

EKS&H Technology Training Offerings

EKS&H is a professional services firm headquartered in Denver, Colorado, that provides consulting, tax, and audit services to clients locally, nationally, and internationally. We have more than 600 employees, including 100 consulting professionals.

The EKS&H consulting team provides comprehensive business-focused strategies for information technology, accounting, transactions, and specialty tax solutions. Our collaborative team helps clients confidently make decisions to solve problems, seize opportunities, manage risk, and build value.

Our commitment to excellence has resulted in sustained growth since we were founded in 1978. We have been implementing business analytics systems involving integrated data warehouses and complex reporting for more than a decade.

Why choose EKS&H for training?

Training is one of EKS&H's signature service offerings. We offer IBM Cognos, IBM DataStage, Informatica and Tableau training to organizations, delivered at your location, at exceptional value. Our training services lay a solid foundation to spur rapid delivery of information, ultimately improving information access throughout your entire organization.

Our training offerings are built on years of business intelligence, performance management, data integration, enterprise resource planning ("ERP") implementation, software training, and business process analysis experience.

Advantages

- EKS&H trainers have spent time in multiple customer-facing roles covering a wide variety of business systems and data sources. Our experience leading business analytics implementations provides the know-how to accurately respond to any question - even those not contained in the course materials.
- In our formal, customized training courses we work directly with **your** data sources instead of sample data sets. This optimizes the trainees' time and further advances the business initiatives they support.
- Our training includes relevant practical tips rather than generic explanations of out-of-the-box functionality. We know IBM business analytics and Informatica data integration tools inside and out and understand what makes them different from other tools your developers may have used.

Advantages of Instructor-Led Training

- Entirety: Get an entire room of people up-to-speed on a new software or concept in one or two days. If a learner's only focus is on two days of training, they gain more knowledge, skills, and confidence in this devoted time than if they spent the same total hours spread over several weeks or months.
- Task-based, step-by-step student guides: Our student guides along with associated lessons and samples enable students to put the material "on the shelf" and then pick it back up a month from now, or as needed, and re-take all or portions of the course.
- Exercises: Adults learn best by doing. We build on skills acquired in task-based exercises with reporting scenarios your staff will likely see in the workplace.

Product Areas

EKS&H offers courses on IBM business intelligence ("BI"), performance management ("PM"), data integration ("DI"), predictive analytics ("PA") tools, Tableau business intelligence ("BI") tools, and Informatica's premier data integration ("DI") tool, as well as courses on Cybersecurity Awareness and Microsoft Office 2016 and Office 365 upgrade training for end users.

Available Courses

IBM Business Analytics

[Cognos BI – BI Administration Workshop](#)

[Cognos BI – BI Installation and Configuration Services](#)

[Cognos BI – BI Workshop](#)

[Cognos BI – BI and TM1 Integration Workshop](#)

[Cognos BI – Cognos Analytics V11 Introduction for End Users \(Consumers\) Delta Training \(2 hours\)](#)

[Cognos BI – Cognos Analytics V11 Introduction for Report Developers Delta Training \(1 day\)](#)

[Cognos BI – Cognos V10 Workspace Advanced Training](#)

[Cognos BI – Framework Manager Workshop](#)

[Cognos BI – Cognos Analytics V11 Report Developer Part 1 Training](#)

[Cognos BI – Cognos Analytics V11 Report Developer Part 2 Training](#)

[Cognos BI – Cognos V10 Report Studio Part 1 Training](#)

[Cognos BI – Cognos V10 Report Studio Part 2 Training](#)

[Cognos BI – Cognos Analytics V11 Report Developer with Dimensional Data Training](#)

[Cognos BI – Cognos V10 Report Studio with Dimensional Data Training](#)

[Cognos BI – Active Reports Workshop](#)

[Cognos BI – Dashboarding Workshop](#)

[Cognos BI – Cognos Analysis for Excel \("CAFE"\) Training](#)

[Cognos BI – Transformer: PowerCube Development Workshop](#)

Tableau BI and Visualization

[Tableau Desktop – Introduction to Authoring Classroom Training](#)

[Tableau Desktop – Intermediate/Advanced Authoring Classroom Training](#)

[Tableau Server – User Navigation & Workbook Interaction Classroom Training](#)

[Tableau Server – User Navigation & Workbook Interaction Video Training](#)

