↓

Will you need to create or modify the Stewardship Centre? — Yes ↓

ZZ780G
InfoSphere MDM Algorithms

ZZ870G
InfoSphere MDM Application Toolkit

INFOSPHERE MDM DATA STEWARD

Govern Data: As an 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.

1Z801G
Introduction to InfoSphere Master Data Management

Which MDM solution are you implementing?

Virtual & Physical

ZZ780G
InfoSphere MDM Algorithms

Collaborative

ZZ520G
Using InfoSphere MDM Collaborative Edition

Reference Data Management

ZZ670G
InfoSphere MDM Reference Data Management

DATABASE ADMINISTRATION
DB2 BLU ACCELERATION

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

Do you have previous relational database experience?

No →

CL213G
DB2 for LUW: Basic Administration for AIX

Yes, experience in Database administration on other databases (e.g., DB2 for z/OS, Informix, Sybase, Oracle)

↓

Fast path to:

Basic administration →

CL285G
Quick Basics of DB2 Administration for Windows

Basic plus some advanced administration skills →

CL485G
DB2 for Linux, UNIX, and Windows Quickstart for Experienced Relational DBAs

↓

CL450G
Implementation and Use of DB2 BLU Acceleration

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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

CL285G 👤 🖥 🖥
Quick Basics of DB2 Administration for Windows (2 days)

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:
- DBAs and technical individuals

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

CL450G 👤 🖥 🖥
Implementation and Use of DB2 BLU Acceleration (1 day)

This course covers the implementation of DB2 BLU Acceleration and column-organized table support, for a new or existing DB2 database. Students will learn to describe how the column dictionaries used for DB2 BLU Acceleration are built and utilized to provide extreme compression for column-organized tables.

Audience:
- DB2 LUW experienced database administrators

Prerequisites:
- CL213G - DB2 for LUW: Basic Administration for AIX (page 47) or equivalent experience
- CL485G - DB2 for Linux, UNIX, and Windows Quickstart for Experienced Relational DBAs (page 47) or equivalent experience

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 DBAs 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

IBM Information Management Courses

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 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

KM230G
Data Click v10 for BigInsights (1 day)

This course covers Data Click functionality, including how to create and configure offload activities using Data Click Administrator, how to run these offload requests to move data into Hadoop, how Data Click works in conjunction with other components that come with Data Click to provide a complete end-to-end solution. Metadata Asset Manager is used to import the metadata for offload sources and targets into the metadata repository. The Information Governance Catalog is used to browse, query, and understand the data available for offloading. The Information Server Operations Console is used to monitor offload jobs after they are initiated.

Audience:
- Data scientists

Prerequisites:
- Familiarity with Hadoop, BigInsights, and/or DataStage would be helpful

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 48) or equivalent experience
- Minimum 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 48) 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 InfoSphere DataStage developers

Prerequisites:
- KM404G - IBM Infosphere Advanced DataStage: Parallel Framework (page 48) or equivalent experience

KM510G

IBM InfoSphere Information Server Administrative Tasks (1 day)

This course provides an overview of key administration features available in 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:
- Those administering 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 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:
- Information Server and InfoSphere DataStage administrators

Prerequisites:
- KM510G - IBM InfoSphere Information Server Administrative Tasks (page 49) or equivalent experience

IBM Information Management Courses

KM615G

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

This beginner course teaches students how to use the 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:
- Information Governance Catalog users

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

KM624G

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 Information Server repository using the Information Governance Catalog.

Audience:
- Information Governance Catalog users

Prerequisites:
- Familiarity with Windows OS and 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

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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 51) *(recommended)*
- Familiarity with eclipse based Integrated Development Environment
- 2-3 years of Java programming experience

ZZ610G

Data Model and Service Mapping for InfoSphere MDM Advanced Edition (3 days)

This course introduces Data Domains for InfoSphere Master Data Management Advanced Edition. Students will take 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:
- Infrastructure specialists, technical specialists, product consultants, support engineers, sales and marketing personnel, project managers, and system architects

Prerequisites:
- Students should have a high-level understanding of MDM Server or WebSphere Customer Center

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

IBM Information Management Courses

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 (2 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
- ZZ610G - Data Model and Service Mapping for InfoSphere MDM Advanced Edition (page 51)

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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 InfoSphere MDM Application Toolkit to build processes that involve the Physical or Virtual MDM

Prerequisites:
- 1Z801G - Introduction to InfoSphere Master Data Management (page 54) *(recommended)*

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 54) 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 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 InfoSphere MDM.

