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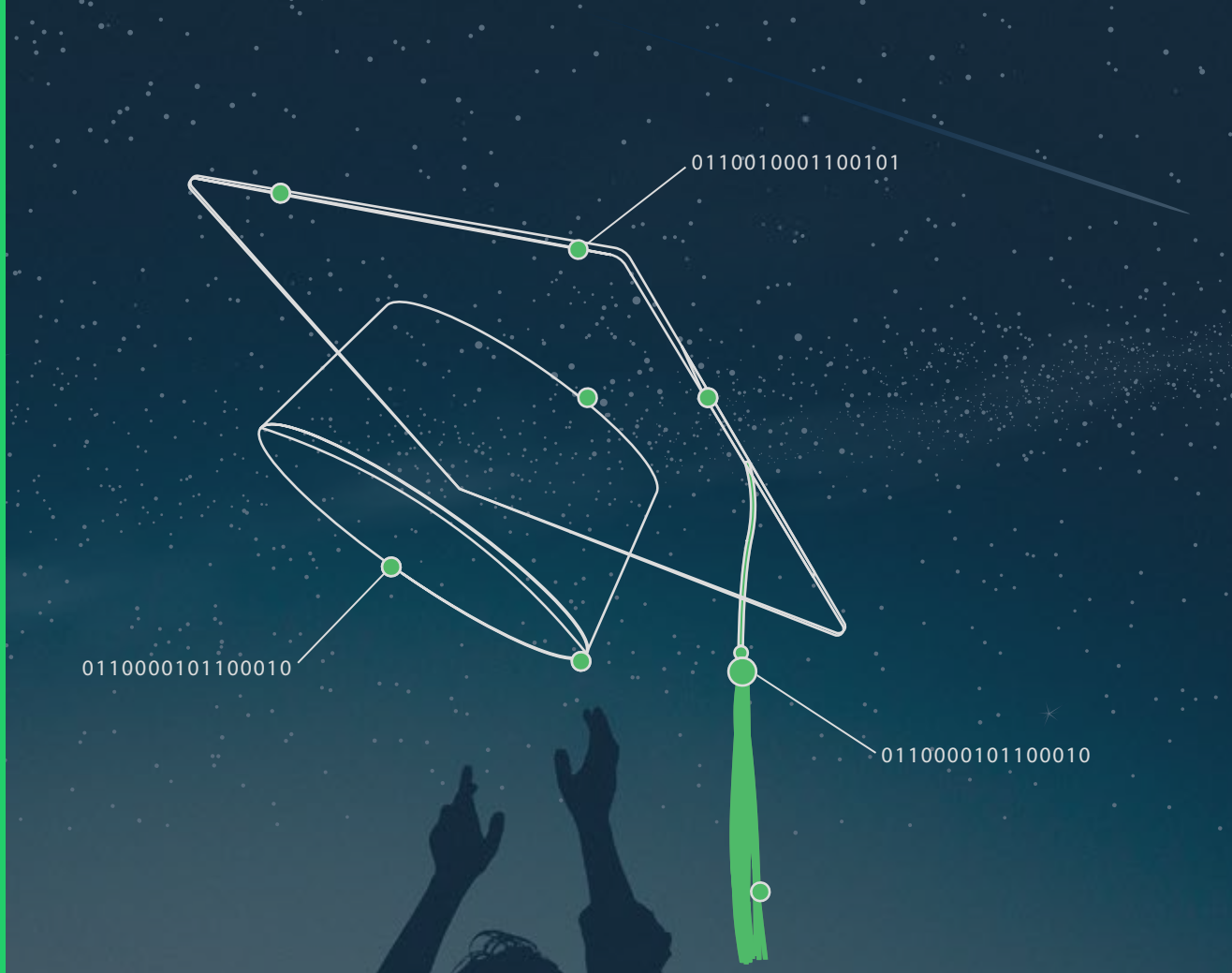

IBM ANALYTICS

TRAINING CATALOGUE

Everyone's learning journey is different.
Let's find the right path for you.

newcomp analytics

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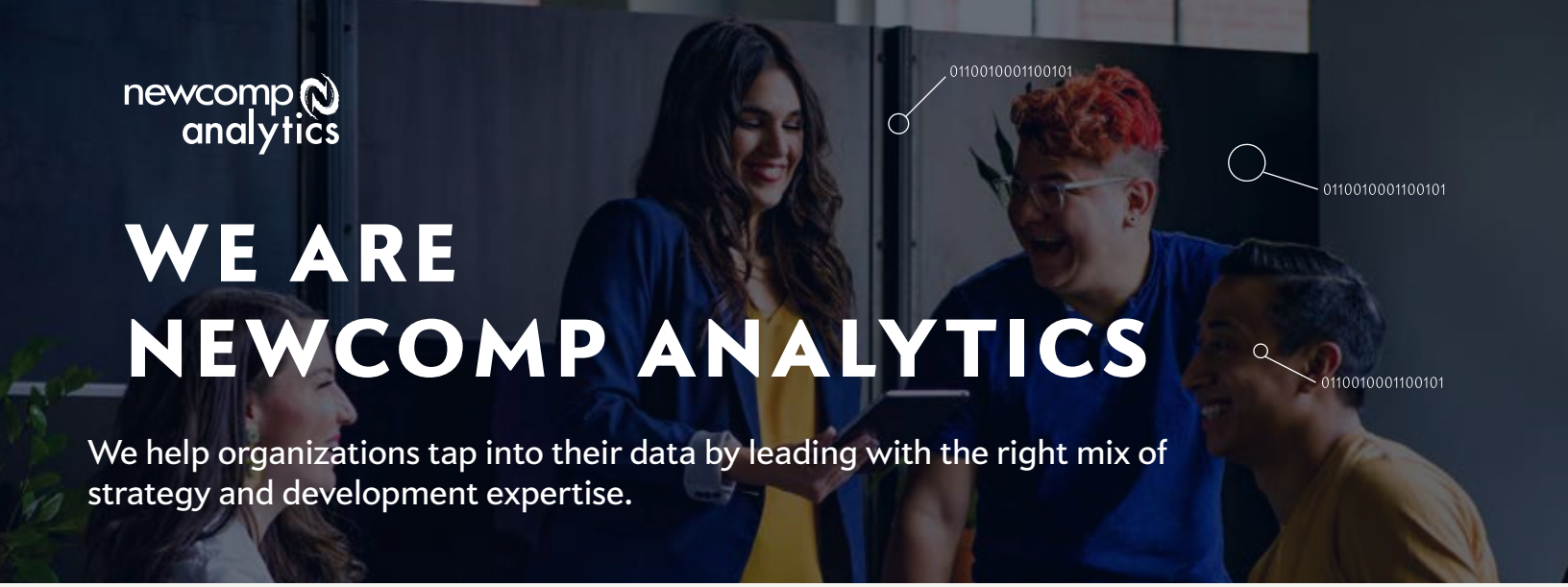


newcomp analytics

WE ARE NEWCOMP ANALYTICS

We help organizations tap into their data by leading with the right mix of strategy and development expertise.

WE ARE A TEAM OF STRATEGIC THINKERS, CREATIVE DEVELOPERS, AND DATA NINJAS, BUILT TO HELP ORGANIZATIONS TRANSFORM AND THRIVE IN TODAY'S DIGITAL WORLD.

No matter where you are in your analytics journey, we can help your organization thrive in today's complex environment. Our team of data scientists, engineers and developers follow proven methodologies and best practices to take a project from idea to delivery.

WE TRANSFORM ORGANIZATIONS

At Newcomp Analytics, we pride ourselves in being there every step of the way. Our service portfolio ensures we can tackle any project, from strategy to implementation – we have seen it all. We have a simple formula to help you win: define the goal, find the gaps, then match you with the right people, processes, and tools to get there – coaching you the entire way.

OUR DNA

- AI & MACHINE LEARNING
- DATA ENGINEERING
- BI & DATA VISUALIZATION
- FINANCIAL PLANNING & ANALYTICS
- CLOUD

OUR TRAINING INITIATIVE

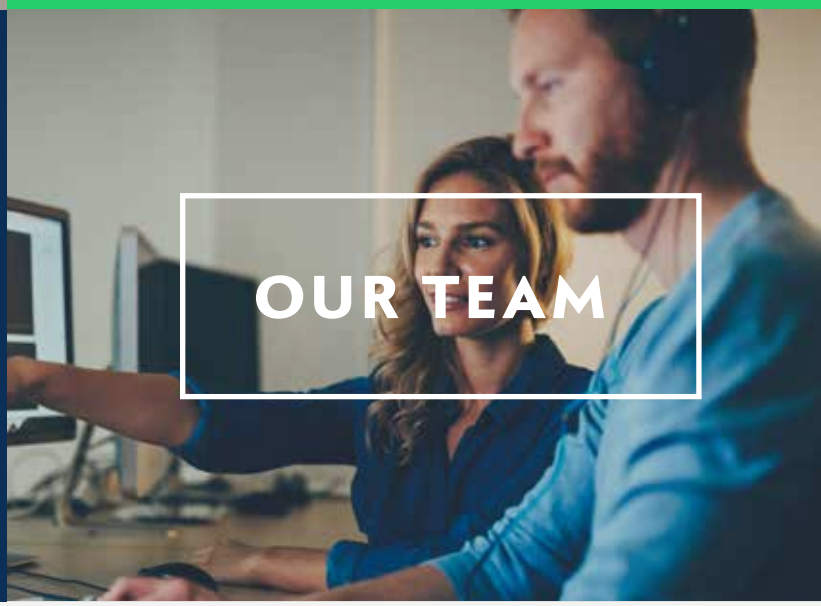
ANALYTICS TRAINING

Canada's most successful corporations, governments and organizations turn to Newcomp Analytics for an insider's view of modern data and analytics.

We strongly believe that the most successful implementations are the result of educated and empowered users – from top to bottom. Our enablement team is actual developers and architects, bringing real-life practical experience to the classroom.

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

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



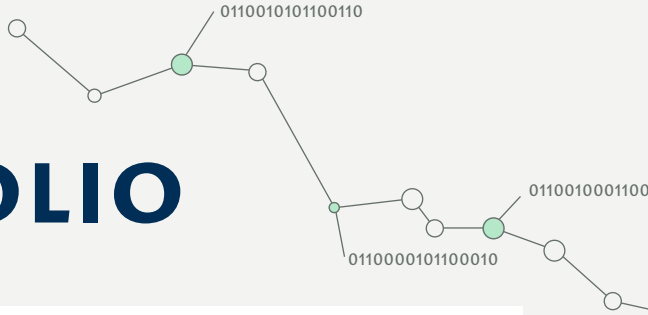
OUR TEAM

"Very pleased with the course content and training manual. Instructor was excellent. Very competent, knowledgeable, and engaging."
– Senior Researcher

"I look forward to putting what I've learned into day to day use - I know once I'm able to better understand and get more hands-on experience, my job is going to become way more efficient!"
– Data Analyst

"I really liked the 1:1 training considering my learning style and pace. The training provided me with the basics to get started and hope to apply these to my organization's data."
– Manager, BI

OUR IBM TRAINING PORTFOLIO



IBM BUSINESS INTELLIGENCE - IBM Cognos Analytics (v11) (page 7)

IBM PERFORMANCE MANAGEMENT - IBM Planning Analytics (TM1) (page 17)

IBM PREDICTIVE ANALYTICS - IBM SPSS Modeler, IBM SPSS Statistics (page 25)

IBM INFORMATION MANAGEMENT - IBM InfoSphere QualityStage, IBM InfoSphere DataStage, IBM Information Governance Catalog, IBM Master Data Management, IBM DB2 (page 30)

IBM WATSON AI - IBM Watson Assistant, IBM Watson Discovery (page 45)

IBM CLOUD PAK FOR DATA - IBM Cloud Pak for Data (page 47)

EXPLORE OUR LEARNING FORMATS

IN-CLASS

INSTRUCTOR-LED ONLINE (ILO)