[Tableau Server – Server Administration Workshop](#)

IBM Performance Management

[Cognos TM1 – BI and TM1 Integration Workshop](#)

[Cognos TM1 – Developer Workshop Fundamentals](#)

[Cognos TM1 – Developer Workshop Advanced](#)

[Cognos TM1 – End User Training](#)

[Cognos TM1 – System Administration Workshop](#)

[Cognos TM1 – Ad-hoc Workshop](#)

Data Integration

[Informatica – Introduction to PowerCenter Workshop](#)

[Informatica – Fast Track to PowerCenter Administration Workshop](#)

Business Efficiency Courses

[Cybersecurity Awareness Training for End Users](#)

Delivery Format Explanations

EKS&H offers instruction in several formats.

Training courses are best suited to larger audiences (typically report developers and end users) who may be new to business analytics concepts and tools.

Workshops are aimed at smaller groups of technically advanced users (such as administrators and advanced developers) who are looking for hands-on direction using a new tool on a real-life project.

TRAINING COURSES

Each EKS&H instructor-led training course includes training materials customized to your data, printed black and white course materials, report answer keys to tailored exercises that match the training materials, and course delivery at your training facility. We recommend 10 or fewer students per class to maximize individual attention.

LECTURE COURSES

Each EKS&H instructor-led lecture course is a lecture-style class delivered onsite at your training facility. We recommend 25 or fewer students per class to maximize individual attention and participation.

WORKSHOPS

Each EKS&H workshop comprises one-on-one or small group coaching sessions onsite. Your team can choose the subject matter of the sessions or follow the suggested topics listed with each workshop description. Every question from the class is collectively discussed, demonstrated, and documented. A workshop engages students in a real development scenario and promotes collective problem solving aimed at leveraging each team member's experience in order to ramp up team knowledge rapidly.

Depending on the stage of your project and the availability and maturity of your data, workshops may be conducted on your data, on generic sample data, or a combination of both. Please refer to the individual workshop descriptions for details.

While there are no custom materials or deliverables prepared for workshop sessions, EKS&H has generic handouts available for selected topics. Customized videos for selected tasks may also be provided after the workshop.

Please see individual workshop descriptions for specific delivery information.

NOTES ABOUT OUR TRAINING COURSE FORMAT

Unlike other vendors, EKS&H provides customized training materials as standard. Our experience has shown that students learn the tools more quickly and retain information better when working with familiar data.

During course development, our training developer works closely with your subject matter expert to create sample reports that make business sense to your end users. We save the reports at various stages of completion to match the objectives of each exercise. Following training, the complete set of reports is made available for student practice and future course deliveries.

Course delivery is 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 following the exercise. Students complete each exercise with individualized, over-the-shoulder support from the instructor, as needed.

Our customized materials are included in the course price and are retainable by clients for internal use. Following training, we deliver an electronic version of each course's materials to enable customization, duplication, and training of additional users. Another benefit of the EKS&H approach is that materials are formatted so that end users can always go back as needed to review a training exercise, refresh their memories, and get additional practice.

The customization process for training courses requires remote access to your IBM Cognos environment in addition to any technical prerequisites listed for each session. Once EKS&H obtains access, we require about three weeks to tailor each course's training objectives to your data and prepare exercises that are appropriate to your business needs.

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

All training documentation is the sole property of EKS&H. All rights are reserved. No part may be reproduced without authorization.

Our instructors and training materials are highly regarded by our clients. Testimonials are available on our website.

BI Starter Track – Recommended Courses for Organizations new to BI

We recommend the following BI Starter track if your organization’s training goal is to provide new users with a good foundation on the IBM Cognos BI toolset and get them up and running in IBM Cognos quickly.

BI Starter Track
BI Installation and Configuration Services
Framework Manager Workshop
Report Developer Part 1 Training
BI Administration Workshop
Report Developer Part 2 Training

When beginning a BI project, it is crucial that the IBM Cognos environment is 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.

IBM Business Analytics Courses

Cognos BI – BI Administration Workshop (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, monitoring, and content organization strategy. This workshop is intended to address the final touches through which an environment should go before you consider a production deployment.

Corresponding IBM Cognos User Roles: Analytics Administrator, Forward Looking Analytics Architect

Prerequisites:

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

[Available Courses](#)

Cognos BI – BI Installation and Configuration Services (3 days)

EKS&H'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.