Prerequisites:
- 1Z801G - Introduction to InfoSphere Master Data Management (page 54)
- ZZ780G - InfoSphere MDM Algorithms (page 52)

IBM Information Management Courses

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 IBM's InfoSphere MDM offerings: Standard, Advanced, and Collaborative Editions.

Audience:
- Open

Prerequisites:
- None

1M424G 🖥

IBM InfoSphere DataStage - Data Masking

This course teaches students how the Data Masking Pack works. Students will learn how to apply policies for different data types and understand how hash lookup policies work. Students will also learn how to create a data masking job.

Audience:
- Developers

Prerequisites:
- Experience using a web browser and familiarity with Windows OS

K0701G 🖥

Using XML in DataStage

This course teaches experienced DataStage developers how to use the Hierarchical Data stage 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 Data stage.

Audience:
- Developers

Prerequisites:
- General understanding of XML

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IBM
ADVANCED
ANALYTICS

AVAILABLE TRAINING FORMATS:

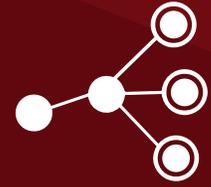**In-Class**

Instructor-Led-Online

Self-Paced Virtual Courses

Customized

IBM SPSS PREDICTIVE ANALYTICS

OPEN THE DOOR TO DEEPER, MORE MEANINGFUL INSIGHTS WITH PREDICTIVE ANALYTICS

IBM SPSS Predictive Analytics provides organizations with the ability to discover patterns and trends in structured and unstructured data to consistently make better decisions. IBM SPSS Predictive Analytics is 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. Business, government, healthcare, academic and non-profit organizations can use predictive insights to find new opportunities, reduce risks and increase revenue.

KEY PRODUCTS

IBM SPSS MODELER

- Self-organizing, bottom-up approach to data analysis
- Build accurate predictive models quickly
- Use a single run to test multiple modeling methods, compare results and select which model to deploy
- Automated modeling with an intuitive interface
- Geospatial analytics for better predictive accuracy
- Support for open source techniques such as R, Python, Spark, Hadoop
- Text analytics for structured and unstructured data
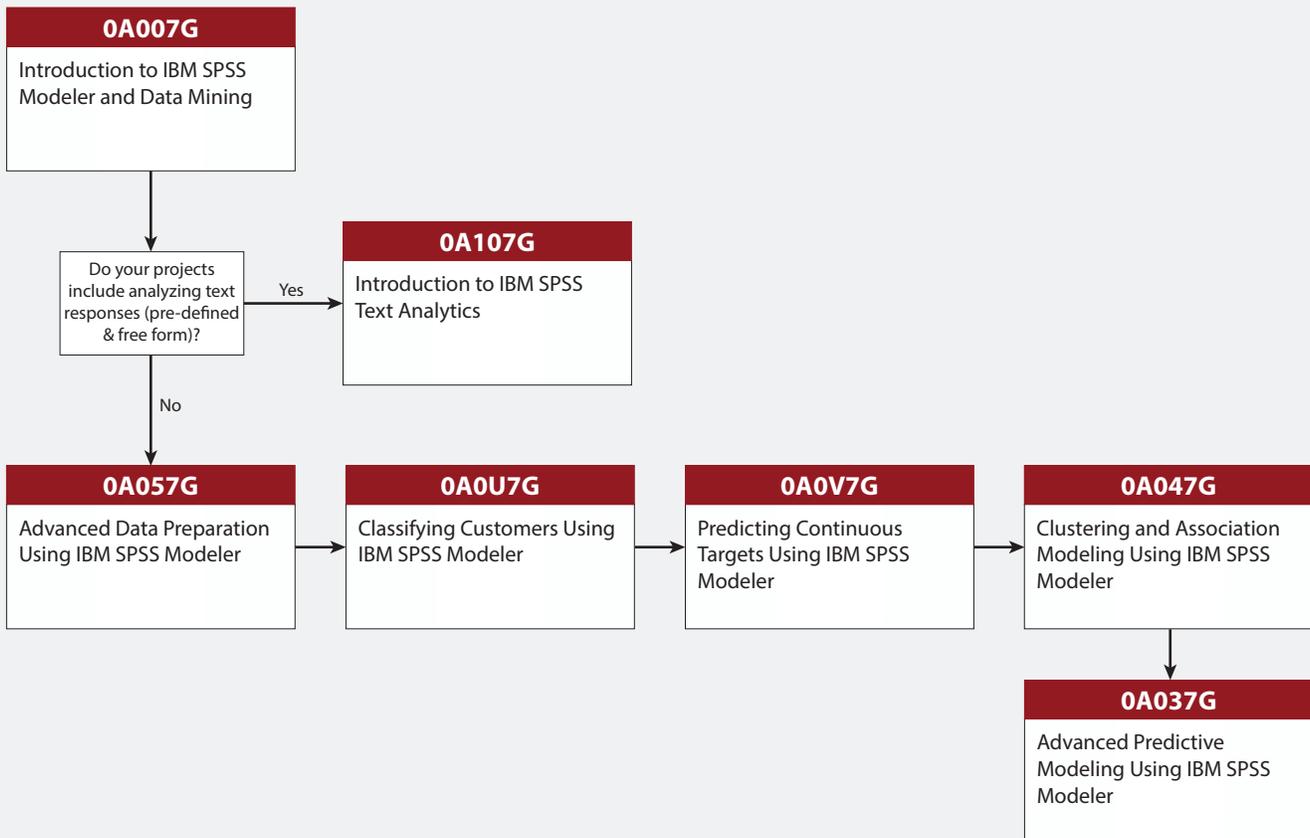- Deployable both on-premises or in the cloud