SELF-PACED VIRTUAL CLASSES

ON-SITE

CUSTOMIZED

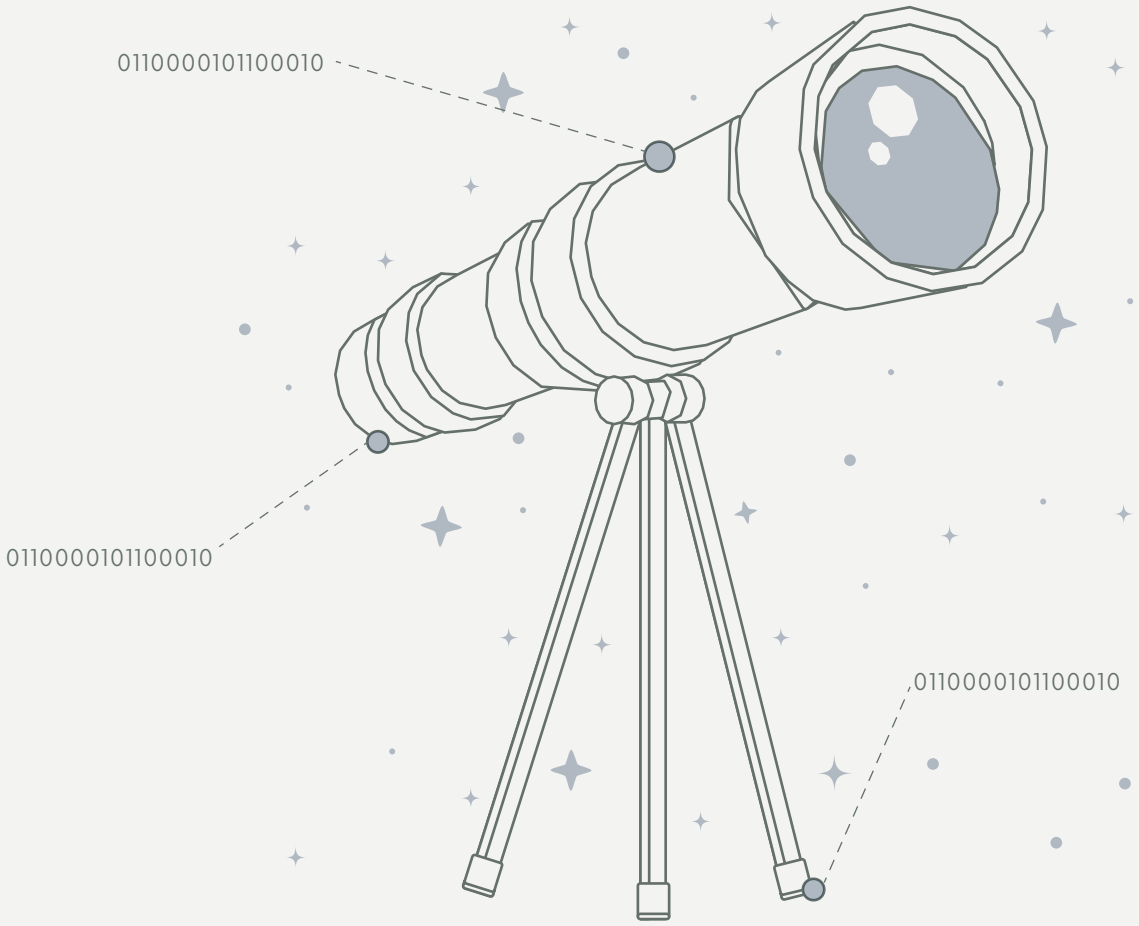
EDUCATIONAL MENTORING

From official training courses to ad hoc mentoring, our education team was built to educate the broad community and design bespoke training paths and formats for your team.

With multiple ways to learn, our formats are flexible to make it easy. Learn at your own pace, with an instructor online, or in-class. Learn more about our formats below.

LEARN MORE

IBM BUSINESS INTELLIGENCE



AVAILABLE TRAINING FORMATS:

IN-CLASS

INSTRUCTOR-LED ONLINE (ILO)

SELF-PACED VIRTUAL CLASSES

ON-SITE

CUSTOMIZED

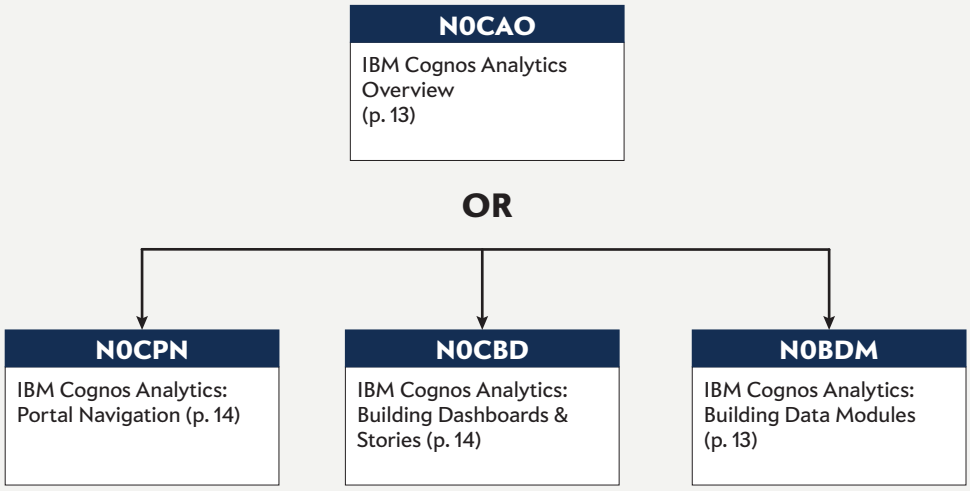
EDUCATIONAL MENTORING

IBM COGNOS ANALYTICS UPGRADE ROADMAP

UPGRADING FROM VERSION 10.2.2 TO VERSION 11.X

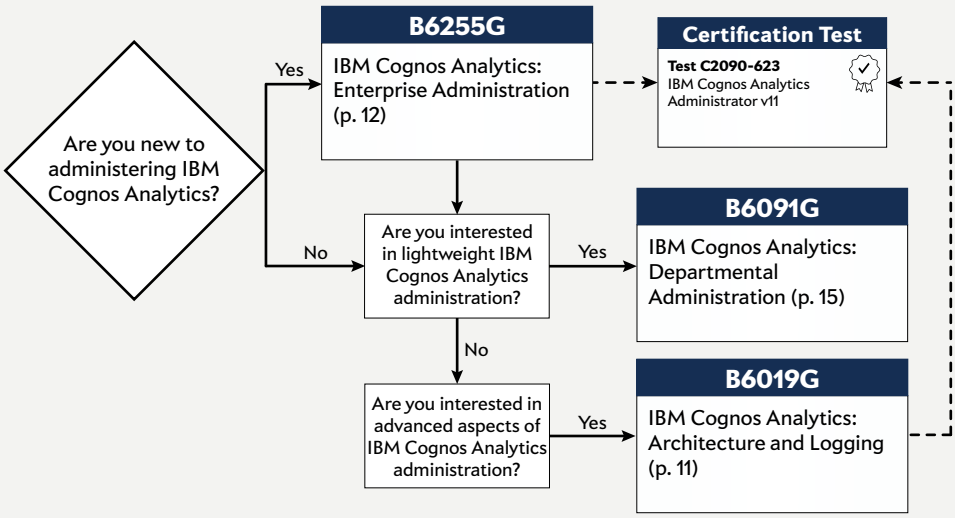
Development and administration have not changed between v10.2.2 and v11. Individuals who have already received training on the developer tools (Framework Manager, Cube Designer, Transformer) and administration in v10.2.2 do not need to retake those courses. It is recommended that developers and administrators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

