



IBM Cognos Training Offering

As a Premier IBM Cognos certified business partner, Infolink Consulting offers custom IBM Cognos training to organizations at exceptional value. Our training services lay a solid foundation to spur rapid delivery of information using IBM Cognos, ultimately improving information access throughout your entire organization.

Why choose Infolink?

We build on years of business intelligence (BI) and Enterprise Resource Planning (ERP) implementation, software training, and business process analysis experience.

Advantages

- ✿ Infolink trainers have spent time in multiple customer-facing roles covering a wide variety of business systems and data sources. Our experience leading business intelligence implementations, including the IBM Cognos software suite, provides the know-how to accurately respond to any question - even those not contained in the course materials.
- ✿ We work directly with **your** data sources instead of "sample" data sets to optimize trainees' time and further advance the business initiatives they support.
- ✿ Our training includes relevant practical tips and tricks rather than generic explanations of out-of-the-box functionality. We know IBM Cognos inside and out and understand what makes it different from other tools your developers may have used.

Infolink offers mentoring or training courses on the IBM Cognos business intelligence (BI) tools, TM1, and the ETL (extract, transform, and load) tool Data Manager. Let's first look at our BI tracks.



Three BI Learning Paths to Success

Infolink offers three BI training tracks designed to set your organization up for success. Your choice of training depends on the strategic objectives of your BI implementation.

The following diagram illustrates the three recommended tracks; however, we can work with your organization to customize a path specific to your needs.

For example, we can adjust a learning path based on your own experience with IBM Cognos. If you are brand new to IBM Cognos, the trainer focuses on fundamentals. If you are upgrading from Impromptu or ReportNet, the trainer points out major functionality and application architecture changes where applicable. If you are upgrading from an earlier version of IBM Cognos, new features and performance enhancements are identified and explored in detail. Regardless of your organization's starting point, Infolink assures that its trainers are versed on all the features of IBM Cognos available based on the version you are implementing.

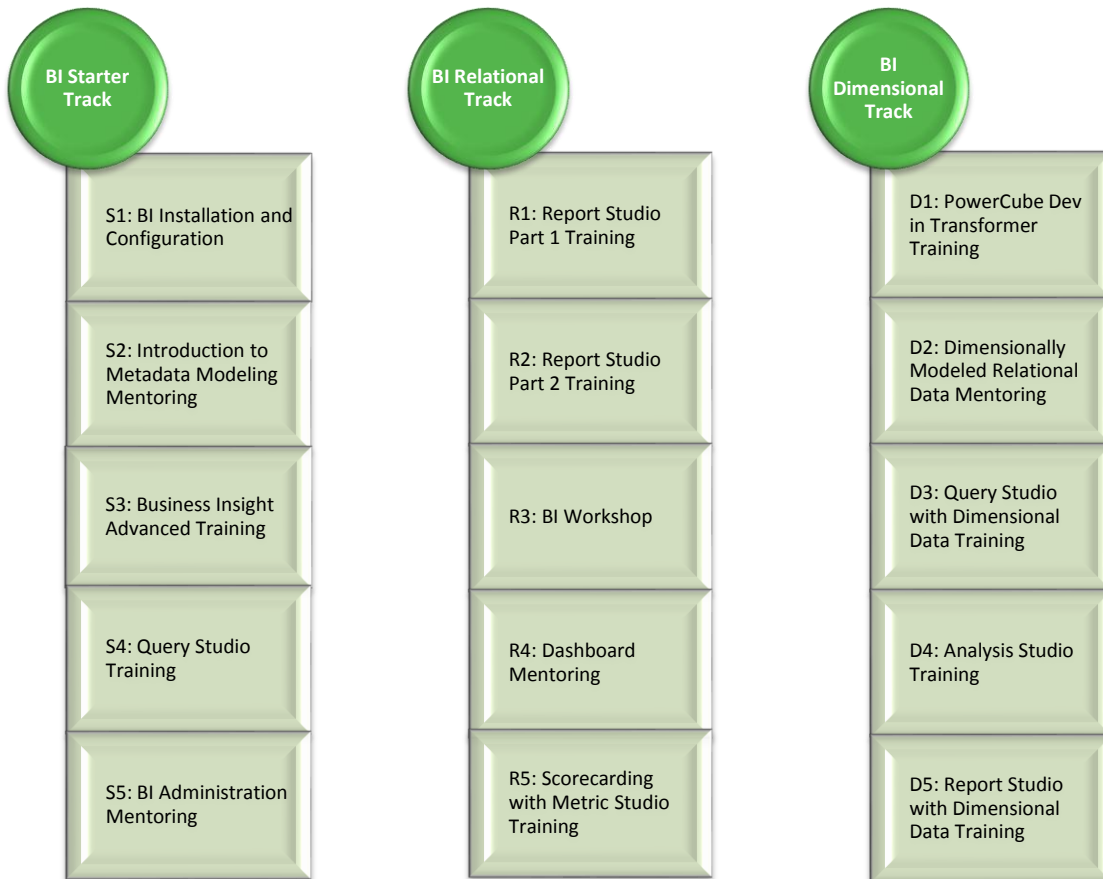
The course numbering can be used for ease of reference but does not necessarily reflect the order in which courses need to be taken. If you are a SunGard Banner customer, please also see Appendix A.