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 of one instance 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

Once the standard services are complete, as time allows during the remainder of the three days we can work on any of these in your determined priority order.

1. Installation and configuration of an additional instance (dev/prod for example)
2. Promotion strategy (i.e., migration from development to test) - Identification and/or development
3. Backup and restore procedures - Identification and/or development
4. Integration of security with other applications including third-party portals
5. Single sign-on (when supported)
6. Environment tuning: VMWare/IBM Cognos best practices
7. Upgrade techniques and planning from a prior BI tool including Cognos or other tools
8. Transformer - Installation and configuration
9. Metric Studio - Installation and configuration
10. Auditing - Installation and configuration
11. MS Office for IBM Cognos - Installation and configuration
12. CAFE - Installation and configuration

Corresponding IBM Cognos User Roles: Analytics Administrator, Forward Looking Analytics Architect

[Available Courses](#)

Cognos BI – 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 10 people due to the one-on-one attention required.

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

Prerequisites:

- Report specifications to be used in the workshop.

[Available Courses](#)

Cognos BI – BI and TM1 Integration Workshop (1 day)

Students learn the best practices for designing and deploying cubes for consumption by IBM Cognos BI tools for reporting and analysis. Content includes instruction on specifying the cube measure dimension and defining dimensional hierarchy levels, using alias attributes to display values of metadata, establishing the data source connection, publishing the package to Cognos Connection, and generating a simple report using the TM1 cube. The class discusses design decisions made when developing the Reporting Cube within TM1 and their impact to report generation.

Corresponding IBM Cognos TM1 User Roles: TM1 Administrator, TM1 Advanced (Blended Role)

Prerequisites:

- TM1 Developer/TM1 Administrator experience is strongly encouraged.
- Familiarity with Cognos Connection Administration and Framework Manager is encouraged to maximize the benefits of this course.

[Available Courses](#)

Cognos BI – Cognos Analytics V11 Introduction for End Users (Consumers) Delta Training (2 hours)

In this 2-hour training class students are introduced to IBM Cognos Analytics*. They are provided a general overview and introduction to IBM Cognos, including components, roles, and structure.

Through hands-on demonstration and practice exercises students understand and navigate the IBM Cognos Welcome Portal and learn how to view and consume reports using IBM Cognos Viewer. Students are also introduced to the basics of IBM Cognos Report Developer tools either through practice exercises or through instructor demonstrations. Lastly, the instructor demonstrates some of the capabilities of advanced report development which may include consumption of an Active Report or Dashboard.

Corresponding IBM Cognos User Roles: Analytics Information Distribution, Analytics User, Analytics Explorer

Prerequisites:

- A functional Framework Manager model and package to support the customized training. This is typically developed as part of our Framework Manager Workshop course.
- This course is intended for users who are brand new to IBM Cognos BI.

[Available Courses](#)

Cognos BI – Cognos Analytics V11 Introduction for Report Developers Delta Training (1 day)

Don't let an upgrade or implementation of the newest version of IBM Cognos slow down your team of Cognos Report Developers!

In this hands-on course, students are provided an introduction to the newest version of IBM Cognos Analytics V11. We've handpicked the topics we think most current IBM Cognos Report Studio and Workspace Advanced users need to know to hit the ground running when the new version is implemented.

Students see a tour of the new interface and, through step-by-step exercises, the certified IBM Cognos trainer walks the class through lessons on how to write list, crosstab, and chart reports while introducing the new interface. As with all of our Cognos training offerings, this class is full of tips, tricks, and ways to improve and enhance Cognos reports.

We conclude this class with an overview of the newest features of Cognos Analytics V11 that students may not have seen in previous versions.

Corresponding IBM Cognos User Roles: Analytics User, Analytics Explorer, Analytics Administrator

Prerequisites:

- Upgrade to or install IBM Cognos Analytics V11.
- This course is intended for users with prior experience and use of IBM Cognos Report Studio and/or Cognos Workspace Advanced.

[Available Courses](#)

Cognos BI – Cognos V10 Workspace Advanced Training (2 days)

Students learn the fundamentals of IBM Cognos Connection and Cognos Workspace Advanced and how to create reports from relational and dimensional data. Students are introduced to different report formats and will learn how to use groups, filters, hierarchies, and calculations through demonstrations and practice exercises. The course also demonstrates exciting features of Cognos Workspace Advanced such as analyzing data and maximizing the visual effectiveness of your report.