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



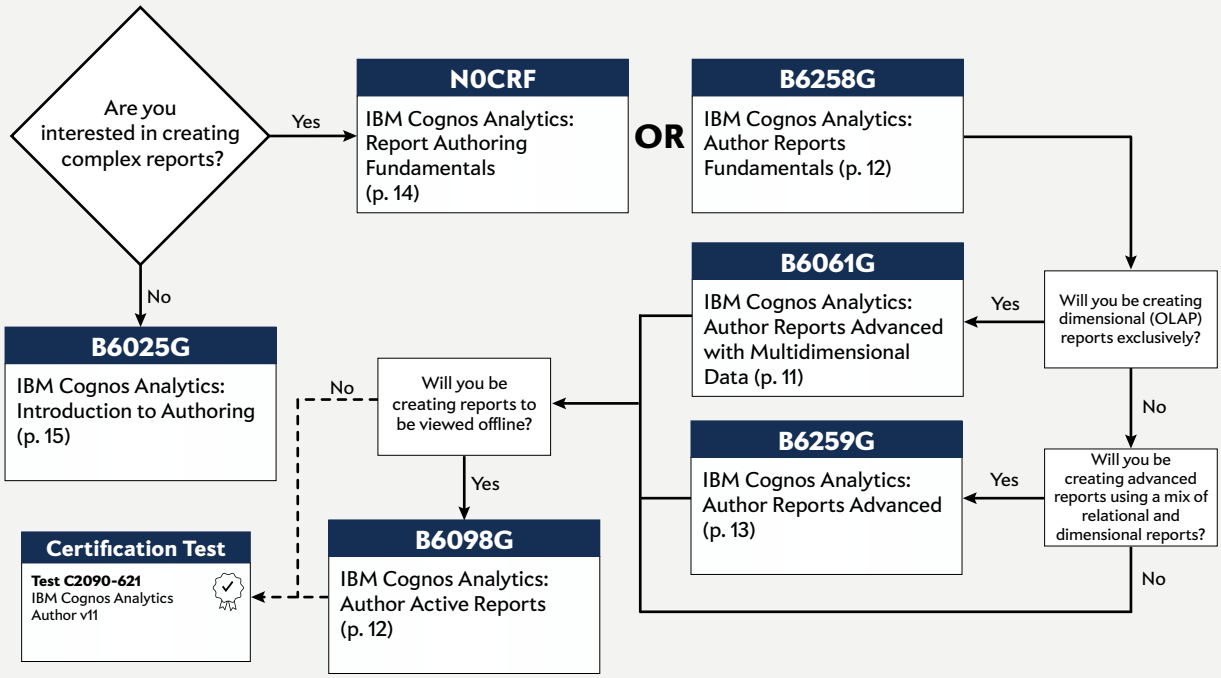
ADMINISTRATOR

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



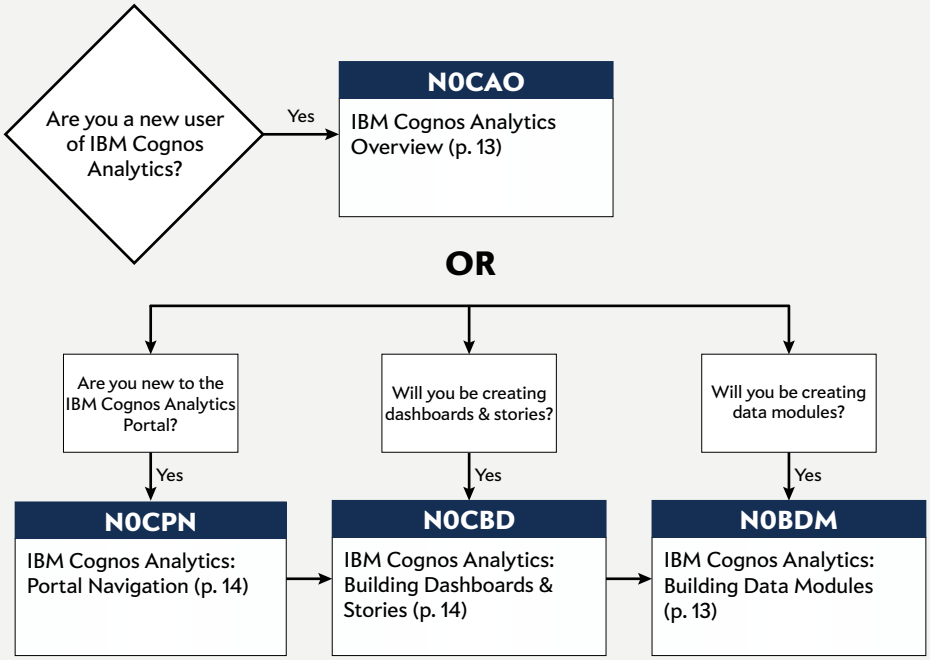
AUTHOR

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



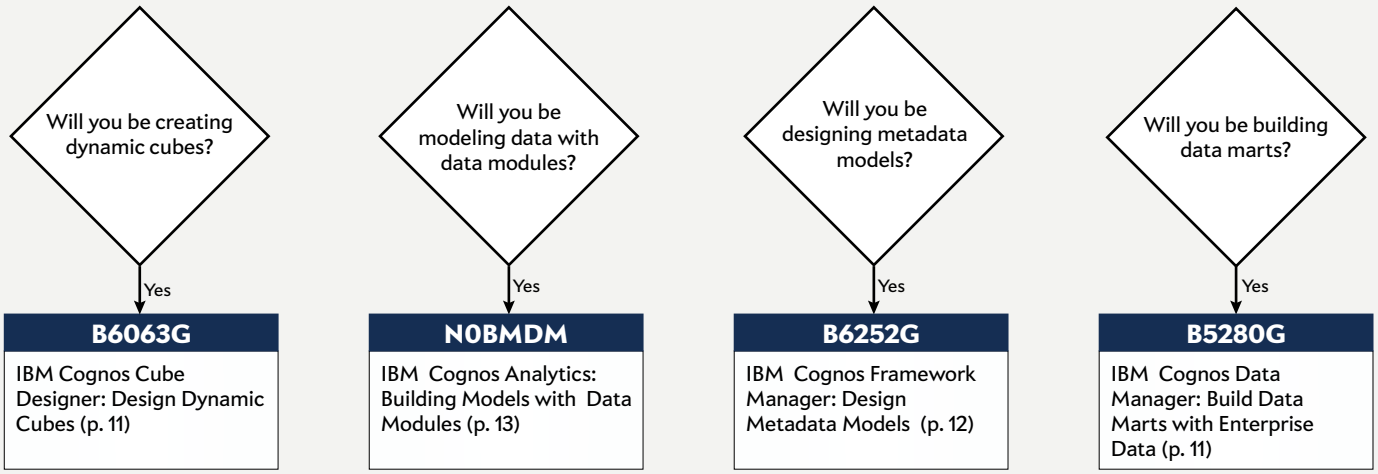
CONSUMER/END-USER

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



DEVELOPER

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



B5280G

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

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

Audience:

» Developers

Prerequisites:

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

B6019G

IBM Cognos Analytics: Architecture and Logging (2 days)

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

Audience:

» Administrators

Prerequisites:

» B6255G - IBM Cognos Analytics: Enterprise Administration course (page 12) or equivalent experience administering the IBM Cognos Analytics environment

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 (OLAP) data sources to build reports

Prerequisites:

» B6258G - IBM Cognos Analytics: Author Reports Fundamentals (page 12) or equivalent experience
» Knowledge of dimensional data

B6063G

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

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

Audience:

» Data modelers

Prerequisites:

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

B6098G

IBM Cognos Analytics: Author Active Reports (1 day)

This course builds on students' IBM Cognos Analytics report authoring experience. Students will learn how to create interactive reports using IBM Cognos Analytics 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
» B6258G - IBM Cognos Analytics: Author Reports Fundamentals (page 12) or equivalent experience

B6252G

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

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

Audience:

» Data modelers

Prerequisites:

» Knowledge of common industry-standard data structures and design
» B6258G - IBM Cognos Analytics: Author Reports Fundamentals (page 12) *(recommended)*

B6255G

IBM Cognos Analytics: Enterprise Administration (2 days)

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

Audience:

» Administrators

Prerequisites:

» Knowledge of web application server architectures & security systems administration

B6258G

IBM Cognos Analytics: Author Reports Fundamentals (3 days)

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

Audience:

» Authors

Prerequisites:

» Familiarity with Windows OS and a web browser

B6259G

IBM Cognos Analytics: Author Reports Advanced (2 days)

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

Audience:

» Authors looking to use relational data models to build reports

Prerequisites:

» B6258G - IBM Cognos Analytics: Author Reports Fundamentals (page 12) 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 in IBM Cognos Analytics. Students will learn how to identify and select data sources for the data module such as data servers and uploaded personal files. Other enhancements such as adding calculations, custom data groups, cleansing and formatting columns, relative dates, data-level security, filters, navigation groups, custom grouping and specifying column dependencies will also be covered.
Note: This course is currently on v11.1.x. We can deliver this course on previous versions of IBM Cognos Analytics as well.

Audience:

» Authors

Prerequisites:

» B6258G - IBM Cognos Analytics: Author Reports Fundamentals (page 12) or N0CRF - IBM Cognos Analytics: Report Author Fundamentals (page 14) or equivalent experience *(recommended)*

N0BMDM

IBM Cognos Analytics: Building Models with Data Modules (1 day)

This course teaches data modelers how to create user-friendly & secure access to data using Data Modules. Students will learn how to identify & select data sources, such as data servers and uploaded personal files, and how to identify & create joins/relationships between data sources using calculations and filters.
Note: This course is currently on v11.1.x. We can deliver this course on previous versions of IBM Cognos Analytics as well.

Audience:

» Data modelers

Prerequisites:

» B6252G - Framework Manager: Design Metadata Models (page 12) or 1 year experience working as a data modeler

N0CAO

IBM Cognos Analytics Overview (1 day)

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

Audience:

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

Prerequisites:

» None

N0CBD

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

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

Note: This course is currently on v11.1.x. We can deliver this course on previous versions of IBM Cognos Analytics as well.

Audience:

» Consumers, analysts, and business users

Prerequisites:

» None

N0CPN

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

This course teaches students how to navigate the IBM Cognos Analytics portal. Students will learn how to access content including navigating the Team Content and My Content folders, using the Smart Search functionality, running reports and dashboards, reviewing object properties, interacting with report versions, setting personal preferences, subscribing to reports, and using notifications.

Note: This course is currently on v11.1.x. We can deliver this course on previous versions of IBM Cognos Analytics as well.

Audience:

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

Prerequisites:

» None

N0CRF

IBM Cognos Analytics: Report Authoring Fundamentals (2 days)

This course introduces students to the fundamentals of reporting in IBM Cognos Analytics. Students will be introduced to lists, crosstabs and visualizations as well as interactive features like prompts and report-to-report drill-through. Students will also learn how to add calculations to their reports, apply conditional styles, and integrate external data. *This course teaches students how to build reports off of relational data; if you are looking to build reports off of dynamic cubes or IBM Planning Analytics cubes, please ask us for alternate options.*

Note: This course is currently on v11.1.x. We can deliver this course on previous versions of IBM Cognos Analytics as well.

Audience:

» Authors

Prerequisites:

» None

SELF-PACED VIRTUAL COURSES

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 the IBM Cognos Analytics portal.

Audience:

» Consumers and authors

Prerequisites:

» None

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

B6289G

IBM Cognos Analytics: Dashboard Essentials

In this course, students learn will how to create dashboards in IBM Cognos Analytics so users can explore and interact with their data and gain insight into their business. Students will learn how to add data sources, create and interact with dashboards, and customize content for presentation.

Audience:

» Authors

Prerequisites:

» None

B6290G

IBM Cognos Analytics: Modeling with Data Modules

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

Audience:

» Modelers

Prerequisites:

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

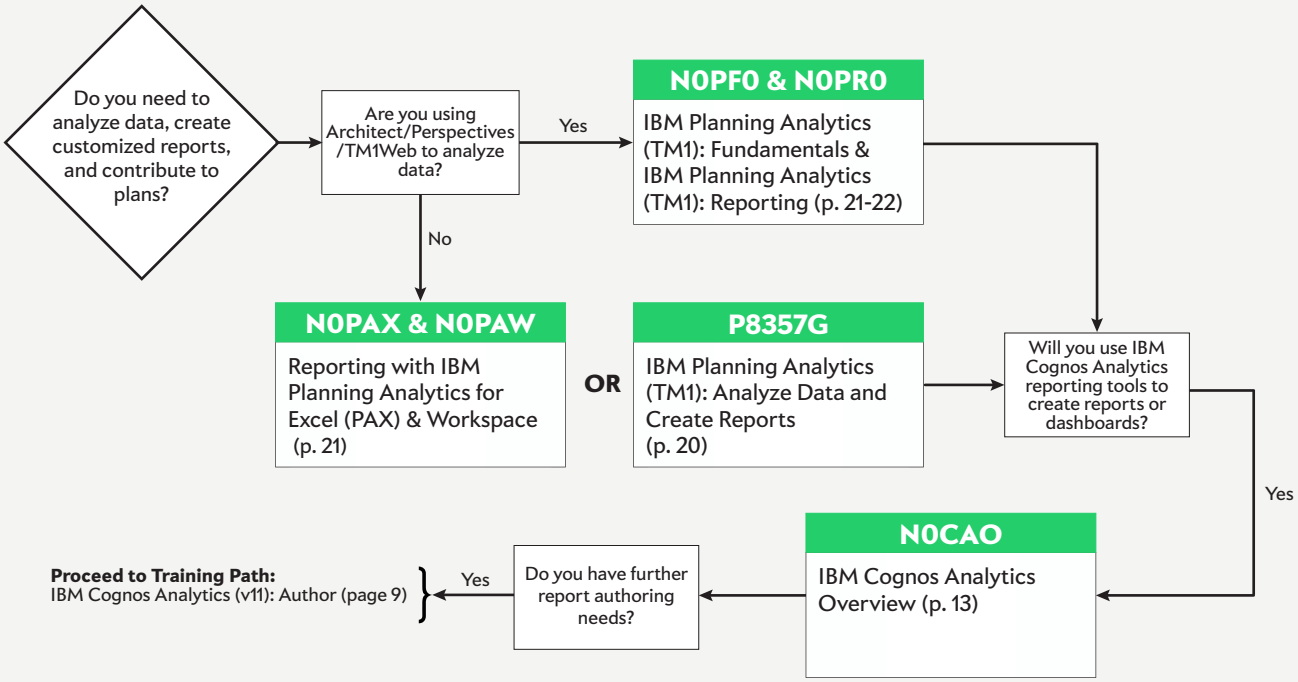
IBM PERFORMANCE MANAGMENT

AVAILABLE TRAINING FORMATS:

- IN-CLASS
- INSTRUCTOR-LED ONLINE (ILO)
- SELF-PACED VIRTUAL CLASSES
- ON-SITE
- CUSTOMIZED
- EDUCATIONAL MENTORING

ANALYST

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

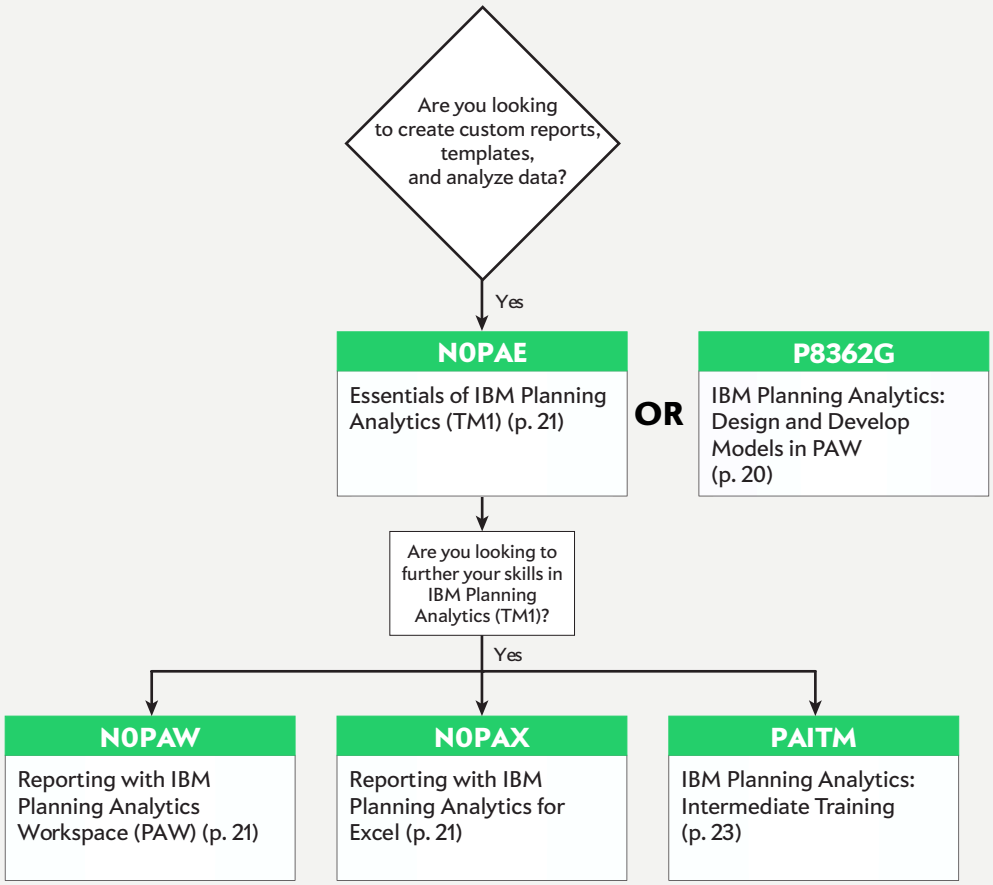


ADMINISTRATOR

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

MODELER

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



P8221G

IBM Cognos Controller: Develop Applications (5 days)

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

Audience:

» Application developers

Prerequisites:

» Basic knowledge of group accounting

P8222G

IBM Cognos Controller: Author Reports (1 day)

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

Audience:

» Authors

Prerequisites:

» Basic knowledge of group accounting
» Basic knowledge of Microsoft Excel

P8357G

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

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

Audience:

» Analysts

Prerequisites:

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

P8362G

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

This course is designed to teach data modelers how to build a complete model in IBM Planning Analytics using Planning Analytics Workspace. Students will learn how to set up dimensions and cubes, manually enter data into these structures, and define the data that users can see.