The goal of BI Starter Track is to provide new users with a correct understanding of the IBM Cognos BI toolset and get them up and running in IBM Cognos quickly.

We then recommend new users explore IBM Cognos functionality before entering the BI Relational Track. This set of courses is designed to solidify understanding of IBM Cognos and introduce new tools and functions into your organization.

The final track of the series is BI Dimensional Track. These advanced courses are intended for clients who are implementing IBM Cognos PowerCubes as part of their BI reporting and/or data warehousing strategy.





Which Infolink BI Courses May I Take?

Role	BI Administrator	BI Professional	BI Advanced Business Author	BI Enhanced Consumer
Component				
IBM Cognos Connection	No formal training required			
Business Insight	No formal training required			
Server Administration*	<ul style="list-style-type: none"> S1: BI Installation and Configuration S5: BI Administration Mentoring 	N/A	N/A	N/A
Framework Manager	<ul style="list-style-type: none"> S2: Introduction to Metadata Modeling Mentoring D2: Dimensionally Modeled Relational Data Mentoring 	N/A	N/A	N/A
Transformer	<ul style="list-style-type: none"> D1: PowerCube Development in Transformer Training 	<ul style="list-style-type: none"> D1: PowerCube Development in Transformer Training 	N/A	N/A
Metric Studio and Designer	<ul style="list-style-type: none"> R5: Scorecarding with Metric Studio Training 	<ul style="list-style-type: none"> R5: Scorecarding with Metric Studio Training 	N/A	N/A
Report Studio	<ul style="list-style-type: none"> R1: Report Studio Part 1 Training R2: Report Studio Part 2 Training R3: BI Workshop R4: Dashboard Mentoring D5: Report Studio with Dimensional Data Training 	<ul style="list-style-type: none"> S2: Introduction to Metadata Modeling Mentoring R1: Report Studio Part 1 Training R2: Report Studio Part 2 Training R3: BI Workshop R4: Dashboard Mentoring D5: Report Studio with Dimensional Data Training 	N/A	N/A
Query Studio	<ul style="list-style-type: none"> S4: Query Studio Training <i>OR</i> D3: Query Studio with Dimensional Data Training R3: BI Workshop 	<ul style="list-style-type: none"> S4: Query Studio Training <i>OR</i> D3: Query Studio with Dimensional Data Training R3: BI Workshop 	<ul style="list-style-type: none"> S4: Query Studio Training <i>OR</i> D3: Query Studio with Dimensional Data Training R3: BI Workshop 	N/A
Analysis Studio	<ul style="list-style-type: none"> D4: Analysis Studio Training R3: BI Workshop 	<ul style="list-style-type: none"> D4: Analysis Studio Training R3: BI Workshop 	<ul style="list-style-type: none"> D4: Analysis Studio Training R3: BI Workshop 	N/A
Business Insight Advanced	<ul style="list-style-type: none"> S3: Business Insight Advanced Training 	<ul style="list-style-type: none"> S3: Business Insight Advanced Training 	<ul style="list-style-type: none"> S3: Business Insight Advanced Training 	N/A

*Administrators who will only be maintaining the server and software install will only need these two courses.