IBM SPSS STATISTICS

- User-driven, top-down approach to data analysis
- Address the entire analytical process, from planning to data collection to analysis, reporting and deployment
- Increases analytical power for advanced users
- Gain understanding and insights from datasets in any format
- Flexibility through external programming languages such as R, Python, Java and more
- Easily communicate results through reports, visualizations and geographic spatial analysis

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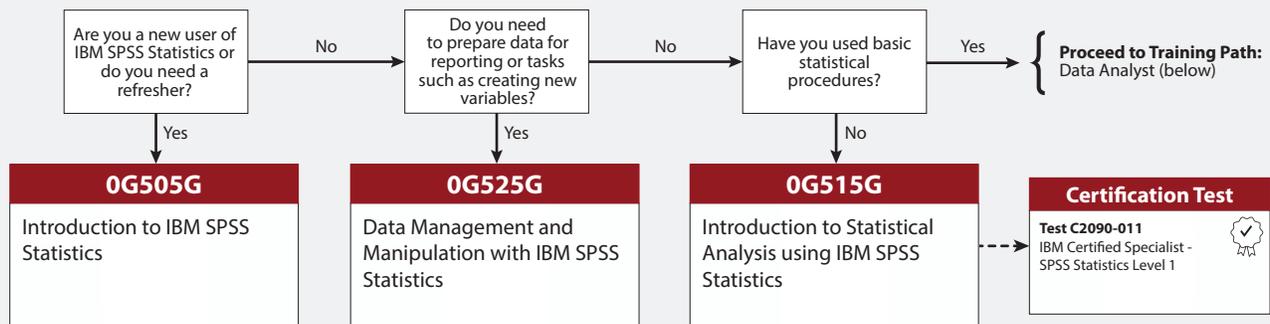
IBM SPSS MODELER

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.

0A007G

Introduction to IBM SPSS Modeler and Data Mining

Do your projects include analyzing text responses (pre-defined & free form)?