Corresponding IBM Cognos User Roles: Analytics User, Analytics Explorer, Analytics Administrator

Prerequisites:

- A functional Framework Manager model and package to support the customized training. This is typically developed as part of our Framework Manager Workshop course.
- A functional IBM Cognos PowerCube. This is typically developed as part of “Power Cube Development in Transformer.”

Your training data source can be derived from your planned production data source, using a simple PowerCube with drill-through to your relational package.

[Available Courses](#)

Cognos BI – Framework Manager Workshop (2 days)

EKS&H's Framework Manager Workshop consists of one-on-one or small group coaching sessions (2 to 4 people) for 2 days onsite. Your team can choose the subject matter of the sessions or follow the topics listed below.

Depending on the stage of your Framework Manager project and the availability and maturity of data, the workshop may be conducted on your own data or on generic sample data or a combination of both.

While there are no custom materials or deliverables prepared for workshop sessions, EKS&H has generic handouts available for most topics. In addition, at the completion of the workshop sessions EKS&H will provide up to 8 standard videos (up to 2 minutes in length) that show step-by-step performance of key hands-on tasks that are specific to client data or techniques. Or, in lieu of videos, the client may choose instead to have up to 2 hours of the trainer's time to ask and research questions that come up after the workshop.

BASIC TOPICS:

- Understanding Cognos architecture
- Install and configure Framework Manager and samples
- Explore Framework Manager
- Create a project and data source
- Import metadata
- Prepare metadata
 - Organize a project
 - Overview of joins
 - Create joins
 - Create the Business View
- Create and publish packages
- Review how packages are leveraged in the report development interfaces
- Option to also review advanced topics such as: maintaining the project, determinants, security, SQL types, tuning, and leveraging packages to build cubes.

Corresponding IBM Cognos User Roles: Analytics User, Analytics Explorer, Analytics Administrator

[Available Courses](#)

Cognos BI – Cognos Analytics V11 Report Developer Part 1 Training (2 days)

Students learn the fundamentals of IBM Cognos Analytics and Report Development 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 User Roles: Analytics User, Analytics Explorer, Analytics Administrator

Prerequisites:

- A functional Framework Manager model and package to support the customized training. This is typically developed as part of our Framework Manager Workshop course.
- Basic knowledge of SQL or other reporting tools/engines is recommended but not required.

[Available Courses](#)

Cognos BI – Cognos Analytics V11 Report Developer Part 2 Training (2 days)

Students build on knowledge gained in the Report Developer 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 Cognos Analytics Report Development.

Corresponding IBM Cognos User Roles: Analytics User, Analytics Explorer, Analytics Administrator

Prerequisites:

- Cognos Analytics Report Developer Part 1 Training.
- We recommend at least 3 days of independent report development using Cognos Analytics Report Developer Part 1 concepts.

[Available Courses](#)

Cognos BI – Cognos V10 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 User Roles: Analytics User, Analytics Explorer, Analytics Administrator

Prerequisites:

- A functional Framework Manager model and package to support the customized training. This is typically developed as part of our Framework Manager Workshop course.
- Basic knowledge of SQL or other reporting tools/engines is recommended.

[Available Courses](#)

Cognos BI – Cognos V10 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 User Roles: Analytics User, Analytics Explorer, Analytics Administrator

Prerequisites:

- Report Studio Part 1 Training.
- We recommend at least 3 days of independent report development using Report Studio Part 1 concepts.

[Available Courses](#)

Cognos BI – Cognos Analytics V11 Report Developer with Dimensional Data Training (1 day)

In the EKS&H Report Developer with Dimensional Data training students expand their knowledge of key Cognos 11 report development features as they create reports with dimensional data. Crosstab reports are used to exercise report development 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 development 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 User Roles: Analytics User, Analytics Explorer, Analytics Administrator

Prerequisites:

- A functional IBM Cognos PowerCube or Framework Manager DMR model to support the customized training. This is typically developed as part of the “Transformer: PowerCube Development Workshop” offering.
- We recommend Report Developer Part 1 and Part 2 Training or equivalent experience.