Audience:

» Data modelers

Prerequisites:

» P8357G - IBM Planning Analytics: Analyze Data and Create Reports (page 20)

N0PAE

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

This 5-day course cover topics ranging from beginner fundamentals to more advanced techniques and administration in IBM Planning Analytics (TM1). This course is broken down into smaller detailed modules (N0PF0, N0PR0, N0PCR, N0TI0, N0PBP (pages 21-22) that students can choose to take separately or combined in the 5-day *N0PAE - Essentials of IBM Planning Analytics (TM1) course.*

Audience:

» New developers of IBM Planning Analytics (TM1)

Prerequisites:

» None

N0PAW

Reporting with IBM Planning Analytics Workspace (PAW) (1/2 day)

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

Audience:

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

Prerequisites:

» N0PF0 - IBM Planning Analytics (TM1): Fundamentals (page 21) or familiarity with basic IBM Planning Analytics (TM1) functionality

N0PAX

Reporting with IBM Planning Analytics for Excel (1/2 day)

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

Audience:

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

Prerequisites:

» N0PF0 - IBM Planning Analytics (TM1): Fundamentals (page 21) or equivalent experience

» Familiarity with basic Microsoft Excel functionality

N0PF0

IBM Planning Analytics (TM1): Fundamentals (1 day)

This course introduces students to the objects, concepts and techniques essential to building and maintaining IBM Planning Analytics (TM1) models. Topics covered include elements, attributes, alternate hierarchies, subsets, cube views, and sandboxes. Students will build multiple dimensions and cubes both manually and programmatically from a variety of data sources.

Audience:

» New users of IBM Planning Analytics (TM1)

Prerequisites:

» None

N0PR0

IBM Planning Analytics (TM1): Reporting (1 days)

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

Audience:

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

Prerequisites:

» N0PF0 - IBM Planning Analytics (TM1): Fundamentals (page 21) or equivalent experience

N0PCR

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

This course introduces students to the fundamentals of writing IBM Planning Analytics (TM1) cube rules, including both intra and inter-cube formulas. Four types of formulas are covered; leaf rules, consolidated rules, rules calculated at both the leaf and consolidated levels, and String rules. This module will also introduce TM1's method for handling cube sparsity; skipcheck and feeders.

Audience:

» Developers and power users

Prerequisites:

» N0PF0 – IBM Planning Analytics (TM1): Fundamentals (page 21) or equivalent experience

N0TI0

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

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

Audience:

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

Prerequisites:

» N0PF0 – IBM Planning Analytics (TM1): Fundamentals (page 21) or equivalent experience

N0PBP

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

This course covers many additional techniques and features not included in our other Essentials modules that are considered important for a well-rounded TM1 developer to understand. These topics include setting up cube-to-cube drill through, picklists, logging, object security, dimension ordering, and sandboxes.

Audience:

» Developers and administrators

Prerequisites:

» N0PF0 – IBM Planning Analytics (TM1): Fundamentals (page 21) or equivalent experience

PAITM

IBM Planning Analytics (TM1): Intermediate Training (4 days)

This course is designed for students who have completed the Essentials modules (or have equivalent experience) and wish to take a deeper look at the process of developing a TM1 model. The module is delivered as "guided practice" where the instructor will assist the students in performing some more complex activities (detecting overfeeding, copying data programmatically within/between cubes, renaming elements, etc.). The students will also get experience developing a planning model from scratch.

Audience:

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

Prerequisites:

» N0PAE - Essentials of IBM Planning Analytics (TM1) (page 21) or equivalent IBM Planning Analytics (TM1) training and experience

SELF-PACED VIRTUAL COURSES

K05003G-WBT

IBM Planning Analytics: Administer The Technical Environment - Local

This course provides Administrators with guidance on installing and administering the IBM Planning Analytics - Local environment. The course outlines how the architecture can be customized to fit into various infrastructures. Students will learn how to install and configure IBM Planning Analytics - Local, monitor system performance, and secure applications.

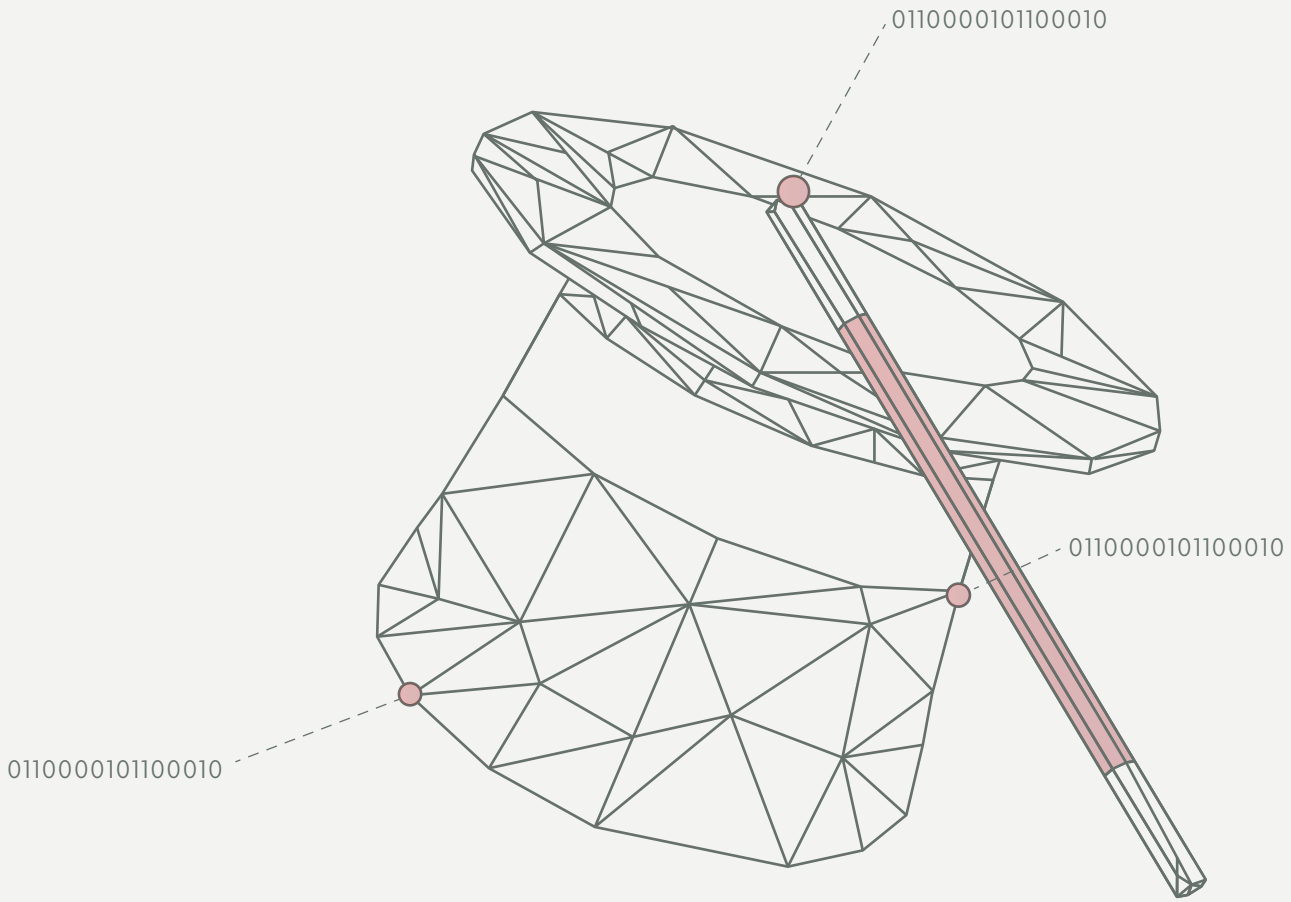
Audience:

» Administrators

Prerequisites:

» Basic knowledge of IBM Planning Analytics (TM1)

IBM PREDICTIVE ANALYTICS



AVAILABLE TRAINING FORMATS:

IN-CLASS

INSTRUCTOR-LED ONLINE (ILO)

SELF-PACED VIRTUAL CLASSES

ON-SITE

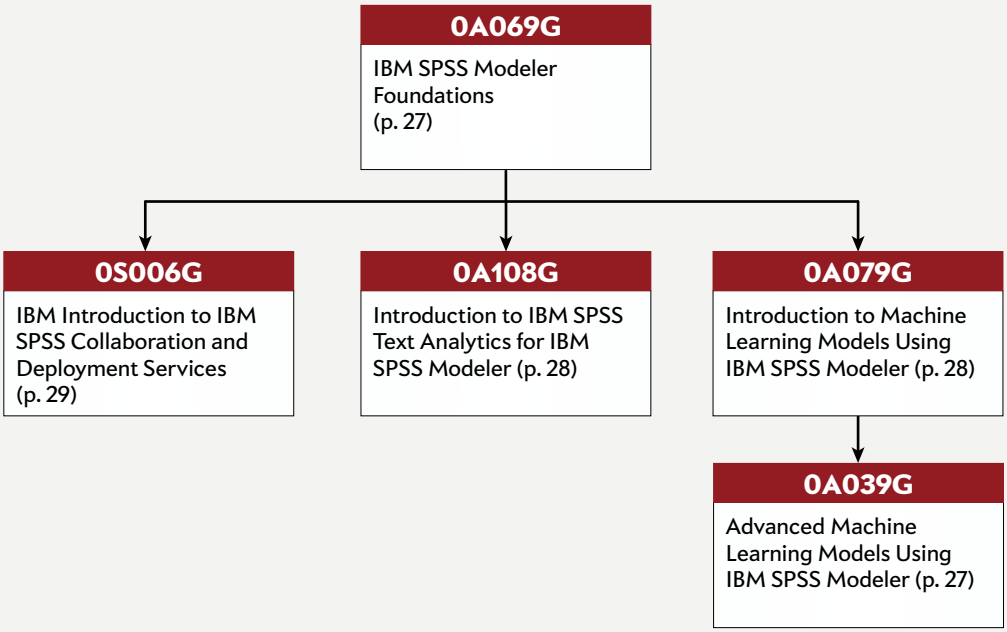
CUSTOMIZED

EDUCATIONAL MENTORING

IBM SPSS MODELER

DATA MODELER

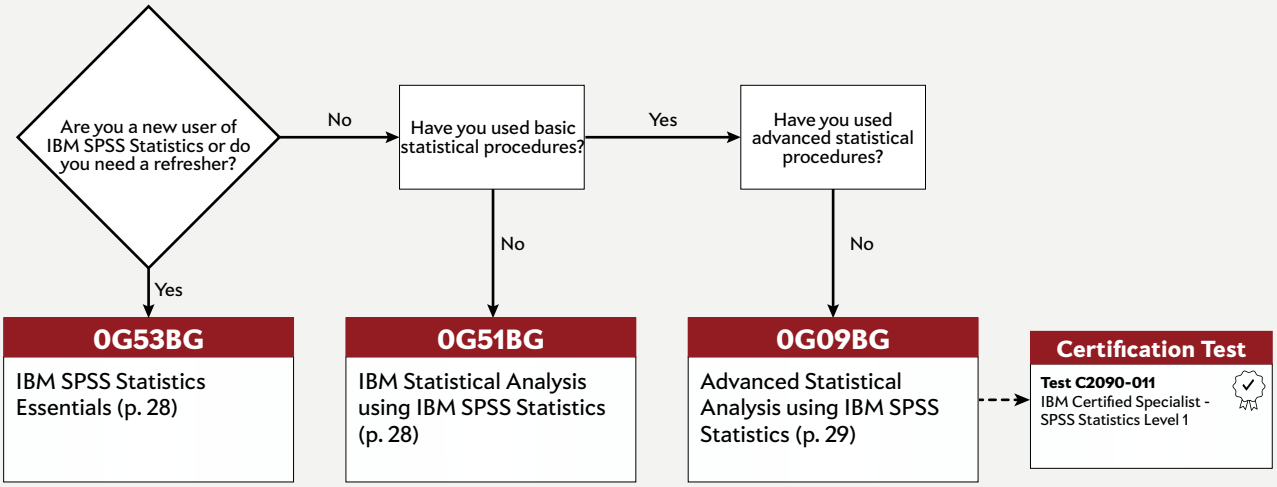
Analyze Data: As a data analyst, you are responsible for using various techniques for analyzing and mining data. Use this journey to learn advanced techniques for IBM SPSS Modeler such as text analytics, data mining, classifications, predicting continuous targets, clustering, association modeling and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