Yes →

0A107G

Introduction to IBM SPSS Text Analytics

No ↓

0A057G

Advanced Data Preparation Using IBM SPSS Modeler

→

0A0U7G

Classifying Customers Using IBM SPSS Modeler

→

0A0V7G

Predicting Continuous Targets Using IBM SPSS Modeler

→

0A047G

Clustering and Association Modeling Using IBM SPSS Modeler

↓

0A037G

Advanced Predictive Modeling Using IBM SPSS Modeler
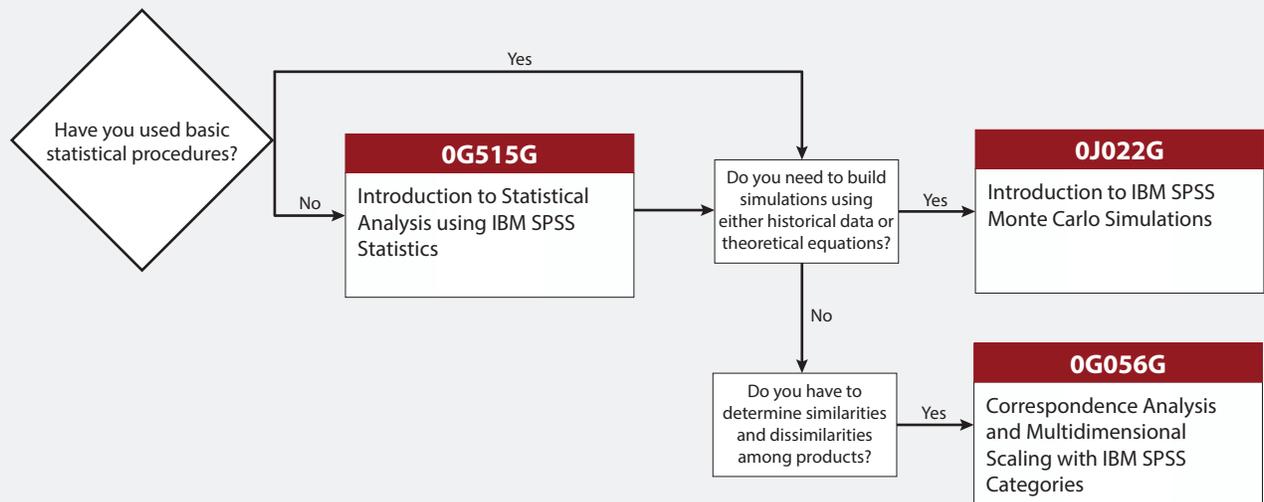
Recommended Training Paths

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.

Are you a new user of IBM SPSS Statistics or do you need a refresher?	→ No →	Do you need to prepare data for reporting or tasks such as creating new variables?	→ No →	Have you used basic statistical procedures?	Yes →	**Proceed to Training Path:** Data Analyst (below)
↓ Yes		↓ Yes		↓ No		

0G505G

Introduction to IBM SPSS Statistics

0G525G

Data Management and Manipulation with IBM SPSS Statistics

0G515G

Introduction to Statistical Analysis using IBM SPSS Statistics

Certification Test

Test C2090-011
IBM Certified Specialist - SPSS Statistics Level 1

DATA ANALYST

Analyze Data: As an analyst, you are responsible for using multiple techniques for analyzing and categorizing data. Use this journey to learn IBMS SPPS Statistics' advanced techniques such as Monte Carlo Simulations, Correspondence Analysis and more.

Have you used basic statistical procedures?

— Yes —

— No →

0G515G

Introduction to Statistical Analysis using IBM SPSS Statistics

Do you need to build simulations using either historical data or theoretical equations?

— Yes →

0J022G

Introduction to IBM SPSS Monte Carlo Simulations

— No ↓

Do you have to determine similarities and dissimilarities among products?

— Yes →

0G056G

Correspondence Analysis and Multidimensional Scaling with IBM SPSS Categories

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0A007G 👤 🖥 💻

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

This course provides an overview of data mining (using CRISP-DM) and the fundamentals of using IBM SPSS Modeler. The course outlines the typical stages of a data mining project, from collecting data, to data exploration, data transformation, and modeling to effective interpretation of the results. Students will learn the basics of how to read, prepare, and explore data with IBM SPSS Modeler, and will be introduced to modeling.