[Available Courses](#)

Cognos BI – Cognos V10 Report Studio with Dimensional Data Training (1 day)

In the EKS&H Report Studio with Dimensional Data training students expand their knowledge of key report development (Report Studio) features as they create reports with dimensional data. Crosstab and list reports are used to exercise report development (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 development (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 User Roles: Analytics User, Analytics Explorer, Analytics Administrator

Prerequisites:

- A functional IBM Cognos PowerCube or Framework Manager DMR model to support the customized training. This is typically developed as part of the “Transformer: PowerCube Development Workshop” offering.
- We recommend Report Developer (Report Studio) Part 1 and 2 Training or equivalent experience.

[Available Courses](#)

Cognos BI – Active Reports Workshop (2 days)

In the EKS&H Active Reports Workshop students are provided with a fast-paced introduction to IBM Cognos Active Reports. In this course, students build on their report developer (Report Studio) experience by using active report controls to create highly interactive reports that can be consumed by users. Participants apply their knowledge to author active reports containing pre-packaged data which can be distributed and viewed by users when a data source is not available.

BASIC TOPICS:

- Understand capabilities of Active Reports, including toolbox items and report objects
- Understand limitations
- Create business case
- Create and deploy Active Reports

ADVANCED TOPICS:

- Extensible “RAVE” Visualizations (10.2.1)

Corresponding IBM Cognos User Roles: Analytics User, Analytics Explorer, Analytics Administrator

Prerequisites:

- We recommend Report Developer Part 1 and Part 2 Training, or equivalent experience, and at least 5 days of independent report development using Report Developer concepts.

[Available Courses](#)

Cognos BI – Dashboarding Workshop (1 day)

In the EKS&H Dashboarding Workshop 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 User Roles: Analytics User, Analytics Explorer, Analytics Administrator

Prerequisites:

- A functional Framework Manager model and package to support the customized training. This is typically developed as part of our Framework Manager Workshop course.
- Specifications for up to 3 dashboards.

[Available Courses](#)

Cognos BI – Cognos Analysis for Excel (CAFÉ) Training (1/2 day)

In the EKS&H Cognos CAFÉ training students learn the fundamentals of IBM Cognos Analysis for Excel. This tool brings the benefits and familiarity of Excel to the arena of Cognos.

In this course students are introduced to the features and capabilities of CAFÉ and, through demonstrations and task based practice exercises, learn how to connect your data sources from within Excel and integrate IBM Cognos data into spreadsheets for further analysis, formatting, and layout options. At the end of this class is a workshop where students apply and practice what they learned.

Topics include creating list and crosstab reports, drilling down, adding calculated fields, applying an alias, recording and renaming dimension elements, editing member lists, utilizing and formatting flex views, publishing reports, and using Cognos BI.

Corresponding IBM Cognos User Roles: Analytics Explorer, Analytics Administrator

[Available Courses](#)

Cognos BI – Transformer: PowerCube Development Workshop (2 days)

In the EKS&H Transformer PowerCube Development Workshop students learn the steps involved to create and publish dimensional data to be used within IBM Cognos for report development. Course content includes a 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 User Roles: Analytics Explorer, Analytics Administrator

Prerequisites:

- To maximize the benefit of this class, previous Framework Manager experience is encouraged.

[Available Courses](#)

Tableau Courses

Tableau Desktop – Introduction to Authoring Classroom Training (2 days)

The EKS&H Introduction to Tableau Desktop Training course is designed to help each user build a foundation of Tableau competence, moving from relatively simple visualizations to complex visualizations before combining the information in interactive dashboards and stories.

Students navigate the Tableau interface and develop visualizations and dashboards through hands-on practice exercises demonstrated by the instructor. Throughout the two days, students apply the content learned through self-directed exercises that mimic “real world” development scenarios and promote collective problem-solving. The instructor demonstrates how he/she would approach the problem and discuss alternative strategies with the class. Our objective is to enable every student to apply his/her newly acquired Tableau Desktop skills to organization-specific problems, the minute class ends.

Topics include:

- Building familiarity with the Tableau user interface
- Working with filters, sets, and groups
- Using special field types such as date dimensions and geographic roles
- Creating calculations
- Expanding on visualizations such as dual axis charts, histograms, and highlight tables
- Building dashboards and stories
- Distributing and publishing

Each student receives a printed and bound training manual. For Fully-customized classes, EKS&H also provides a PDF copy of the training manual.

