IBM Cognos Analytics

Training Catalog

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PMsquare Training Services

Unlock the full potential of IBM Cognos Analytics with PMsquare's comprehensive training solutions.

Our training services are designed to empower organizations on their journey to success with IBM Cognos Analytics, serving as a crucial component of any upgrade plan. Tailored to meet the unique needs of both technical and business users, our programs equip your team with the essential skills for success.

Our expert instructors, located across the U.S. and Canada, combine extensive industry experience with practical teaching techniques. Each session is rooted in real-world applications, ensuring that learning is not just theoretical but highly relevant. With years of hands-on consulting experience with the very products they teach, our instructors make the learning process engaging and impactful.

To enhance efficiency, we've developed a curriculum based on best practices, delivering targeted skills to the right individuals - whether they're part of the initial project team or are end-users. Our training options are flexible, designed to fit your schedule with both on-site and live, instructor-led virtual options to accommodate distributed teams and diverse needs.

Additionally, we provide customized follow-up consulting sessions to bridge the gap between theory and practice. After training, our instructors can work alongside your team, applying key concepts directly to your data and projects. This hands-on approach accelerates learning, ensuring a seamless transition from training to production.

At PMsquare, we are committed to your team's success - empowering you to achieve your goals with confidence and speed.

CONTENTS

COGNOS ANALYTICS ROLES AND TRAINING PATHS

*For individual training, we offer tailored solutions that match the difficulty level to your team's needs and incorporate your own data for a personalized experience. Reach out to discuss the course you're interested in, and we'll work with you to customize it to your specific requirements.

Consumers	Business Users	Report Developers	Data Modelers	Administrators
Cognos Analytics Overview	Introduction to Report Authoring for Business Users	Introduction to Report Authoring	Modeling Metadata with Framework Manager	Server Administration and Cognos Administration
Using the Cognos Portal	Introduction to Dimensional Data for Business Users	Intermediate Report Authoring	Cognos Transformer	
	Building Dashboards and Stories	Report Authoring Active Reports	Data Modules	
	Building Data Modules	Advanced Report Authoring		
		Report Authoring Dimensional Reports		

Contact Us About Training Today!

Overview Courses

Cognos Analytics Overview

This course is an introduction to the Cognos Analytics environment. The class will introduce the key concepts of business analytics as well as introduce the tools in the Cognos Analytics product set and discuss how the tools are used to proved insight to the company. The class will also introduce the participants to the Cognos Analytics web portal and will demonstrate, with hands on examples, the full product suite for Cognos Analytics.

Audience

This course is a comprehensive overview useful for all users of Cognos Analytics.

Duration

One day

Overview of topics

Cognos Analytics
Content Explorer
Consuming Reports
Authoring Reports
Bringing in External Data
Modeling Own Data
Data Sets
Dashboards and Stories
Administration Options

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Overview Courses

What's New in Cognos Analytics

This course is an introduction to the Cognos Analytics environment for customers moving from Cognos 10 to Cognos Analytics. The class will focus on the changes to existing tools in the Cognos Analytics environment as well as introduce the exciting new tools in the Cognos Analytics product suite

Audience

This course is for all users of Cognos Analytics who have experience with Cognos 11.

Duration

One day

Overview of topics

Cognos Analytics
Content Explorer
Consuming Reports
Changes in Report Authoring
Uploading Files
Data Modules
Data Sets
Dashboards and Stories
Administration Options
Migrating Content to Cognos Analytics

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Consumer Courses

Cognos Analytics Overview

This course is an introduction to the Cognos Analytics environment. The class will introduce the key concepts of business analytics as well as introduce the tools in the Cognos product set and discuss how the tools are used to provide insight to the company. The class will also introduce the participants to the Cognos Analytics web portal and will demonstrate, with hands on examples, how consumers can run reports, set properties, schedule reports, create jobs, create report views, and navigate through the Cognos Analytics environment.

Audience

This course is for Cognos consumers and is a good starting point for all users.

Duration

One day

Overview of topics

Introduction to Cognos Analytics
Cognos Analytics Tools
Common Business Analytics Terminology
Cognos Analytics Web Portal Page Features
Toolbar Options
Navigating Cognos Analytics
Searching in Cognos Analytics

Managing Content
Running Reports
Report Options
Scheduling
Jobs
Run history
Report properties
Report views and shortcuts

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Business User Courses

Introduction to Report Authoring for Business Users: Relational Reporting

This Cognos Analytics course is designed to allow business users to create simple reports and analyze their data using relationally modeled packages. In this course, you will learn how to create reports with relational data sources using crosstabs, charts, and lists.

Audience

This course is for business and professional report authors.