Audience:
- New users of IBM SPSS Modeler

Prerequisites:
- None

0A037G 👤 🖥 💻

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:
- 0A007G - Introduction to IBM SPSS Modeler and Data Mining (page 59), or equivalent experience in analyzing data with IBM SPSS Modeler

0A047G 👤 🖥 💻

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)
- 0A007G - Introduction to IBM SPSS Modeler and Data Mining (page 59), or equivalent experience in analyzing data with IBM SPSS Modeler

0A057G 👤 🖥 💻

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 Modeler environment
- 0A007G - Introduction to IBM SPSS Modeler and Data Mining (page 59) or equivalent experience *(recommended)*

IBM Advanced Analytics Courses

0A0U7G

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
- 0A007G - Introduction to IBM SPSS Modeler and Data Mining (page 59) or equivalent experience *(recommended)*

0A0V7G

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
- 0A007G - Introduction to IBM SPSS Modeler and Data Mining (page 59) or equivalent experience *(recommended)*

0A107G

Introduction to IBM SPSS Text Analytics (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:
- 0A007G - Introduction to IBM SPSS Modeler and Data Mining (page 59) or equivalent experience *(recommended)*

0G056G

Correspondence Analysis and Multidimensional Scaling with IBM SPSS Categories (1 day)

This course teaches students how to perform Correspondence Analysis and Multidimensional Scaling using procedures in the IBM SPSS Categories add-on module. Students will learn about useful analysis techniques such as Correspondence Analysis, Multidimensional Scaling, and Preference Scaling – and their applications.

Audience:
- IBM SPSS Statistics users interested in Correspondence Analysis and Multidimensional Scaling

Prerequisites:
- 0G505G - Introduction to IBM SPSS Statistics (page 61) or equivalent experience
- Basic statistical knowledge would be helpful

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0G505G
Introduction to IBM SPSS Statistics (2 days)

This course teaches students 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 the presentation of analytical results, as well as the shortcuts to help save time. This course uses the IBM SPSS Statistics Base features.

Audience:
- Beginner SPSS Statistics users
- Those considering purchasing IBM SPSS Statistics

Prerequisites:
- Experience using applications, such as word processors or spreadsheets, on Microsoft Windows, Macintosh or Linux environments
- Basic understanding of the purpose and functions of the software *(recommended)*

0G515G
Introduction to 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:
- 0G505G - Introduction to IBM SPSS Statistics (page 61) or 0G525G - Data Management and Manipulation with IBM SPSS Statistics (page 61) or equivalent experience with IBM SPSS Statistics

0G525G
Data Management and Manipulation with IBM SPSS Statistics (2 days)

This course focuses on a wide range of data transformation techniques, such as ways to automate data preparation work, manipulate data files and analytical results. Students will gain an understanding of the various options for controlling the IBM SPSS Statistics operating environment and how to perform data transformations efficiently.

Audience:
- IBM SPSS Statistics users

Prerequisites:
- 0G505G - Introduction to IBM SPSS Statistics (page 61) or equivalent experience

IBM Advanced Analytics Courses

SELF-PACED VIRTUAL COURSES

0K2K9G

Introduction to IBM SPSS Decision Trees

This course provides a general introduction to the features of the IBM SPSS Decision Trees module, and an overview of decision tree based methods. These methods (CHAID, Exhaustive CHAID, CRT, and QUEST) are used to perform classification, segmentation, and predictive modeling in a wide range of business and research areas. The techniques are discussed and compared, the data is analyzed, and the results are interpreted.

Audience:
- Data analysts and market researchers

Prerequisites:
- Advanced statistical training in predictive models and basic regression *(recommended)*

IBM
OPEN SOURCE &
BIG DATA ANALYTICS

AVAILABLE TRAINING FORMATS:

In-Class

Instructor-Led-Online

Self-Paced Virtual Courses

Customized

IBM OPEN SOURCE & BIG DATA ANALYTICS

OPEN AND UNIFIED ANALYTICS PLATFORM THAT REDUCES RISK AND INCREASES FELXIBILITY

The 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. The IBM Big Data Analytics platform includes premium offerings and services built on open source Apache Hadoop, allowing you to manage, store, govern, and process vast amounts of data.