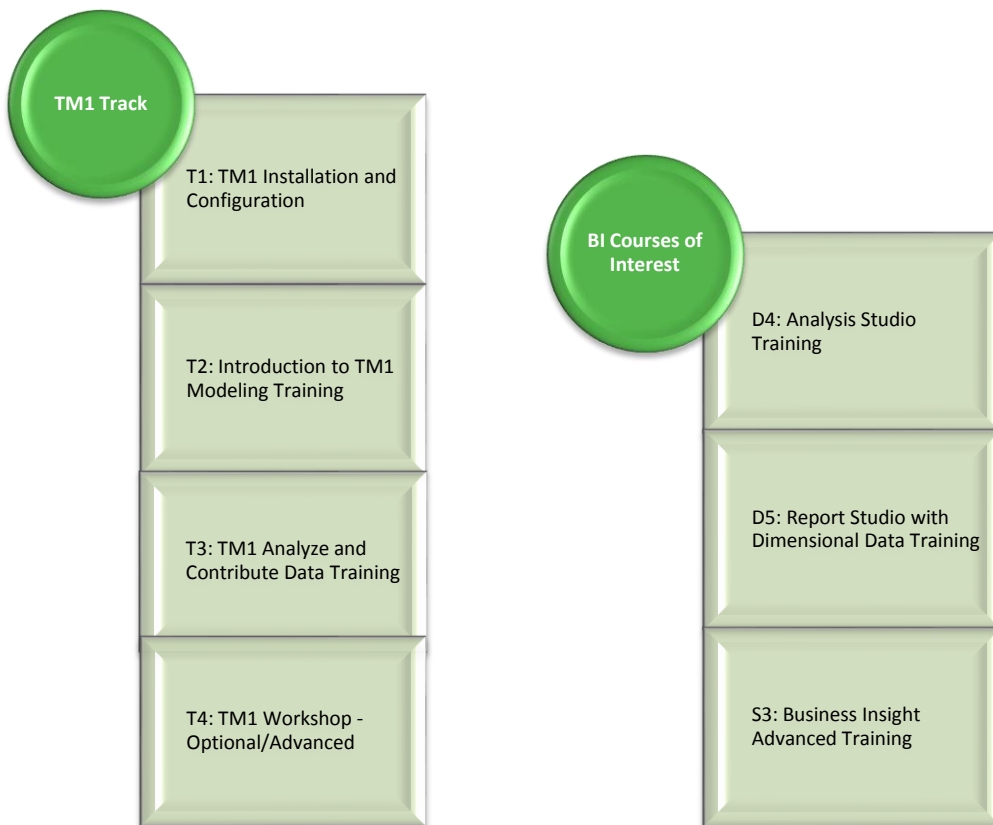
N/A = This component is not available to this license role.



Financial Performance Management with TM1

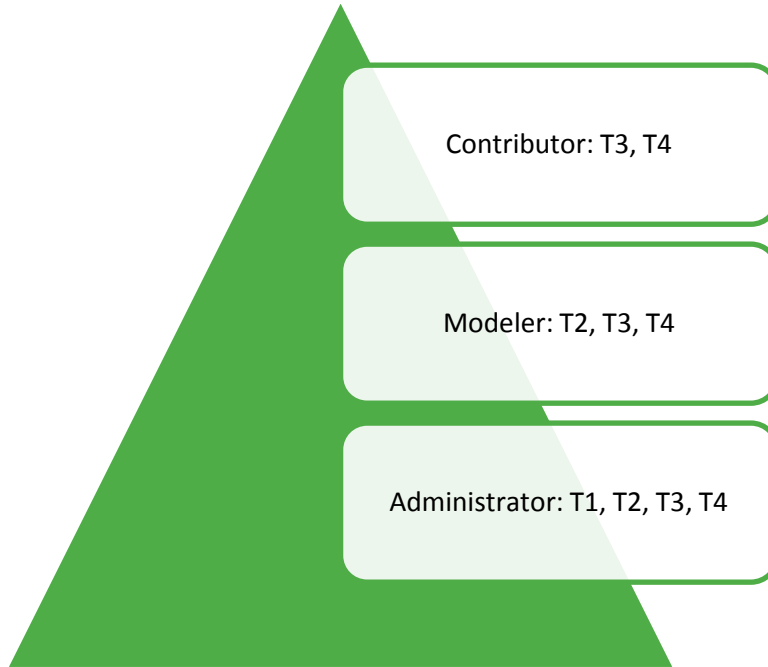
The goal of our TM1 Track is to teach you how to use IBM Cognos tools to help make better business decisions. Integrating actual, budget, and forecast data into one system enables decision makers to monitor performance and make informed decisions as your business environment changes.

With integrated BI functionality, the following Infolink BI courses would also be of interest:





Your IBM TM1 role determines which of our TM1 courses you may take:





ETL Track

Infolink also offers an intense three-day course on the IBM Cognos ETL tool, Data Manager:

Introduction to Data Manager Training (3 days)

Our Introductory Data Manager course offers a fast-paced introduction to the core principles and methods required to design and deliver subject oriented dimensional data marts for high performance reporting and analytics. We discuss where Data Manager fits in the overall architecture of an end-to-end solution created with the IBM Cognos suite of tools. Hands-on exercises provide students with opportunities to create the primary building blocks of dimensional data marts: hierarchies, dimension builds, and fact builds. More advanced topics include derivations, data validation, history preservation, and merging. The course culminates in a half day workshop in which students create a functional star schema data mart using techniques learned earlier in the course.

Corresponding IBM Cognos Roles: Data Manager

Prerequisites:

1. Experience with relational data modeling
2. Experience with writing SQL Select statements
3. Understanding of basic database optimization principles (i.e., indexing)



BI Starter Track

When beginning a BI project, it is crucial that the IBM Cognos environment be installed and configured properly to meet the demands and rigors of design, build, test, and training.

We recommend at least two separate environments in order to isolate the development activities from the production responsibilities. We understand that clients may be limited on hardware and software licenses, so we've collected a series of best practices to support a collapsed environment as well.