[Available Courses](#)

Tableau Desktop – Intermediate/Advanced Authoring Classroom Training (2 days)

Intermediate authoring training is targeted towards students who attended the Introduction to Tableau training course, or who have several hands-on months with Tableau Desktop. We help students further enhance their Tableau skills by working with intermediate and advanced concepts. The class format mirrors that of the Introduction class.

Topics include:

- Parameters (e.g., dynamic measure selection)
- Statistical techniques (e.g., trend lines, forecasts)
- Distribution techniques (e.g., box and whisker plots)
- Multiple data source workbooks (e.g., cross database joins, blending, unions)
- Advanced visualizations (e.g., waterfall charts, bar code charts, motion charts)
- Advanced calculations (e.g., level of detail calculations)
- Advanced mapping (e.g., spatial data sources, utilizing files with latitude/longitude information)
- Intermediate Dashboarding techniques (e.g., dashboard actions, navigating between dashboards)

Each student receives a printed and bound training manual. For Fully-customized classes, EKS&H also provides a PDF copy of the training manual.

[Available Courses](#)

Tableau Server – User Navigation & Workbook Interaction Classroom Training (1/2 day)

Our fully-customized Tableau Server user class enables your staff to navigate Tableau Server as well as interact with workbooks, worksheets, dashboards and stories. Our onsite trainer addresses questions and works through user reporting scenarios.

Topics include:

- Tableau Server user interface description.
- Scheduling report delivery to the user's email inbox (e.g., each Monday at 2AM).
- Interacting with worksheets, dashboards and stories, including:
 - Tooltips
 - Filters
 - Parameters
 - Hierarchies
 - Dashboard actions

Each student receives a printed and bound training manual. For Fully-customized classes, EKS&H also provides a PDF copy of the training manual.

[Available Courses](#)

Tableau Server – User Navigation & Workbook Interaction Video Training

Our fully-customized Tableau Server User videos enable your staff to navigate Tableau Server as well as interact with workbooks, worksheets, dashboards and stories.

Videos:

- Navigating Tableau Server:
 - Stepping through the Tableau Server user interface.
 - Scheduling report delivery to the user's email inbox (e.g., each Monday at 2AM).
- Interacting with Workbooks: Worksheets, dashboards and stories, including:
 - Tooltips
 - Filters
 - Parameters
 - Hierarchies
 - Dashboard actions

EKS&H provides the fully-customized videos for your future use.

[Available Courses](#)

Tableau Server – Server Administration Workshop (1 day)

In the EKS&H Tableau Server Workshop, a small group of students (4 or 5) are provided a general overview and introduction to the Tableau Server administration. This workshop addresses the knowledge and skills needed by those people in your organization who will be administering a Tableau Server installation.

Topics include:

- Installing Tableau on a single server
- Understanding Tableau Server components and user interactions
- Administering content, authorization, and permissions
- Managing users, groups, sites, data sources, extracts, schedules, tasks, and subscriptions
- Monitoring server status

EKS&H provides printed copies of the materials for your future use.

Prerequisites:

- Applicable Tableau Server licenses

[Available Courses](#)

TABLEAU DESKTOP COURSE CUSTOMIZATION DATA REQUIREMENTS

Tableau Desktop courses are fully-customized – both days of each course are taught using course materials customized to your organization’s data. Hands-on practice exercises, instructor demonstrations, and workshop scenarios are fully customized.

Each student receives printed, spiral-bound, customized course materials and we deliver the PDF file of the course materials after training for future use.

Data requirements for each customized Tableau Desktop training session:

- At least 3,000 records/rows in an Excel or CSV file.
- Multiple measures – fields we can aggregate (e.g., sum, average, min, median).
- Multiple dimensions – descriptive/qualitative/categorical fields we can segment measures with (e.g., regions, product types, school types, power generator types).
- Date or year fields.
 - If only year information is available, please supply several years’ worth of info.
- Relatively clean (e.g., free of duplicate records).
- Data dictionary to describe the fields and field values.
- Nice-to-have:
 - Geographic information, such as state, county, city, zip.
 - Longitude and latitude fields.
 - Multiple files or tables for joins and union exercises.

IBM Performance Management Courses

Cognos TM1 – BI and TM1 Integration Workshop (1 day)

In the EKS&H BI and TM1 Integration Workshop students learn the best practices for designing and deploying cubes for consumption by IBM Cognos BI tools for reporting and analysis.