Duration

One day

Overview of topics

Examine Cognos Analytics environment

Examine Cognos Analytics interactive report output functionality

Examine report authoring

Create reports (crosstabs, charts, lists)

Sort data output

Group related rows

Summarize data

Create calculations

Filter data

Prompt data

Highlight report data with conditional styles

Integrate external data

Discuss differences between building reports with relational sources vs dimensional sources (optional)

Business User Courses

Introduction to Dimensional Data Reporting for Business Users

This Cognos Analytics authoring course is designed to allow business users to create simple reports and analyze their data using OLAP cubes or dimensionally modeled packages. In this course, you will learn how to create reports with dimensional data sources using crosstabs, charts, and lists.
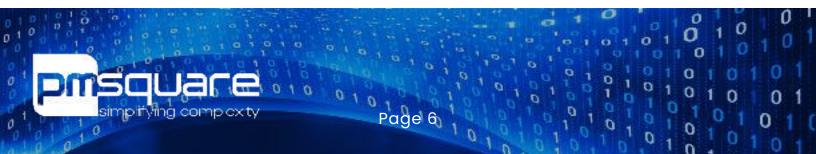
Audience

This course is for business and professional report authors.

Duration

One day

Overview of topics

- Examine Cognos Analytics environment
- Examine Cognos Analytics interactive report output functionality
- Examine report authoring
- Create reports (crosstabs, charts, lists)
- Sort data output
- Group related rows
- Summarize data
- Create calculations
- Filter data
- Prompt data
- Highlight report data with conditional styles
- Integrate external data
- Discuss differences between building reports with relational sources vs dimensional sources (optional)

Business User Courses

Building Dashboards and Stories: Cognos Analytics Dashboards

This course is designed to allow business users to create dashboards to analyze their data using the new Dashboard tool in Cognos Analytics. In this course, you will learn how to upload data or reference your existing data sources to build dashboards in Cognos Analytics.

Audience

This course is for consumers, business authors, and professional report authors.

Duration

One day

Overview of topics

Navigating IBM Cognos Analytics for dashboard creation
Uploading an external file as a source
Open an existing dashboard
Customize an existing dashboard
Set the dashboard as the Home page
Create a new dashboard
Choose a dashboard type and layout

Add data sources
Create a tabbed dashboard
Format, filter, and customize dashboard object
Working with visualizations
Linking and unlinking visualizations
Customize the dashboard for presentation
Add maps to the dashboard
Save and add the dashboard to Team Content

Business User Courses

Building Data Modules and Data Sets

This course provides business users with knowledge of metadata modeling concepts and how to model metadata using data modules in Cognos Analytics. They will be introduced to methods of creating data modules and basic modeling concepts. We will also review creating data sets and uploading files.

Audience

This course is for advanced business authors and professional report developers.

Duration

One day

Overview of topics

Navigating Cognos Analytics for data module creation
Using data modules
Identifying data modules and data sets
Uploading and selecting a file
Data servers
Adding tables to a data module
Identifying column usage types
Exploring modeling object properties
Identifying joins
Creating data sets
Introduction to building content using data modules

Report Developer Courses

Report Authoring: Introduction to Report Authoring | Relational Reporting

This Cognos Analytics course is designed to introduce beginner authors and business users to the concepts to creating simple reports and give them the ability to analyze their data using relationally modeled packages. In this course, you will learn how to create reports with relational data sources using crosstabs, charts, and lists.

Audience

This course is for business and professional report authors.

Duration

One day

Overview of topics

- Examine Cognos Analytics environment
- Examine Cognos Analytics interactive report output functionality
- Examine report authoring
- Create reports (crosstabs, charts, lists)
- Sort data output
- Group related rows
- Summarize data
- Create calculations
- Filter data
- Prompt data
- Highlight report data with conditional styles
- Integrate external data
- Discuss differences between building reports with relational sources vs dimensional sources (optional)

Report Developer Courses

Report Authoring: Intermediate Report Authoring | Building Reports

This intermediate report authoring for Cognos Analytics course is course for professional authors or for business users who want to learn more intermediate reporting techniques. It starts with an introduction to Cognos Analytics authoring, basic and intermediate report building techniques, and ways of enhancing, customizing, and managing professional reports in Cognos Analytics.

Audience

This course is for for professional report authors or more advanced business users.

Duration

One day

Overview of topics

Professional report authoring using list reports
Create a list report
Crosstabs
Charts
Aggregation
Filtering
Prompts and parameters
Calculations

Drill through reports
Master-detail reports
Customize reports with conditional formatting
Create a multi-page briefing book report with table of contents
Using the query explorer

Report Developer Courses

Report Authoring: Active Reports with Cognos Analytics

Creating Active Reports with Cognos Analytics is a course in which students use active report controls to build interactive reporting applications to create online/offline dashboards. Topics in the course converting to Active Reports, working with Active Reports controls and variables, using RAVE Visualizations in Active Reports, creating simple or complex Active Reports. The course also includes discussions on best practices for building Active Reports for mobile devices and dashboards.

Audience

This course is for for professional report authors.