S1: BI Installation and Configuration (3 days)

Infolink Consulting's installation and configuration services offer a unique blend of not only installing and configuring the product but also mentoring and shadowing the individuals responsible for maintaining the environment(s). We highly recommend that your organization's IBM Cognos administrators attend and be heavily involved with this process to ensure proper knowledge transfer. Ideally, the install of the product should feel more like a "working session" rather than the standard vendor install.

If you are upgrading from an earlier version of IBM Cognos, this session can include conversion and migration techniques. Leveraging these techniques can drastically reduce the rework associated with upgrades.

This service includes, but is not limited to, the following (duration and price may extend based on number of options selected and client preparedness):

BI Installation and Configuration Standard Services

- Basic install on any supported platform (Windows, Linux, Unix, VMWare)
- Installation and configuration of:
 - ✓ Supported reporting data sources
 - ✓ Framework Manager
 - ✓ IBM Cognos Samples
- Configuration of security with any supported product (MS Active Directory, Novell, SunOne)
- Environment tuning

BI Installation and Configuration Optional Services

1. Installation and configuration of version control (CVS or VSS)
2. *Promotion strategy* (i.e., migration from development to test) - Identification and/or development
3. *Content organization strategy* – Identification and/or development



4. *Backup and restore procedures* - Identification and/or development
5. Integration of security with other applications including third party portals
6. Single sign-on (when supported)
7. Environment tuning: VMWare/IBM Cognos best practices
8. *Transformer* - Installation and configuration
9. *Metric Studio* - Installation and configuration
10. *Auditing* - Installation and configuration
11. *Go Office!* - Installation and configuration
12. *Go Dashboard!* - Installation and configuration
13. *CAFÉ* - Installation and configuration

Corresponding IBM Cognos Roles: BI Administrator

S2: Introduction to Metadata Modeling Mentoring (2 days)

This session provides a general overview of data modeling techniques with Framework Manager. Infolink works closely with the individuals responsible for data modeling to answer questions, ensure best practices are being met, and, if requested, set direction. The output of this training is a working data model that is capable of evolving to meet the report authors' or consumers' requirements.

Note: Given different data and query requirements of each organization, this is a mentoring session without formal training documentation. We can provide documentation upon request for specific talking points, but none is included as part of this offering.

Corresponding IBM Cognos Roles: BI Administrator, BI Professional, BI Professional Author

S3: Business Insight Advanced Training (2 days)

Students learn the fundamentals of Business Insight Advanced and how to create reports from relational and dimensional data. Students will be introduced to different report formats as well as using groups, filters, hierarchies, and calculations, through demonstrations and practice exercises. The course also demonstrates exciting new features of Business Insight Advanced such as integrating external data, analyzing data, and maximizing the visual effectiveness of your report.

Corresponding IBM Cognos Roles: BI Administrator, BI Professional, BI Professional Author, BI Advanced Business Author

Prerequisites:



A functional Framework Manager model and package to support the customized training. This is typically developed as part of “Introduction to Metadata Modeling Mentoring”.

A functional IBM Cognos PowerCube. This is typically developed as part of “Power Cube Development in Transformer”.

S4: Query Studio Training (3/4 day)

Students learn the fundamentals of Query Studio and how to create ad-hoc reports from relational data. Simple list reports are used to exercise the Query Studio functionality. A key to understanding report development in IBM Cognos is the auto aggregation concept; this topic, as well as grouping, filtering, and formatting, are discussed, demonstrated, and practiced. The course also demonstrates how data can be quickly and easily presented graphically or through crosstabs.

Corresponding IBM Cognos Roles: BI Administrator, BI Professional, BI Professional Author, BI Advanced Business Author, BI Business Author

Prerequisites:

A functional Framework Manager model and package to support the customized training. This is typically developed as part of “Introduction to Metadata Modeling Mentoring”.

S5: BI Administration Mentoring (2 days)

Administrators learn the fundamentals and advanced features supported with IBM Cognos. This includes, but is not limited to, security integration, service tuning, load balancing, and monitoring. This mentoring is intended to address the final touches through which an environment should go before you consider a production deployment.

Corresponding IBM Cognos Roles: BI Administrator

Prerequisites:

A security matrix identifying the roles of the various users is highly recommended.
A functional IBM Cognos environment.



BI Relational Track

Relational Track courses are essential to proper growth within the BI space. They provide a foundation to help you generate solutions for both simple reporting challenges and more complex problems your organization may face every day.

R1: Report Studio Part 1 Training (2 days)

Students learn the fundamentals of IBM Cognos Connection and Report Studio by creating basic list, crosstab, and repeater reports. Within those report types, concepts such as common formatting techniques, detail and summary filters, aggregations, and conditional formatting are included. A key to understanding report development in IBM Cognos is the auto aggregation concept, which students practice in detail.

Corresponding IBM Cognos Roles: BI Administrator, BI Professional, BI Professional Author

Prerequisites:

1. A functional Framework Manager model and package to support the customized training. This is typically developed as part of "Introduction to Metadata Modeling Mentoring".
2. Basic knowledge of SQL or other reporting tools/engines is recommended.