In this course, students are provided an instruction on specifying the cube measure dimension and defining dimensional hierarchy levels. Students also learn how to use alias attributes to display values of metadata, establish the data source connection, publish the package to Cognos Connection and generate a simple report using the TM1 cube. The course also includes a review of design decisions made when developing the Reporting Cube within TM1 and their impact to report generation.

Corresponding IBM Cognos TM1 User Roles: TM1 Administrator, TM1 Advanced (Blended Role)

Prerequisites:

- TM1 Developer/TM1 Administrator experience is strongly encouraged.
- Familiarity with Cognos Administration and Framework Manager is encouraged to maximize the benefits of this course.

[Available Courses](#)

Cognos TM1 – Developer Workshop Fundamentals (2 days)

The EKS&H TM1 Developer Workshop focuses on the fundamentals of dimension building, cube design, and creation. Data loading and rule writing are also covered in this 2-day course.

This class is intended for those TM1 developers responsible for creating and maintaining TM1 applications. We recommend scheduling this class at the beginning of the engagement.

TOPICS INCLUDE:

- TM1 Design Principles
 - Understanding naming conventions
 - Designing applications for functionality, maintainability, and performance
- Reporting and Analysis
 - Using TM1 to browse data
 - Creating subsets of dimensions
 - Building templates
 - Using functions in Microsoft Excel to pull data from TM1
- Dimension Building
 - Creating and maintaining dimensions using the Dimension Editor
 - Using Turbo Integrator (“TI”) to create and maintain dimensions
 - Understanding hierarchy management
- Creating Cubes
 - Understanding cube design
 - Learning the impact of Dimension Order on cube performance
 - Creating cubes manually and using TI

- Data Loading Fundamentals
 - Creating TI processes to load data
 - Learning basics of data transformation
 - Converting data types
 - Handling nulls
- TM1 Rule Fundamentals
 - Using rule syntax
 - Writing simple single cube rules
 - Writing simple multi-cube rules
 - Understanding basics of skipcheck and feeders
- TM1 Administration Basics
 - Applying TM1 Security
 - Administering the server

Corresponding IBM Cognos TM1 User Roles: TM1 Administrator, TM1 Advanced (Blended Role)

Prerequisites:

- Basic knowledge of OLAP and TM1
- Significant experience with Excel spreadsheets (functions, macros, etc.)

[Available Courses](#)

Cognos TM1 – Developer Workshop Advanced (3 days)

The EKS&H TM1 Advanced Developer Workshop is a 3-day course geared toward students interested in learning additional modeling techniques to expand their TM1 models beyond the basics.

TOPICS INCLUDE:

- Advanced Rule Definition
 - Using attributes and element levels in rules
 - Balance sheet time calculations
 - Further understanding of skipcheck and feeders - including why they are important and how to determine if you are under or over feeding your model.
- Cubes
 - Using virtual dimensions and cubes (measures in one cube become a dimension in another)
 - Creating control cubes to facilitate model drivers and maintenance elements (illustrate driver-based logic – like rolling ## months actual into a forecast based on the “Current Month”)
 - Designing considerations for reporting cubes to be data sources for IBM Cognos BI suite.
- TI Processes
 - Understanding error checking and controls
 - Customizing processes to address business rules and dealing with expectations
 - Using generic code that can be repeated
- Perspectives (Active Forms)
 - Best practices and performance considerations

- Understanding the portability of templates (i.e. Using Named Cells transfer between servers)
- Using MDX to customize subsets in templates
- Using Action Buttons
- Providing Default Values
- Security
 - Understanding different parts of security
 - Using TM1 Control Cubes and learning how to manipulate to drive security
 - Automating security through processes and rules
 - Understanding contributor security and how it differs from TM1 security and integration

Corresponding IBM Cognos TM1 User Roles: TM1 Advanced (Blended Role)

Prerequisites:

- Cognos TM1 Developer Workshop training or equivalent experience using TM1 Developer is strongly encouraged to maximize the benefits of this course.

[Available Courses](#)

Cognos TM1 – End User Training (1 day)

In the EKS&H TM1 End User Training students learn how to interact with their TM1 Web reports, data entry templates, and cube views. They learn the necessary knowledge to work with existing TM1 applications, including access to existing reports and templates, adding data, data spreading, and exporting data to Excel.