KEY PRODUCTS

IBM INFOSPHERE STREAMS

- Quickly analyze and correlate information from thousands of data stream sources
- View data and information in motion, as they unfold
- Quickly develop new applications
- Integrates with your applications
- Provides security features and confidentiality for shared information

IBM BIGINSIGHTS

- Combines Hadoop and Spark for fast processing of all data
- Easily integrate a variety of data sources in innovative ways
- Get more value from text analytics
- Makes Hadoop flexible
- On-premises, on-cloud, and integrated with other systems
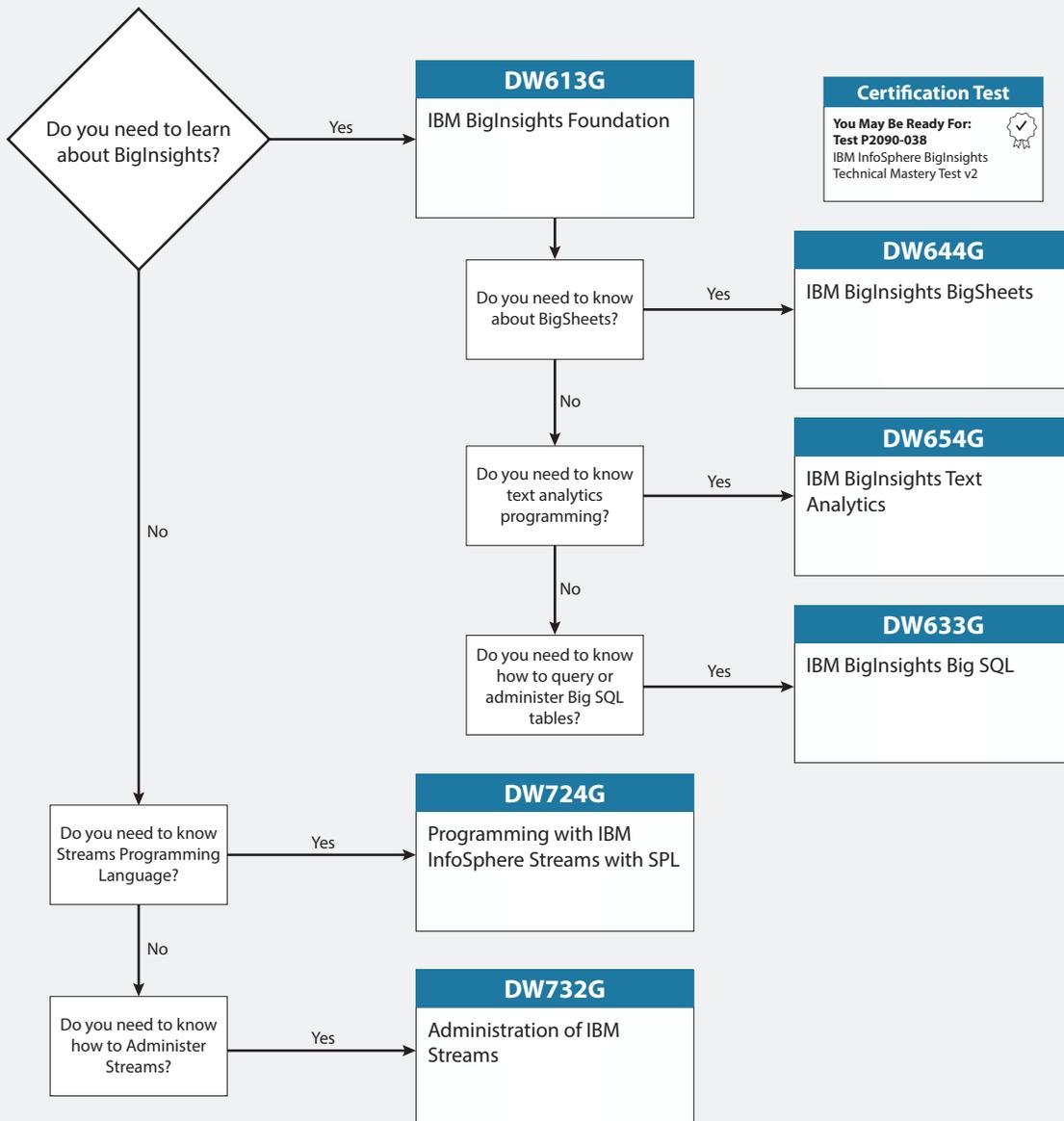- Scale quickly and easily with less coding and more analytics

IBM OPEN PLATFORM WITH APACHE HADOOP

- Ideal platform for Big Data projects with Apache Hadoop distribution
- Native support for continuous updates of Hadoop services
- Ensures that Hadoop components work together
- Cost-effectively analyze and manage Big Data
- Reduce the risk of adopting open source Hadoop

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INFOSPHERE STREAMS & BIGINSIGHTS

Start your IBM Big Data journey with these new training options.