R2: Report Studio Part 2 Training (2 days)

Students build on knowledge gained in the Report Studio Part 1 class to fully understand those concepts and learn additional options. Advanced report writing techniques such as multi-query reports, bursting, and graphs are also part of this course. We cover tips for ultimate success, such as prompt page performance, drill through, and security filters. This class rounds out a developer's ability to be successful with Report Studio.

Corresponding IBM Cognos Roles: BI Administrator, BI Professional, BI Professional Author

Prerequisites:

1. Report Studio Part 1 Training.
2. We recommend at least three days of independent report development using Report Studio Part 1 concepts.



R3: BI Workshop (1 day)

This session allows each attendee to work on a client-provided business report request in a classroom setting with the support of a trainer. Every question from the class is collectively discussed, demonstrated, and documented. This workshop engages students in a real report development scenario and allows them to learn from other team members' experiences to ramp up knowledge rapidly. The actual number of attendees in each workshop day or half-day can vary, but we limit the total at any given time to ten due to the one-on-one attention required.

Corresponding IBM Cognos Roles: Course can be tailored to suit any role.

Prerequisites:

Report specifications to be used in the workshop.

R4: Dashboarding Mentoring (1 day)

Students learn the concepts of dashboarding, portlets, and pages. Students learn how to create a dashboard based on a design created by the student ahead of time. This gives students the knowledge they need to incorporate a report into a portlet and integrate that portlet into an existing or custom page. Portlet to portlet communication is discussed, and, if time allows, practiced.

Corresponding IBM Cognos Roles: BI Administrator, BI Professional, BI Professional Author

Prerequisites:

1. A functional Framework Manager model and package to support the customized training. This is typically developed as part of "Introduction to Metadata Modeling Mentoring".
2. Specifications for up to 3 dashboards.

R5: Scorecarding with Metric Studio Training (1 day)

Students learn the fundamentals of Metric Studio and learn how key performance indicators (KPIs) are defined, loaded, and monitored with Metric Studio. Students learn how performance can be tracked and reported against strategic objectives.

Corresponding IBM Cognos Roles: BI Administrator, BI Professional, BI Business Manager

Prerequisites:

Metric Studio and Designer installed. Infolink can assist with the installation and configuration of these components as well.



BI Dimensional Track

Dimensional data is data that can be viewed using multiple attributes with a variety of aggregation levels associated with them. Dimensional data also allows a user to drill up and down dimension levels, viewing the measures aggregated to that level. There are two types of dimensional data within IBM Cognos - Cubes and Dimensionally Modeled Relational (DMR) Data. Cubes are pre-calculated and limit complexity for ad-hoc users; they provide faster response time when compared to relational reporting and DMR but the data is not available in real time. With DMR, aggregations are not pre-calculated, so the data is available in real time but the query costs may slow down the user experience.

Because of the significant benefit IBM Cognos' dimensional data offers to organizations, it is important to stay up-to-date on the latest features of IBM Cognos dimensional data capabilities. These courses are designed to help the developer and business user get the most out of dimensional data.

D1: PowerCube Development in Transformer Training (2 days)

Students learn the steps involved to create and publish dimensional data to be used within the IBM Cognos studios. Course content includes the variety of options available to create cubes using Transformer. The focus and practice exercises are on the most widely accepted method(s).

Corresponding IBM Cognos Roles: BI Administrator, BI Professional, BI Business Analyst

Prerequisites: Previous Framework Manager experience is encouraged to maximize the benefit of this class.

D2: Dimensionally Modeled Relational Data Mentoring (1 day)

This course covers the basic steps to develop a DMR model. Students learn techniques to identify metadata and class them within levels, hierarchies, measures, and alternate drill paths. This course also covers best practices on modeling for performance.

Corresponding IBM Cognos Roles: BI Administrator

Prerequisites:

Introduction to Metadata Modeling Mentoring.

Functional IBM Cognos PowerCube.



D3: Query Studio with Dimensional Data Training (1 day)

Students learn the fundamentals of Query Studio and how to create ad-hoc reports from dimensional data. Simple list reports are used to exercise the Query Studio functionality. Topics such as grouping, filtering, aggregations, and formatting are discussed, demonstrated, and practiced. The course also demonstrates how data can be presented graphically or through crosstabs, quickly and easily. This course differs from the Relational Track Query Studio course because dimensions and levels are used in addition to relational data that uses query subjects and query items. Organizations typically select only one of the Query Studio classes and believe that provides enough content for them to succeed.

Corresponding IBM Cognos Roles: BI Administrator, BI Professional, BI Professional Author, BI Advanced Business Author, BI Business Author

Prerequisites:

A functional IBM Cognos PowerCube or Framework Manager DMR model to support the customized training. This is typically developed as part of “Power Cube Development in Transformer” or “Dimensionally Modeled Relational Data Mentoring”.