Duration

One day

Overview of topics

Discuss the value of active reports
Examine active reports controls and variables
Convert an existing report to an active report
Review the various active reports toolbox items
Build reports using the toolbox items
Distinguish between filter and select
Examine decks and cards
Explore properties to use in active reports

Examine master-detail relationships and decks
Discuss best practices and guidelines for building active reports
Design active reports for mobile devices
Build a mobile report using slider and iterative controls
Review the process that should be followed when designing a Cognos active report dashboard.

Prerequisites

Intermediate report authoring (or equivalent experience).

Report Developer Courses

Report Authoring: Advanced Report Authoring with Cognos Analytics

The Advanced Reporting with Cognos Analytics course is designed for professional report writers who have previously attended the Cognos Report Studio or Cognos Authoring introduction/intermediate courses and would like to deepen their knowledge of building reports in Cognos Analytics.

Audience

This course is for report authors with experience in Report Studio or Cognos Analytics reports.

Duration

Two days

Overview of topics

Building reports using Query Explorer
Advanced Query Explorer techniques
Advanced report customization
Advanced Prompting
Prompting in calculations
Review Prompting API
Drill Through
Review the Report Specification
Bursting reports (optional)

Prerequisites

Intermediate report authoring (or equivalent experience).

Report Developer Courses

Report Authoring: Dimensional Reports with Cognos Authoring

The Dimensional Reporting with Cognos Authoring course is designed for professional report writers who need to build reports in Cognos Analytics using dimensional data sources (OLAP cubes, DMR/OOR sources, Dynamic Cubes). The course introduces dimensional reporting concepts and continues to build on that knowledge creating complex and efficient dimensional reports.

Audience

This course is for professional report authors.

Duration

One day

Overview of topics

Dimensional concepts
Dimensional data items
Focus dimensional reports
Dimensional calculations and functions
Member sets and navigation functions
Advanced drilling behavior

Prerequisites

Introduction to dimensional report authoring (or equivalent experience)

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Data Modeler Courses

Building Data Modules and Data Sets

This course provides business users with knowledge of metadata modeling concepts and how to model metadata using data modules in Cognos Analytics. They will be introduced to methods of creating data modules and basic modeling concepts. We will also review creating data sets and uploading files.

Audience

This course is for advanced business authors and professional report developers.

Duration

One day

Overview of topics

Navigating Cognos Analytics for data module creation
Using data modules
Identifying data modules and data sets
Uploading and selecting a file
Data servers
Adding tables to a data module
Identifying column usage types

Identifying column usage types
Exploring modeling object properties
Identifying joins
Creating data sets
Introduction to building content using data modules

Data Modeler Courses

Modeling Metadata with Framework Manager

The Metadata Modeling with Framework Manager course provides participants with knowledge on how to model metadata with Framework Manager using Cognos modeling recommendations as a modeling strategy. Initially, participants will review generic modeling structures and techniques as a foundation for the rest of the course. They will then be introduced to basic modeling concepts and naming conventions in the Framework Manager environment, followed by more complex concepts and techniques to resolve reporting traps. Throughout the course, participants will model both operational and star schema metadata for predictable results, as well as create a dimensional model to be used for OLAP style querying.

Audience

This course is for data modelers.

Duration

Two days

Overview of topics

Identify the purpose of Framework Manager and where it fits in the big picture
Prepare metadata
Model for predictable results
Identify common data structures and reporting traps
Create business views
Secure metadata to allow appropriate access by users
Model a star schema data source

Manage OLAP data sources
Identify generated SQL for modified query subjects
Identify generated SQL in complex queries
Optimize and tune Framework Manager Models
Use advanced parameterization techniques in Framework Manager

Prerequisites

Experience with relational management systems (RDBMS)

Data Modeler Courses

Cognos Transformer: OLAP Modeling

The Cognos OLAP Modeling course provides participants with knowledge of OLAP modeling concepts using Transformer. You will learn how to design, build, and maintain Power Cubes for use in Cognos Business Intelligence, so that the end-users can easily analyze.

Audience

This course is for data modelers.

Duration

Two days

Overview of topics

What is Transformer
Working with one or more data sources
Create Transformer Models
Create dimensions and measures
Working with the time dimension
Relative time categories and special categories

Roll-up functionality
Allocating measures
Create cubes
Cube groups and dimensional views
Optimize and tune cube builds
Cube security
Publishing cubes

System Administration Courses

Server Administration and Cognos Administration

The Cognos Analytics System Administration course is designed for individuals responsible for on-going administration of the BI system. Since the Cognos Analytics environment is different for every company, the content for this class is generally offered as a guided mentor opportunity. The instructor/consultant will work together with your administrators through your environment but will have a training environment available to demo and test the concepts covered.

Audience

This course is for system administrators.

Duration

One/Two day(s)

Overview of topics

Detailed Cognos Analytics system architecture overview
Hardware, software and network topologies
Applications and services
Data flows, memory, processing and communication bandwidth implications
Security configuration

Logging
Common troubleshooting tips
Recommended maintenance
Server administration

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