Do you need to learn about BigInsights?

Yes →

DW613G
IBM BigInsights Foundation

Do you need to know about BigSheets?

Yes →

DW644G
IBM BigInsights BigSheets

No ↓

Do you need to know text analytics programming?

Yes →

DW654G
IBM BigInsights Text Analytics

No ↓

Do you need to know how to query or administer Big SQL tables?

Yes →

DW633G
IBM BigInsights Big SQL

No ↓

Do you need to know Streams Programming Language?

Yes →

DW724G
Programming with IBM InfoSphere Streams with SPL

No ↓

Do you need to know how to Administer Streams?

Yes →

DW732G
Administration of IBM Streams

Recommended Training Paths

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 the SQL Data Manipulation Language. Students will also learn how to retrieve data from manipulation tables, scalar functions and arithmetics 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 66) *(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 the BigInsights have 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 - as well as providing 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

DW633G
IBM BigInsights Big SQL (1 day)

This course introduces students to the capabilities of Big SQL, a part of IBM BigInsights that allows students to access their HDFS data by providing a logical view. Students can use the same SQL that was developed for their data warehouse data on your HDFS data. This course will also cover Big SQL federation, allowing students to join various data sources with Big SQL, as well as integration with a number of other components including Spark, HBase and BigSheets.

Audience:
- Developers and administrators that want to use Big SQL to access and administer their Hadoop data

Prerequisites:
- Familiarity with SQL, Hadoop, and the Linux file system

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 the analyst 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
- DW601G - IBM BighInsights Overview (page 66) *(recommended)*

DW653G
BigInsights Analytics for Programmers (2 days)

This course is designed to aid programmers who are working with IBM's InfoSphere BigInsights. Students will learn how to create annotators through the use of IBM's Annotation Query Language (AQL) and how to use Jaql to create high level programs that are decomposed into Hadoop MapReduce programs. This course covers the foundation to programing using the Apache Pig language along with how to publish a text analytics application from the BigInsights development environment to a BigInsights server.

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

Prerequisites:
- Knowledge of SQL

IBM Open Source & Big Data Analytics Courses

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 66)
- DW644G - IBM BigInsights BigSheets (page 67) *(recommended)*

DW724G
Programming for IBM InfoSphere Streams with SPL (4 days)

This course is designed to teach students about the Streams Processing Language. It will cover the basic concepts of InfoSphere Streams and the basic Streams Processing Language operators used in a Streams program. Students will learn how to access data from an external source using the Source type operators and write an output stream using the Sink type operators. Students will also learn how and when to use the various Stream operators, like the Functor, Punctor, Aggregation, Sort, Join, Split, Barrier, Delay, and Switch operators.

Audience:
- This basic course is designed for those who are planning on developing InfoSphere Streams applications

Prerequisites:
- None

DW732G
Administration of IBM Streams (2 days)

This course enables students to acquire the skills necessary to administer an IBM Streams system. The course covers how to create and view Streams domains and instances, using ZooKeeper in a high availability environment, stopping and starting processing elements, viewing the jobs and processing elements that are running, and a variety of other topics.

Audience:
- Those who will be Administering IBM Streams

Prerequisites:
- Knowledge of Linux administration
- DW724G - Programming for InfoSphere Streams with SPL (page 68) *(recommended)*

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SELF-PACED VIRTUAL COURSES

K0302G

IBM Open Platform Overview

This course is designed to introduce students to the IBM Open Platform (IOP) with Apache Spark and Apache Hadoop. Students will explore the open source components included with IOP and gain an understanding of each components purpose. Students will also gain experience working with Apache Ambari, the Hadoop Distributed File System (HDFS), and loading and processing data within IOP using a variety of techniques.

Audience:
- Developers, administrators, technical business users

Prerequisites:
- None

IBM Open Source & Big Data Analytics Courses

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.

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.
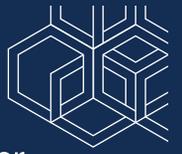
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