D4: Analysis Studio Training (1 day)

This course covers the fundamentals of Analysis Studio and how to construct an IBM Cognos analysis, manipulate the format, and create “drillable” reports and queries based on that analysis. Through lecture, discussion, and exercises, students learn how to understand dimensional data and how it can be used to make better business decisions. Techniques such as ranking, filtering, aggregations, and charting are demonstrated and exercised.

Corresponding IBM Cognos Roles: BI Administrator, BI Professional, BI Advanced Business Author, BI Business Analyst

Prerequisites:

A functional IBM Cognos PowerCube. This is typically developed as part of “Power Cube Development in Transformer”.



D5: Report Studio with Dimensional Data Training (1 day)

Students expand their knowledge of key Report Studio features as they create reports with dimensional data. Crosstab and list reports are used to exercise Report Studio functionality in the dimensional report context. Dimensional reporting concepts, functions, and hierarchies are presented as report development topics such as filtering, prompting, aggregations, and calculations are discussed, demonstrated, and practiced.

This course differs from the Relational Track Report Studio courses because dimensions and levels (and dimensional functions such as “tuples” and “slicers”) are used, as opposed to relational data that uses query subjects and query items. This requires a significant paradigm shift for even the most experienced SQL-based report writer. The course culminates with a business case workshop.

Corresponding IBM Cognos Roles:

BI Administrator, BI Professional, BI Professional Author

Prerequisites:

1. A functional IBM Cognos PowerCube or Framework Manager DMR model to support the customized training. This is typically developed as part of “Power Cube Development in Transformer” or “Dimensionally Modeled Relational Data Mentoring”.
2. Report Studio Parts 1 and 2 or equivalent experience



TM1 Track

T1: TM1 Installation and Configuration (2 days)

Infolink Consulting's installation and configuration services offer a unique blend of not only installing and configuring the product but also mentoring and shadowing the individuals responsible for maintaining the environment(s). We highly recommend that your organization's IBM Cognos TM1 administrators attend and be heavily involved with this process to ensure proper knowledge transfer. Ideally, the install of the product should feel more like a "working session" rather than the standard vendor install.

If you are upgrading from an earlier version of IBM Cognos TM1, this session can include conversion and migration techniques. Leveraging these techniques can drastically reduce the rework associated with upgrades.

This service includes, but is not limited to, the following (duration and price may extend based on number of options selected and client preparedness):

TM1 Installation and Configuration Standard Services

- Basic install on any supported platform (Windows, Linux, Unix, VMWare)
- Installation and configuration of:
 - ✓ TM1 Perspectives Client
 - ✓ TM1 Analytic Server and TM1 Web
 - ✓ IBM Cognos TM1 Samples
- Configuration of security with any supported product (MS Active Directory, Novell, SunOne)
- Environment tuning

TM1 Installation and Configuration Optional Services

1. TM1 Integrated Security with IBM Cognos Business Intelligence server
2. *TM1 Workflow* – To create and manage a workflow structure for your planning and budgeting activities
3. *TM1 Contributor* – Includes all the components of TM1 Web, plus additional functionality to design, deploy, and run managed planning applications based on TM1 data
4. *TM1 Viewer Portlets* – To view and edit TM1 data in the IBM Cognos BI Portal
5. *Backup and restore procedures* – Identification and/or development
6. Single sign-on (when supported)
7. System and Performance Monitoring



Corresponding IBM Cognos Roles: TM1 Administrator, TM1 Modeler, TM1 Contributor

T2: Introduction to TM1 Modeling Training (3 days)

Students learn the fundamentals of TM1 modeling techniques and best practices for application design, development, and maintenance. Course content focuses on a blend of understanding TM1 functionality, maintainability, and performance.

Functionality lessons include the creation of dimensions and creation of cubes as well as data flow, rules, and turbo integrator processes. Maintainability lessons include discussion of advanced uses of turbo integrator processes, metadata updates and dimensional maintenance, the control of administrative tasks, and data security. Performance lessons include understanding feeders and their impact on rules, designing cubes for reporting efficiency, and reviewing the TM1 locking model.

Creating, deploying, and using managed planning applications enabling users to contribute to plans and forecasts on the Web can also be covered if required. This course also allows time to answer questions, ensure best practices are being met, and, if requested, set direction.

Corresponding IBM Cognos Roles: TM1 Modeler, TM1 Administrator

T3: TM1 Analyze and Contribute Data Training (2 days)

Students are introduced to the components of the TM1 application and are taught the fundamentals of contributing and analyzing data within TM1 using a series of lectures and hands-on exercises. You will learn how to navigate within TM1 cubes, create views, and edit data using spread methods. Creating and publishing reports as well as using different interfaces to contribute planning data are covered, including a review of the TM1 worksheet functions available in MS Excel spreadsheets.