IBM SPSS STATISTICS

NEW USER

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



0A018G

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

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

Audience:

» Business analysts and data scientists

Prerequisites:

» None

0A028G

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

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

Audience:

» Business analysts and data scientists

Prerequisites:

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

0A039G

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

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

Audience:

» Data Scientists and business analysts

Prerequisites:

» 0A069G - IBM SPSS Modeler Foundations (page 27)

» 0A079G - Introduction to Machine Learning Models Using IBM SPSS Modeler (page 28)

0A069G

IBM SPSS Modeler Foundations (2 day)

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

Audience:

» Data scientists and business analysts

Prerequisites:

» None

0A079G

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

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

Audience:

» Data scientists and business analysts

Prerequisites:

» 0A069G - IBM SPSS Modeler Foundations (page 27) or equivalent experience *(recommended)*

0A108G

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

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

Audience:

» IBM SPSS Modeler analysts responsible for building predictive models

Prerequisites:

» 0A069G - IBM SPSS Modeler Foundations (page 27) or equivalent experience *(recommended)*

0G51BG

IBM Statistical Analysis using IBM SPSS Statistics (2 days)

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

Audience:

» BM SPSS Statistics users

Prerequisites:

» 0G53BG - IBM SPSS Statistics Essentials (page 28) or equivalent experience with IBM SPSS Statistics

0G53BG

IBM SPSS Statistics Essentials (2 days)

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

Audience:

» IBM SPSS Statistics users

Prerequisites:

» None

0G09BG

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

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

Audience:

» IBM SPSS Statistics users

Prerequisites:

» 0G51BG - Statistical Analysis Using IBM SPSS Statistics (page 28) or equivalent experience

0S006G

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

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

Audience:

» Modelers and analysts

Prerequisites:

» 0A069G - IBM SPSS Modeler Foundations (page 27) or equivalent experience *(recommended)*

W7067G

IBM - Watson Studio Methodology - WBT (3/4 day)

In this course, you will explore data preparation, data modeling, data visualization, and data cataloging using Watson Studio, Watson Knowledge Catalog, and Watson Machine Learning.

Audience:

» Data scientists, data engineer, business analyst

Prerequisites:

» None

I2000G

IBM - Learn to use Data Science Experience - WBT (1/4 day)

This course is designed to introduce students to IBM Data Science Experience. The course covers how to create and set up a project and to be familiar with how to create, code, collaborate, and share notebooks while working with a variety of data sources to analyze data.

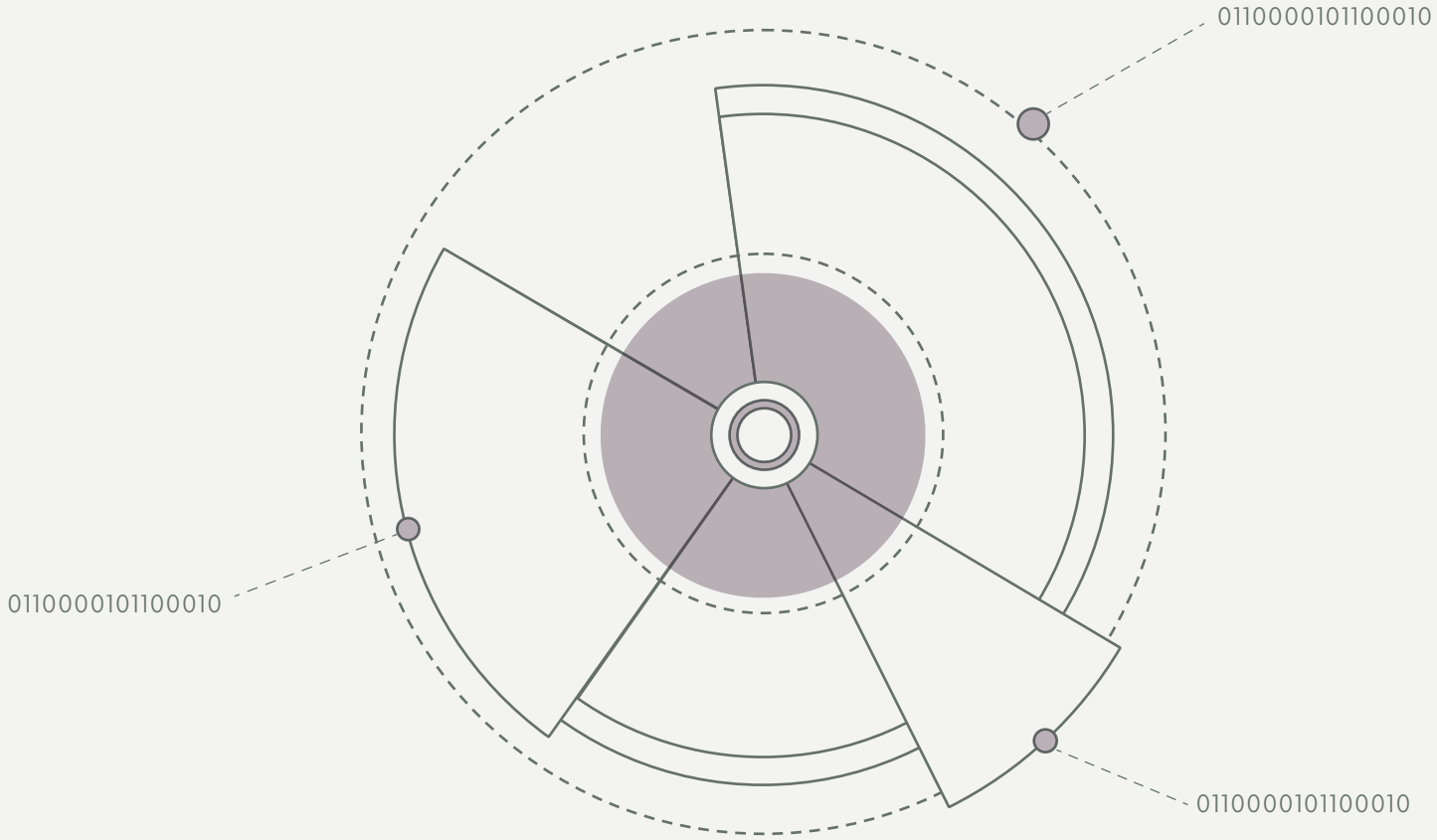
Audience:

» Data scientist, data engineer, application developer

Prerequisites:

» None

IBM INFORMATION MANAGEMENT



AVAILABLE TRAINING FORMATS:

IN-CLASS

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SELF-PACED VIRTUAL CLASSES

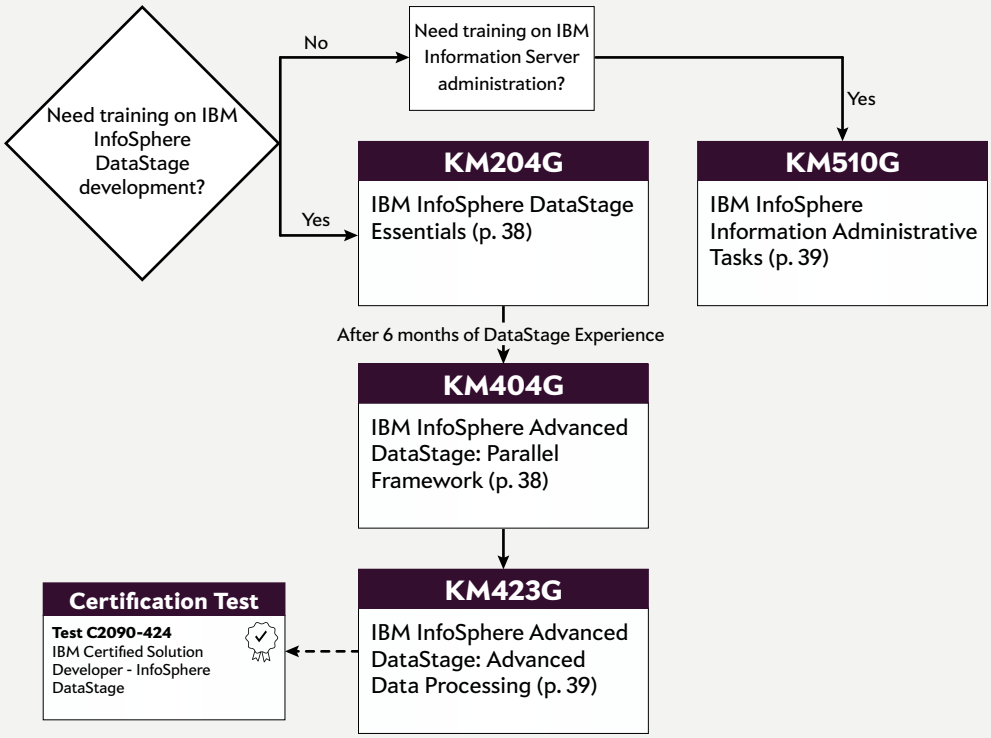
ON-SITE

CUSTOMIZED

EDUCATIONAL MENTORING

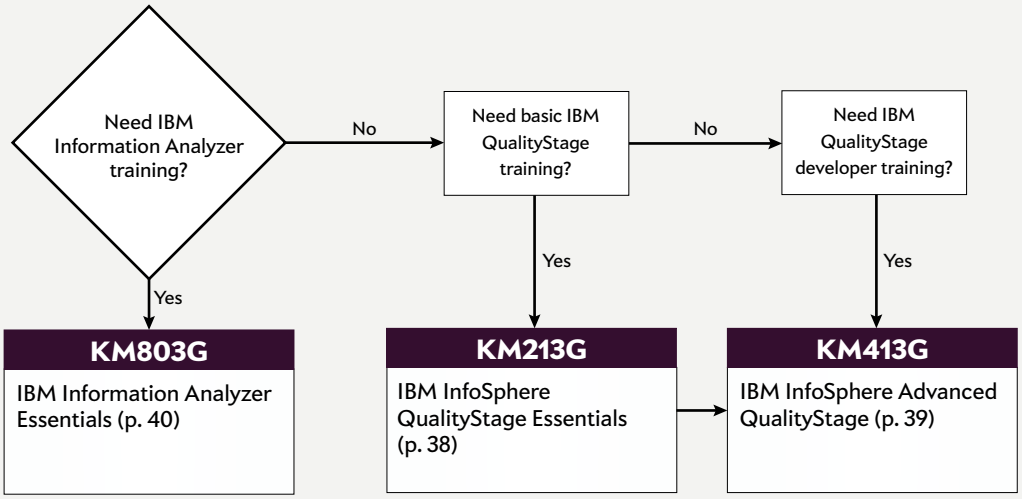
DATA INTEGRATION ARCHITECT

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



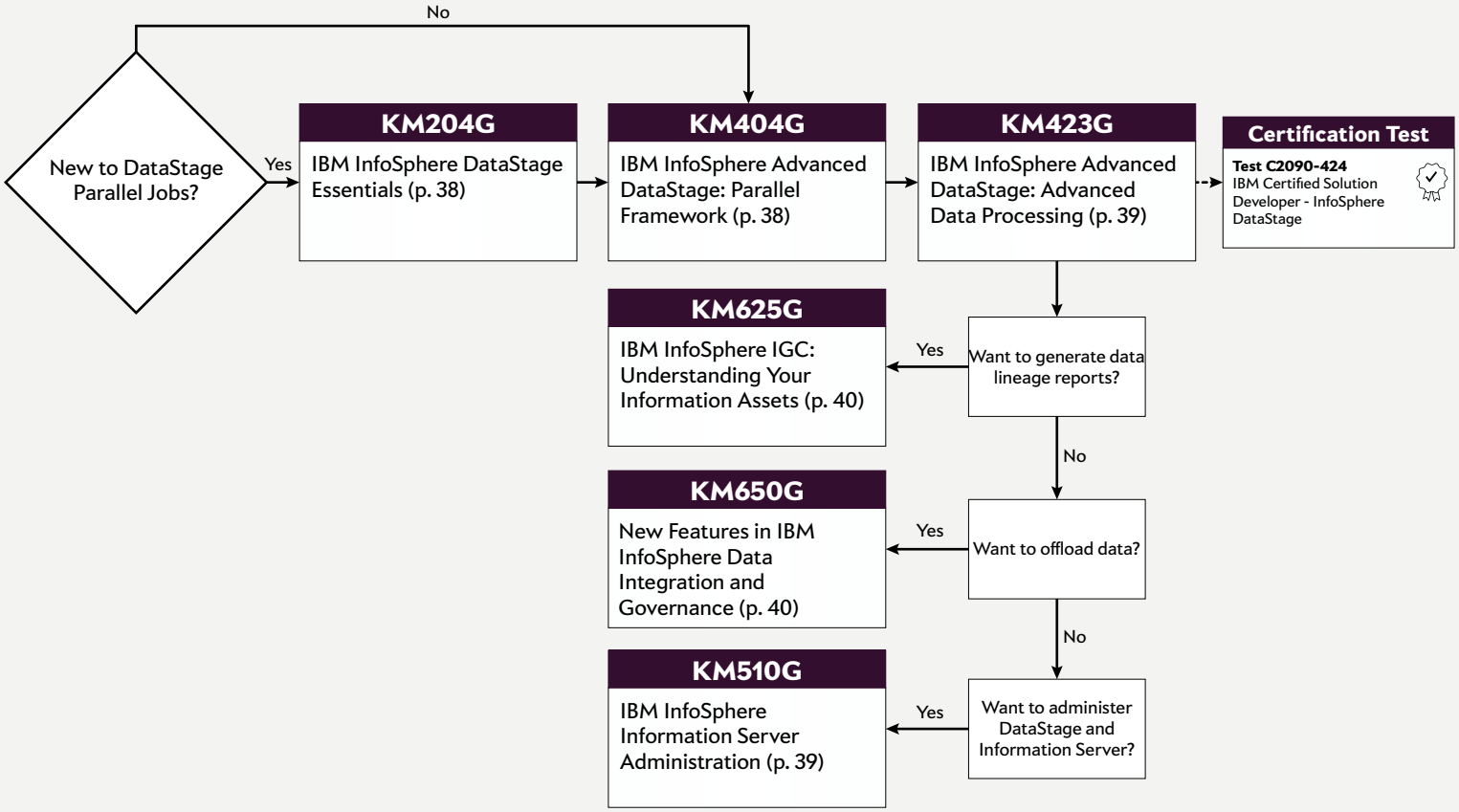
DATA QUALITY ARCHITECT

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



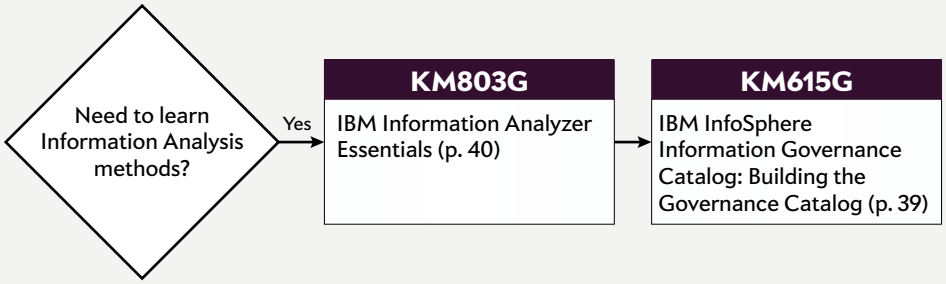
DATA INTEGRATION DEVELOPER

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



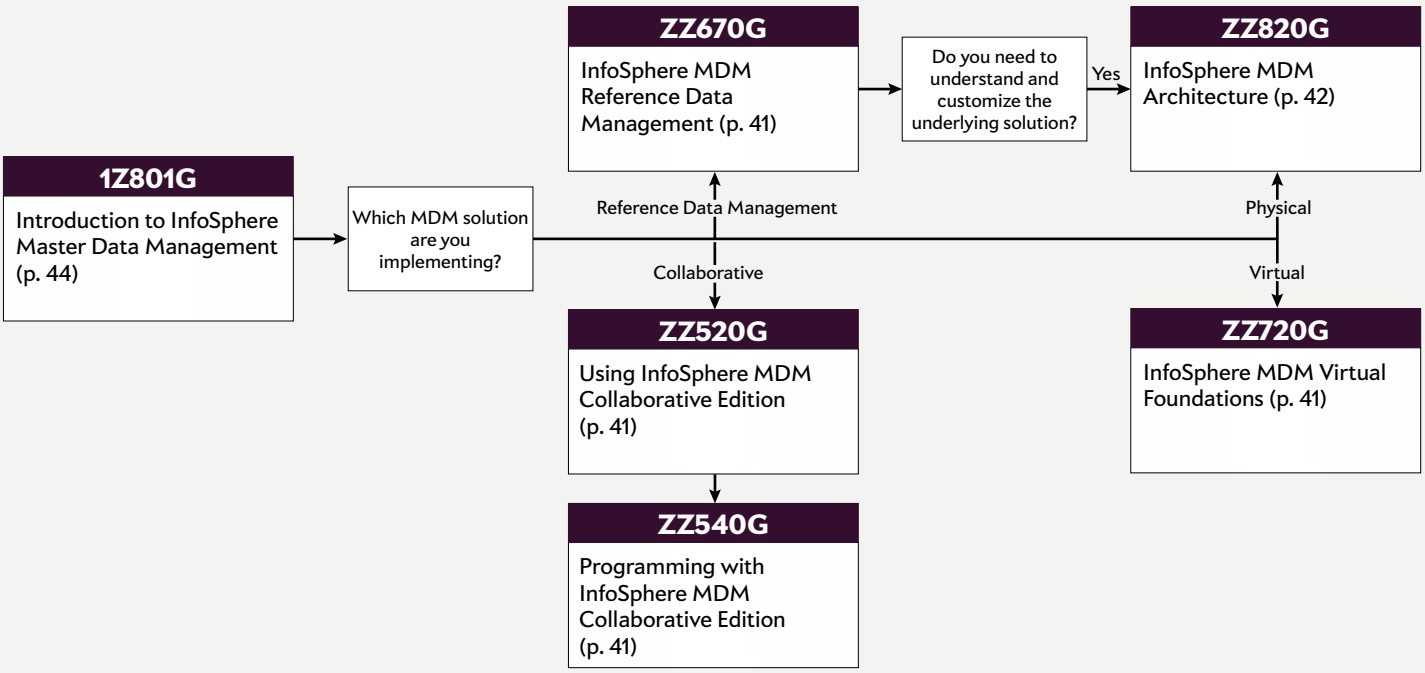
BUSINESS ANALYST/DATA STEWARD

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



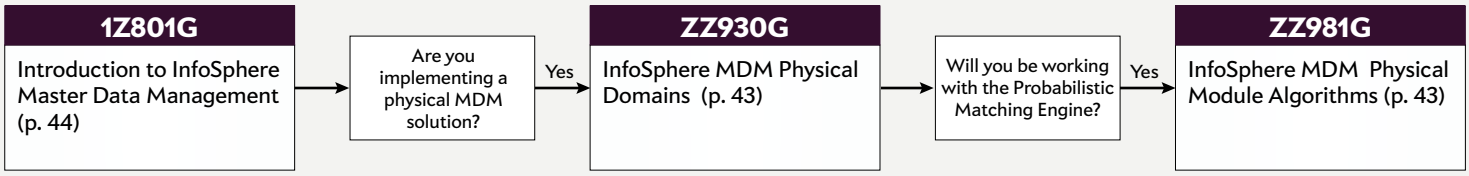
IBM INFOSPHERE MDM ARCHITECT

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



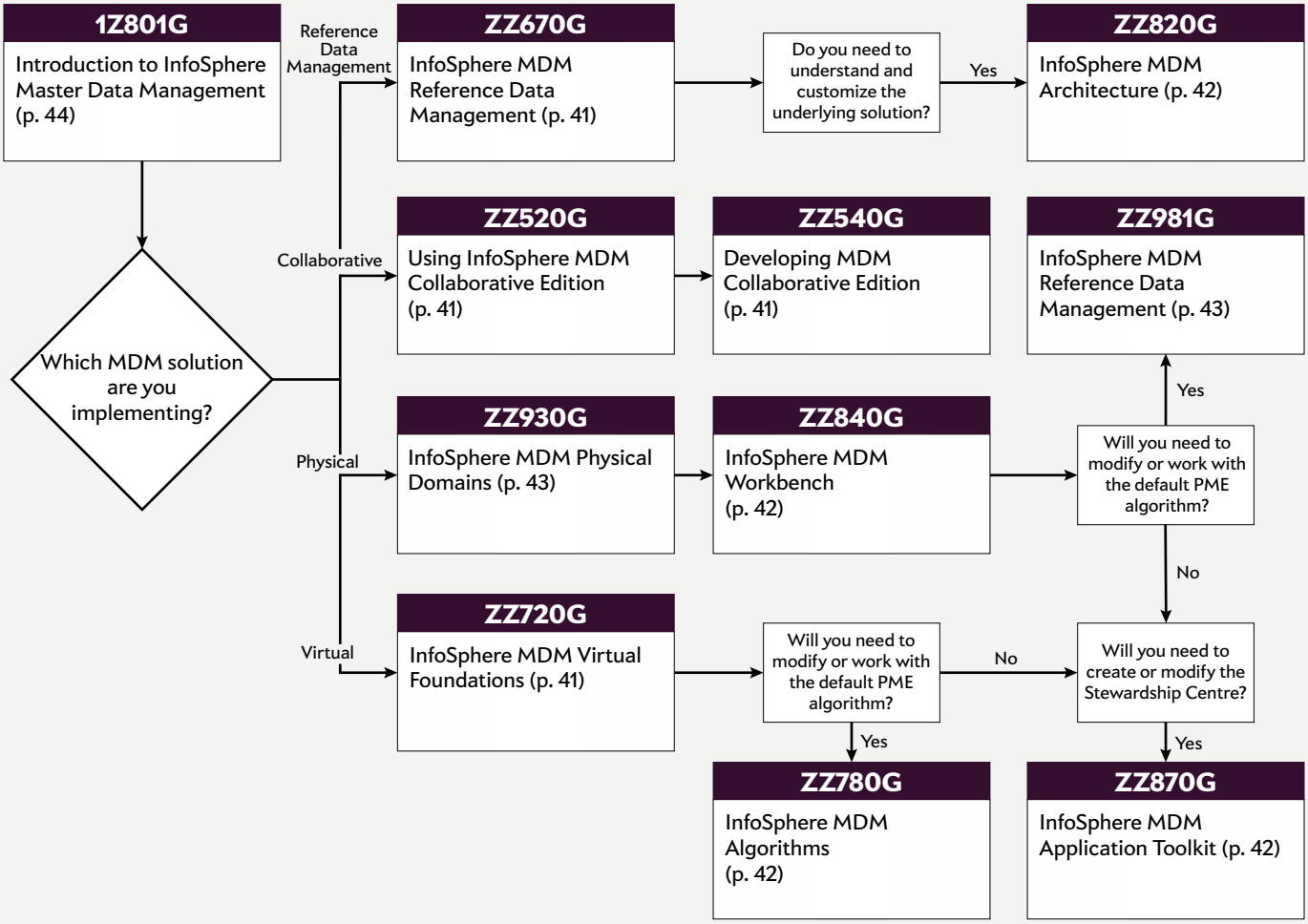
IBM INFOSPHERE MDM BUSINESS SPECIALIST

Implement Customization: As an IBM InfoSphere MDM business specialist implementing physical solutions, you are responsible for working with and customizing algorithm configurations deployed to the IBM InfoSphere MDM Probabilistic Matching Engine. Use this journey to build your skills in performing matching, linking, and searching fields. If you are implementing virtual, collaborative, or reference data management solutions, please refer to the "Data Steward" training path (page 34).