Corresponding IBM Cognos Roles: TM1 Contributor, TM1 Modeler, TM1 Administrator

Prerequisites:

1. A functional TM1 data server and model to support the customized training. These are typically developed as part of the Introduction to TM1 Modeling Training.
2. Basic knowledge of Microsoft Excel.



T4: TM1 Workshop – Optional/Advanced (1 day)

This session allows each attendee to work on architecture, development, and analysis of client-provided TM1 planning module requests in a classroom setting with the support of a trainer. Every question from the class is collectively discussed, demonstrated, and documented. This workshop engages students in a real report and input form development and use. It allows them to learn from other team members' experiences to ramp up knowledge rapidly. Students engage in an abbreviated discovery, design, implementation, and test process to produce the desired templates. The actual number of attendees in each workshop day or half-day can vary, but we limit the total at any given time to ten due to the one-on-one attention required.

Corresponding IBM Cognos Roles: TM1 Administrator, TM1 Modeler, TM1 Contributor

Prerequisites:

1. A functional TM1 data server and model to support the customized training. These are typically developed as part of the Introduction to TM1 Modeling Training.
2. Basic knowledge of Microsoft Excel.



Training Course Notes

Our customized materials and approach provide our clients with the ability to train additional users. Each Infolink training course includes the customization of our training materials to your data, the printed black and white course materials, report answer keys to tailored exercises that match the training materials, and the course instruction in your training room (we recommend 10 or fewer students per class to maximize individual attention). The offerings that do not have “Training” in the title do not include formal bound materials; these offerings are delivered in a mentoring fashion, which encourages students to take their own notes specific to their area of interest and to work with the instructor to clarify and add additional content.

The customization requires remote access to your IBM Cognos environment in addition to any technical prerequisites listed for each session. If the entire training offering is selected, Infolink creates all technical prerequisites. Once Infolink obtains access, we require about two weeks to tailor each course’s training objectives to your data, reworking each exercise as appropriate to meet your business needs in lieu of a more typical generic data set provided by most vendors. Our training developer works closely with your subject matter expert to identify sample reports that will make business sense to your end users. As we complete each chapter, we save reports at various stages to match the teaching objectives throughout the chapter. These reports are then secured at the end of training development to be available to students of the initial and all future course deliveries.

Pricing assumes use of a client-provided training facility with access to the client’s IBM Cognos instance and data.

Unlike other vendors, our customized training materials are what we do as a matter of course. Our experience has shown that students learn tools more quickly and retain information better when working with familiar data. Our customized materials are included in the course price and are retainable by our clients for internal use only. For this purpose, we also deliver an electronic version of each course’s training materials to enable additional customization, duplication, and the ability to train additional users. Another benefit of this approach is that end users can always go back as needed and at their convenience to review a training exercise, refresh their memories, and get additional practice.

Our courses are modular. Our exercises are hands-on and interactive, with instructor support and the opportunity to ask questions as needed. Each exercise follows a step-by-step approach to a task and highlights key points as “Notes” following the exercise. Each student completes each exercise successfully with individualized, over-the-shoulder support from the instructor as needed. We tailor all examples to our client data and business tasks. Students can ask questions throughout the training session, taking advantage of the face-to-face instruction.

Our training documentation is the sole property of Infolink Consulting. All rights are reserved. No part may be reproduced without authorization.

References are available at <http://www.infolinkconsulting.com/>.



Appendix A. SunGard Banner Customers

So, you've purchased the Banner Operational Data Store (ODS) and/or the Enterprise Data Warehouse (EDW). Now you are ready to start using it. More importantly, start using it optimally. To help you with that, we tailor our training courses specifically for the Banner ODS and EDW. We have implemented these training programs at several esteemed colleges and universities such as Denver University, Salt Lake Community College, and Johnson County Community College. These courses are customized to your organization's data, but can be offered at a lower cost since they are easily portable and standard across multiple clients. Please continue reading to get a better understanding of how we can help you achieve your goals through training, mentoring, and workshops.

The following notes point out what Infolink provides you in our Banner versions of selected courses.

S1: BI Installation and Configuration

Infolink Consulting's installation and configuration services also include the installation and configuration associated with the Banner metadata model that ships with the ODS offering.

Installation optional services:

1. Banner ODS in IBM Cognos
2. Banner EDW in IBM Cognos including automating cube builds

S2: Introduction to Metadata Modeling Mentoring

Our Banner version of this session provides a general overview of data modeling techniques with Framework Manager using the Banner Framework Manager model.

This mentoring session also demonstrates how Banner data that is excluded from the ODS model can be integrated into reports. We conduct exercises that show how drill throughs can be set up from Banner reports to other reports consuming data sources outside of ODS, such as Banner itself.

Reporting

Our Banner examples are based on the most common reporting areas, such as academic periods, colleges, departments, subjects, courses, enrollment counts, and credits.