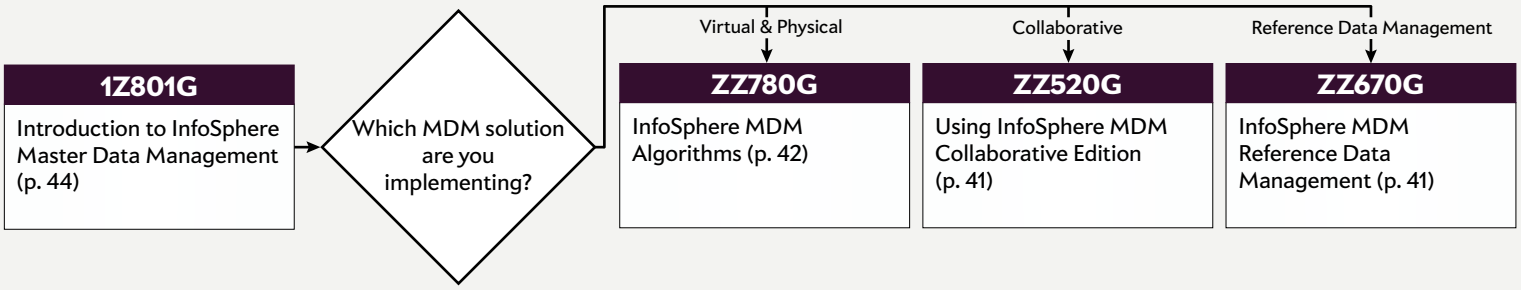
IBM INFOSPHERE MDM TECHNICAL SPECIALIST

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



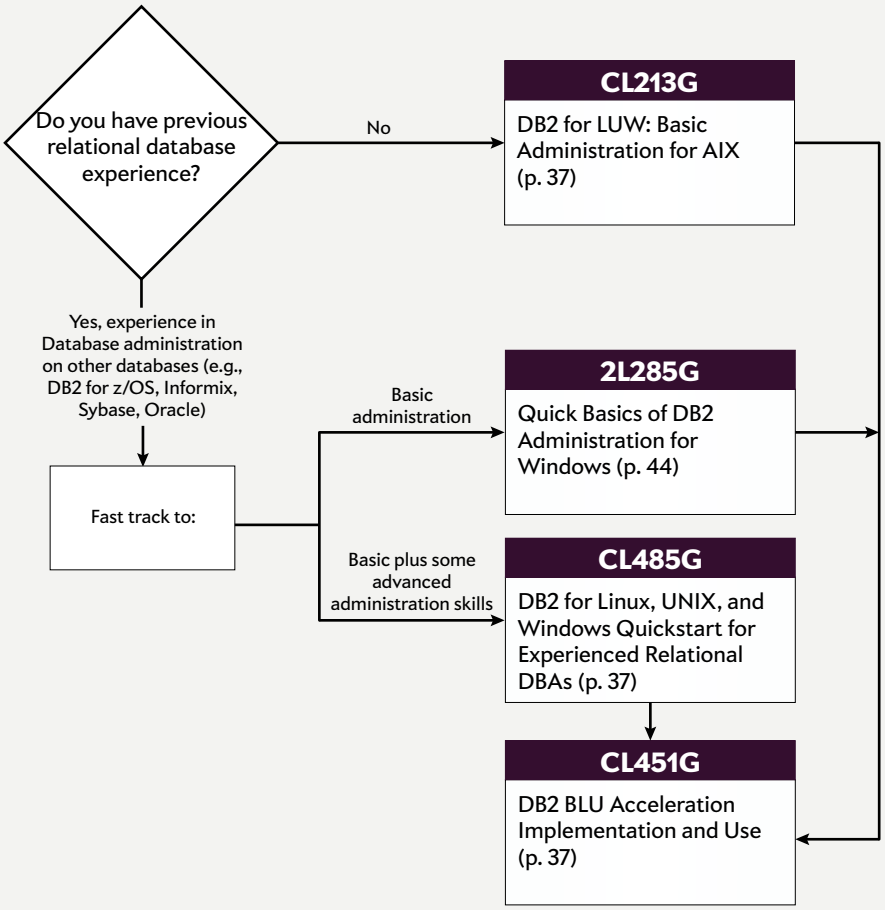
IBM INFOSPHERE MDM DATA STEWARD

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



DATABASE ADMINISTRATION IBM DB2 BLU ACCELERATION

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



CE031G

DB2 Family Fundamentals (2 days)

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

Audience:

» Students requiring an introductory knowledge of DB2

Prerequisites:

» Basic knowledge in data processing

CL2X3G

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

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

Audience:

» System administrators and database administrators

Prerequisites:

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

CL207G

DB2 Administration Workshop for Linux (4 days)

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

Audience:

» System administrators, database administrators, and technical personnel

Prerequisites:

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

CE121G

DB2 SQL Workshop (2 days)

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

Audience:

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

Prerequisites:

» Basic computer literary
» Basic editing skills

CE131G

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

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

Audience:

» End-users, application programmers, and database administrators

Prerequisites:

» Knowledge of coding and executing basic SQL statements
» CE121G - DB2 Workshop (page 36) *(recommended)*

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

CL451G

DB2 BLU Acceleration Implementation and Use (2 days)

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

Audience:

» Experienced database administrators

Prerequisites:

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

CL485G

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

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

Audience:

» Experienced database administrators and technical individuals

Prerequisites:

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

KM020G

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

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

Audience:

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

Prerequisites:

» None

KM204G

IBM InfoSphere DataStage Essentials (4 days)

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

Audience:

» TL developers and project administrators

Prerequisites:

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

KM213G

IBM InfoSphere QualityStage Essentials (4 days)

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

Audience:

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

Prerequisites:

» Familiarity with Windows OS, and a text editor

KM404G

IBM InfoSphere Advanced DataStage: Parallel Framework (3 days)

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

Audience:

» Project administrators and ETL developers

Prerequisites:

» KM204G - IBM InfoSphere DataStage Essentials (page 38) or equivalent experience
» Minimum of 1-year experience developing parallel jobs using IBM InfoSphere DataStage

KM413G

IBM InfoSphere Advanced QualityStage (4 days)

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

Audience:

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

Prerequisites:

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

KM423G

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

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

Audience:

» Experienced IBM InfoSphere DataStage developers

Prerequisites:

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

KM510G

IBM InfoSphere Information Server Administrative Tasks (1 day)

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

Audience:

» Users administering IBM Information Server and its product components

Prerequisites:

» None

KM615G

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

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

Audience:

» IBM Information Governance Catalog users

Prerequisites:

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

KM618G

IBM Stewardship Center for Information Server (1 day)

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

Audience:

» Data stewards and business users

Prerequisites:

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

KM625G

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

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

Audience:

» IBM InfoSphere Information Governance Catalog users

Prerequisites:

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

KM650G

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

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

Audience:

» Experienced users and developers

Prerequisites:

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

KM803G

IBM Information Analyzer Essentials (4 days)

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

Audience:

» Data analysts and/or data quality analysts

Prerequisites:

» Familiarity with Open Database Connectivity (ODBC) and relational database access techniques

» Data modeling experience would be helpful

ZZ520G

Using InfoSphere MDM Collaborative Edition (3 days)

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

Audience:

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

Prerequisites:

» None

ZZ540G

Programming with InfoSphere MDM Collaborative Edition (4 days)

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

Audience:

» Developers, solution architects, technical architects, and technical specialists

Prerequisites:

» ZZ520G - Using InfoSphere MDM Collaborative Edition (page 41) *(recommended)*
» Familiarity with eclipse based Integrated Development Environment
» 2-3 years of Java programming experience

ZZ670G

InfoSphere MDM Reference Data Management (2 days)

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

Audience:

» Technical specialists, support engineers, and system architects

Prerequisites:

» None

ZZ720G

InfoSphere MDM Virtual Foundation (3 days)

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

Audience:

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

Prerequisites:

» None

ZZ780G

InfoSphere MDM Algorithms (2 days)

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

Audience:

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

Prerequisites:

» Experience with InfoSphere MDM *(recommended)*

ZZ820G

InfoSphere MDM Architecture (3 days)

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

Audience:

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

Prerequisites:

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

ZZ840G

InfoSphere MDM Workbench (3 days)

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

Audience:

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

Prerequisites:

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

ZZ870G

InfoSphere MDM Application Toolkit (2 days)

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

Audience:

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

Prerequisites:

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

ZZ880G

Virtual Module Algorithms for InfoSphere MDM (2 days)

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

Audience:

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

Prerequisites:

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

ZZ930G

InfoSphere MDM Physical Domains (3 days)

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

Audience:

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

Prerequisites:

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

ZZ981G

InfoSphere MDM Physical Module Algorithms (3 days)

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

Audience:

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

Prerequisites:

» 1Z801G - Introduction to InfoSphere Master Data Management (page 44)
» ZZ780G - InfoSphere MDM Algorithms (page 42)

SELF-PACED VIRTUAL COURSES

1Z801G

Introduction to InfoSphere Master Data Management

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

Audience:

» Open

Prerequisites:

» None

1Z802G

IBM InfoSphere Master Data Management Fundamentals

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

Audience:

» Open

Prerequisites:

» None

2L285G

Quick Basics of DB2 Administration for Windows

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

Audience:

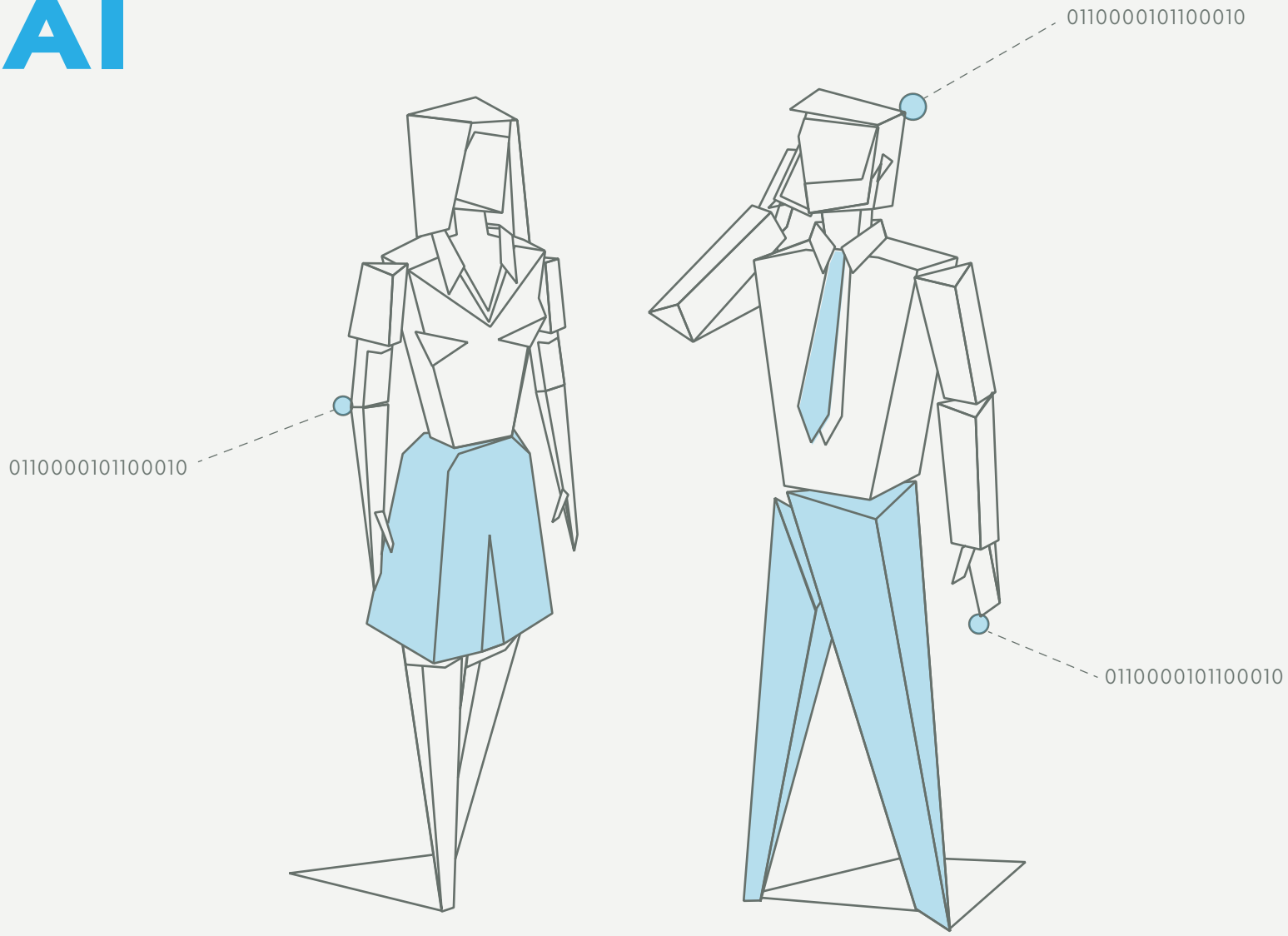
» Database administrators and technical individuals