S4: Query Studio Training

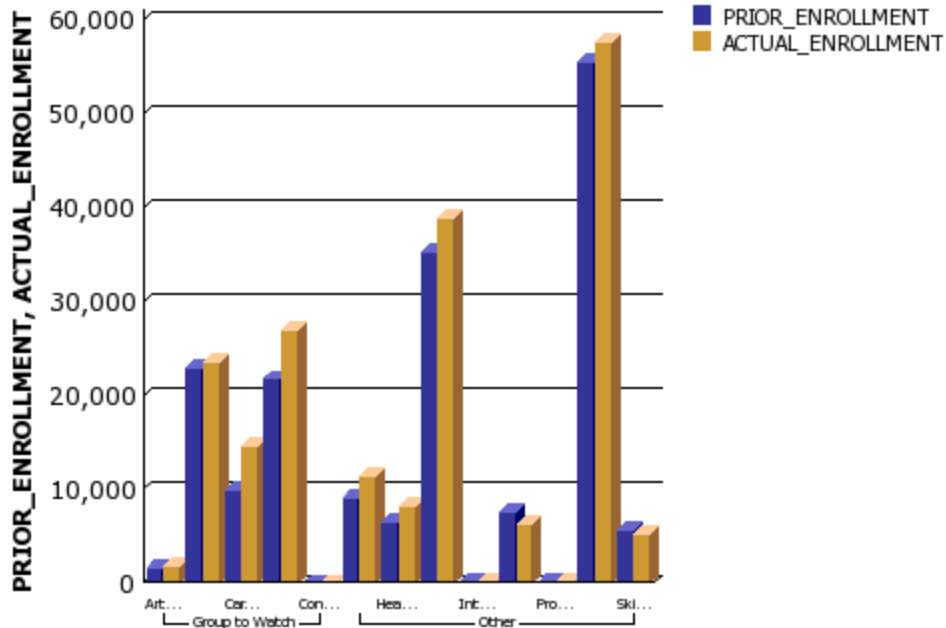
Below are sample Query Studio reports students can construct after they complete the course:

COLLEGE ^	DEPARTMENT ^	SUBJECT	CREDITS
Business	Accounting	Accounting	3,645
		Electronic College-Accounting	6
	Accounting		3,651
	Business Management	Administrative Professional	0
		Business	3,096
		Electronic College-Business	6
Management		2,359	
Business Management		5,461	

(The list)

ACTUALS	2003	2004	2005	2006	2007	2008	2009	Summary
Arts and Communication						1,760	1,060	2,820
Business			0	23,827	24,481	23,517	4,699	76,524
Career & Technical Education			93	12,485	13,332	14,676	1,524	42,110
Cont & Com Ed, Arts & Comm		29	2,238	29,884	29,553	26,880	3,431	92,015
Continuing Education	1,023	16	24	4	3	6		1,076
Credit Programs (Matriculated)	150,594	180,066	183,996	0				514,656

(The crosstab)



(The chart)

R1: Report Studio Part 1 Training

Below are sample Report Studio reports students can construct after they complete the course:

AMOUNT	Federal	Institutional Funds	Private or cash scholarships	State	GRAND TOTAL FOR FUND SOURCE
Grants	10,857,248	292,065	31,593	1,382,788	12,573,693
Loans	11,936,761	6,500			11,943,261
Scholarships	6,584	412,300	581,294	45,194	1,045,371
Tuition Waivers		1,384,702			1,384,702
Work-study	294,944				294,944
GRAND TOTAL FOR FUND TYPE	23,105,537	2,095,566	612,887	1,427,982	27,241,972

(The crosstab)



Student:	S00225300	Bartlett, Matthew V.
College:	CR	Credit Programs (Matriculated)
Degree:	AS	Associate of Science
Major:	CJ	Criminal Justice

Student:	S00524135	Behunin, Shayna R.
College:	CR	Credit Programs (Matriculated)
Degree:	AS	Associate of Science
Major:	GS	General Studies

Student:	S00565267	Bench, Chelsea L.
College:	CR	Credit Programs (Matriculated)
Degree:	AS	Associate of Science
Major:	SOC	Sociology

Student:	S00580524	Berthelson, Taylor P.
College:	CR	Credit Programs (Matriculated)
Degree:	AS	Associate of Science
Major:	GS	General Studies

Student:	S00247658	Bishop, Rachel A.
College:	CR	Credit Programs (Matriculated)
Degree:	AS	Associate of Science
Major:	GS	General Studies

Student:	S00132115	Bizek, Shannon
College:	CR	Credit Programs (Matriculated)
Degree:	AS	Associate of Science
Major:	CHEM	Chemistry

(The table)

D1: PowerCube Development in Transformer Training

The Banner EDW ships with pre-developed Transformer/Cube models. If you choose to leverage only what Banner provides, this course is optional and in most cases unnecessary. If you choose to develop your own Cubes, then this course is highly recommended.