Prerequisites:

» Knowledge of SQL and the ability to construct DDL, DML, and authorization statements

» Knowledge of basic relational database concepts and objects such as tables, indexes, views, and join

IBM WATSON AI



AVAILABLE TRAINING FORMATS:

- IN-CLASS
- INSTRUCTOR-LED ONLINE (ILO)
- SELF-PACED VIRTUAL CLASSES
- ON-SITE
- CUSTOMIZED
- EDUCATIONAL MENTORING

N0IWA

Introduction to IBM Watson Assistant (1 day)

This course provides students with the fundamental skills to build & deploy an AI-powered virtual assistant (chatbot) through different channels. Students will learn the core concepts including: Intents, Entities, Context Variables, and Dialog with respect to a virtual assistant and apply their knowledge by building their own bot.

Audience:

» Beginner to intermediate level Watson Assistant users

Prerequisites:

» None

N0WDWA

Introduction to IBM Watson Discovery For IBM Watson Assistant (1/2 day)

This course provides students with the fundamental skills to build & deploy an AI-search and insights engine (Watson Discovery) directly into their virtual assistant (chatbot). Students will learn the core concepts including: connecting data sources, relevancy training, smart document understanding, enrichments, building queries, dictionaries, stop words and integrating the solution with their bot.

Audience:

» Beginner to intermediate level Watson Discovery users

Prerequisites:

» None

W7070G

IBM Watson Assistant Methodology - WBT (1/2 day)

This self-paced course covers the methods of preparing for training and implementing an IBM Watson Assistant chatbot. It provides instruction on every step of the Assistant development process, including common use case review, user scenario development, vocabulary comprehension, data collection, tooling use and deployment.

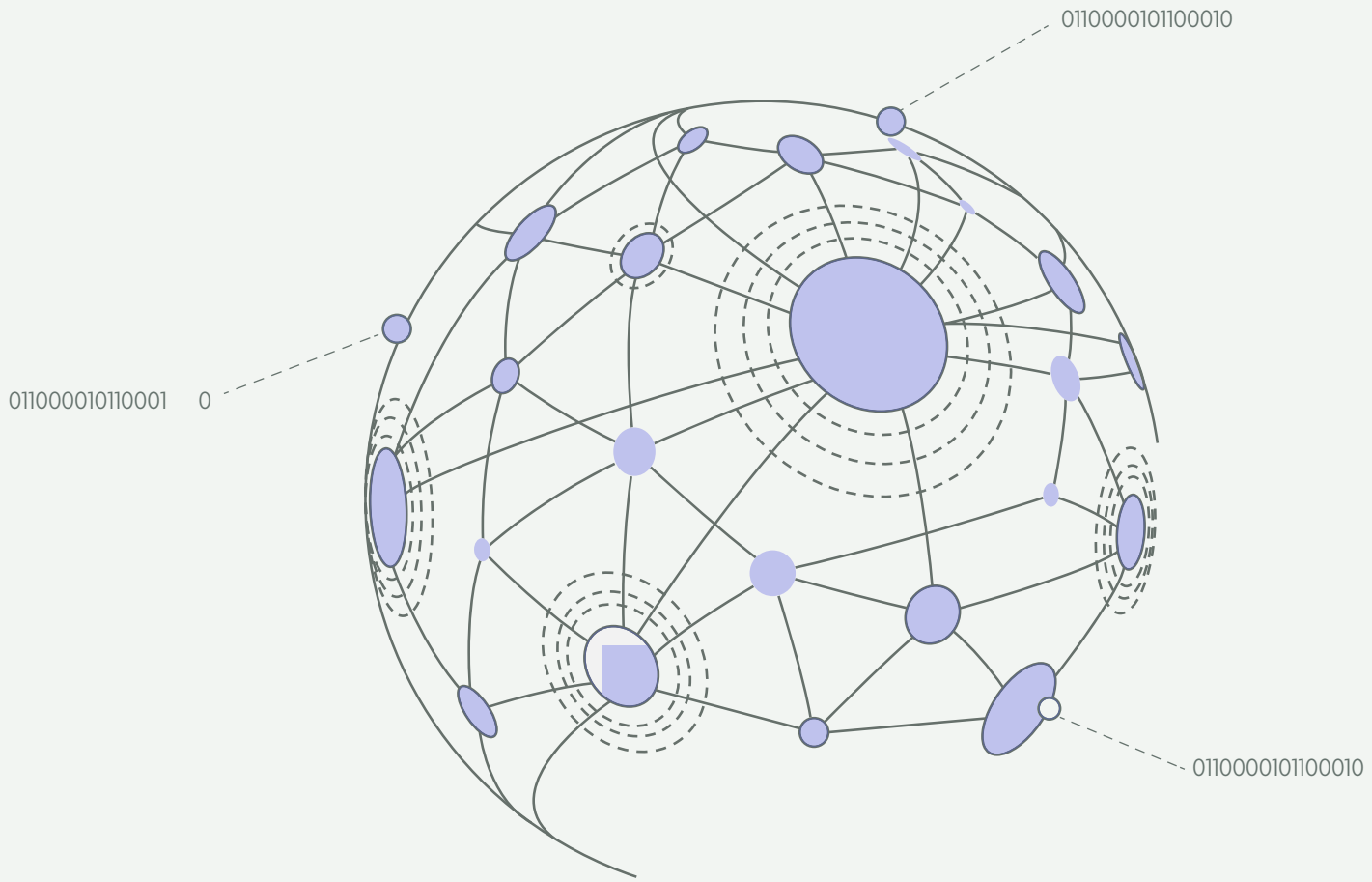
Audience:

» Developers, designers, and performance managers

Prerequisites:

» None

IBM CLOUD PAK FOR DATA



AVAILABLE TRAINING FORMATS:

IN-CLASS

INSTRUCTOR-LED ONLINE (ILO)

SELF-PACED VIRTUAL CLASSES

ON-SITE

CUSTOMIZED

EDUCATIONAL MENTORING

6X336G

IBM Cloud Pak For Data - Foundations - WBT (3/4 day)

This course will tell a holistic story of Cloud Pak for Data including collaboration across an organization, which is key in this platform. Applicable to all personas. Multiple use cases will provide an understanding of how organizations can benefit from Cloud Pak for Data. A variety of features will also be explored, providing students with insight on how to use the platform.

Audience:

» Data Engineer, Data Steward, Data Scientist, Business Analyst, Application Developer, Administrator

Prerequisites:

» General knowledge of IBM Cloud Private

6X334G

IBM SPSS Modeler for IBM Cloud Pak for Data - WBT (3/4 day)

IBM SPSS Modeler is a premium service for IBM Cloud Pak for Data. This course reviews the basics of how to import, explore, and prepare data, and introduces the student to machine learning models with SPSS Modeler for Cloud Pak for Data.

Audience:

» Analysts

Prerequisites:

» Knowledge of your business requirements

6X337G

IBM Cognos Analytics for IBM Cloud Pak for Data - WBT (3/4 day)

This course is intended as an overview of everything an author or analyst can do in the Cognos Analytics service in Cloud Pak for Data.

Audience:

» Analysts

Prerequisites:

» Knowledge of your business requirements

6X338G

IBM Watson Studio and IBM Watson Machine Learning for IBM Cloud Pak for Data - WBT (3/4 day)

SPSS Modeler is available on IBM Cloud Pak for Data. This course reviews the basics of how to import, explore, and prepare data, and introduces the student to machine learning models with SPSS Modeler on Cloud Pak for Data.

Audience:

» Those new to data science capabilities on Cloud Pak for Data

Prerequisites:

» Knowledge of your business requirements

6X340G

IBM Watson OpenScale for IBM Cloud Pak for Data - WBT (3/4 day)

This course teaches you how IBM Watson OpenScale for IBM Cloud Pak for Data lets business analysts, data scientists, and developers build monitors for machine learning (ML) models to manage risks. You will understand how to use Watson OpenScale to build monitors for quality, fairness, and drift. You will also learn how explanations of predictions helps provide business stakeholders confidence in the AI being launched into production.

Audience:

» Business analysts, data scientists, developers, researchers

Prerequisites:

» 6X336G - IBM Cloud Pak for Data: Foundations (page 48) or general knowledge of IBM Cloud Pak for Data

6X341G

IBM Watson Knowledge Catalog for IBM Cloud Pak for Data - WBT (1/2 day)

This course provides analysts an introduction to the basics of IBM Watson Knowledge Catalog for IBM Cloud Pak for Data. Learners will be introduced to the Cloud Pak for Data product layout and functionality and the role of services within the product. They will learn to access the Watson Knowledge Catalog through the service, and gain skills in creating catalogs, populating them with assets, and then managing the assets in the catalog.

Audience:

» Analysts, data stewards, data engineers

Prerequisites:

» 6X336G - IBM Cloud Pak for Data: Foundations (page 48) or general knowledge of IBM Cloud Pak for Data

6X342G

IBM Decision Optimization for IBM Cloud Pak for Data (3/4 day)

This course is designed to teach data scientists, Operational Research specialists, and business analysts how to build, run and deploy basic optimization models using IBM Decision Optimization for IBM Cloud Pak for Data. You will learn how to create projects to manage your resources, use the user-friendly Model Builder interface to build, run and visualize models, use different methods to formulate models, including using the Modeling Assistant for formulate your model in natural language. You will also learn how to import and use python notebooks to create your models, and how to deploy the solution to end users within Cloud Pak for Data.

Audience:

» Data scientists, operational research specialists, or business analysts

Prerequisites:

» Knowledge of your business requirements

WB318G

IBM Cloud Pak for Automation, Installation and Administration (2 days)

This course is designed to teach the skills that are needed to work with IBM Cloud Pak for Automation. Through a presentation and three hands-on lab exercises, students learn to deploy the IBM Operational Decision Manager (ODM) and IBM FileNet P8 Content Platform Engine products in containerized environments by using IBM Cloud Pak for Automation. They use Network File System (NFS), Db2, and Lightweight Directory Access Protocol (LDAP) as required by ODM and Content running in docker containers.

Audience:

» Administrators and operators responsible for installing and managing containerized environments

Prerequisites:

» Some experience working with Docker and Kubernetes
» Students should also have experience with, or prior education on, Red Hat Enterprise Linux and Red Hat OpenShift Container platform (RHOCP)

FREQUENTLY ASKED QUESTIONS

01 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, 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 the virtual lab environment 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 lab environment and 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.

02 Is there a specific sequence of courses I should take?

Yes, based on your role, there is a recommended training path. Please see the beginning of each product section for our 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, ext. 3**.

03 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.

04 Why is training not scheduled in my city?

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

05 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.

06 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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