This course is geared toward all TM1 newcomers (users, developers, and administrators) and is customized to your organization’s “real world” TM1 reports and templates.

TOPICS INCLUDE:

- Overview of the components of TM1 and TM1 Web
- Cube Viewer and view navigation
- Subset Editor
- Dynamic vs. Static subsets
- Data entry and data spreading
- Excel snapshot
- Sandboxing
- Orientation to client specific reports and templates
- Customize views or reports for personal use

Corresponding IBM Cognos TM1 Roles: TM1 End User (reporting and data entry)

Prerequisites:

- We recommend scheduling this class after the initial models have been built, the data has been validated, and the web-based reports and templates are ready for use.

[Available Courses](#)

Cognos TM1 – System Administration Workshop (1 day)

In the EKS&H TM1 System Administration Workshop students receive a review of the server setup and learn how to restore back-ups, manage security, and other administrative tasks for their specific TM1 model.

This course prepares users with the procedures required to appropriately monitor, manage, and maintain their TM1 environments.

This class is geared toward the TM1 Administrator and a representative from your IT staff.

TOPICS INCLUDE:

- Introduction to the structural aspects of TM1, including various methods for creation of dimensions and cubes, managing elements, attributes and hierarchies, as well as other components of TM1 databases.
- Administering data files, backup/recovery procedures, and security management.
- Introduction to Operations Console or TM1 Top for task management and monitoring.

Corresponding IBM Cognos TM1 Roles: TM1 Administrator, TM1 Advanced (Blended Role)

Prerequisites:

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

[Available Courses](#)

Cognos TM1 – Ad-hoc Workshop (1-3 days)

In the EKS&H TM1 Ad-hoc Workshop, EKS&H TM1 trainers works closely with your TM1 Administrators or TM1 Report Developers to build specific components or reports for your model. Much of the learning is hands-on during this development process.

Please note:

- *This is not a fixed-price course and will be priced based on an agreed upon hourly rate.*
- *This course is focused on the specific issues, concerns, or new functionality that a client would like to focus on and those topics will determine the length of the course.*

Corresponding IBM Cognos TM1 Roles: TM1 Administrator, TM1 Advanced (Blended Role)

[Available Courses](#)

Data Integration Courses

The goal of EKS&H's Data Integration workshops are to teach students how to use Informatica PowerCenter tools to make better business decisions.

Data Integration tools allow users to integrate actual budget and forecast data into one system, enabling decision makers to monitor performance and make informed decisions as the business environment changes.

Informatica Courses

Informatica – Introduction to PowerCenter Workshop (3 days)

EKS&H's Introduction to Informatica's PowerCenter workshop is composed of 3 days of onsite one-on-one or small group practical coaching sessions (up to 6 people - extra participants will require a second instructor at additional cost). On the first 2 days, we leverage sample data that we supply to illustrate, explore, and practice key PowerCenter capabilities. On the third day we apply what we've learned to tackling your own data and business scenarios.

For this workshop, EKS&H will provide step-by-step illustrated student handbooks along with the sample data that we utilize throughout the first 2 days. This allows participants to recreate and reuse the workshop in full after we leave.

BASIC TOPICS:

- Building Blocks – a PowerCenter architecture overview
- PowerCenter GUI – a guided tour
- Adding data sources
- Naming conventions
- Basic data movement tasks and transformations
- Bringing it all together - workflows and monitoring
- Using the debugger

ADVANCED TOPICS:

- Error handling
- Reusability
- The power of sharing
- Getting smart with flat files
- More transformations and workflows
- Modeling a star schema
- Using parameters and variables
- Maintainability and best practices
- Use of templates and how to get them
- Optimization techniques and tricks of the trade

Prerequisites:

1. Informatica PowerCenter is installed and configured
2. All attendees (plus instructor) have access to the PowerCenter frontend
3. Training database is set up and available for all attendees (EKS&H will provide details)
4. Any DDL that needs to be set up in advance is done (EKS&H will provide DDL scripts)
5. Connectivity to any data sources they wish to pursue on day three (pre-class health check?)

[Available Courses](#)

Informatica – Fast Track to PowerCenter Administration Workshop (1 day)

This Fast Track to Informatica Administration Workshop consists of 1 day of onsite one-on-one or small group practical coaching sessions (2 to 4 people - extra participants will require a second instructor at additional cost). We leverage a pre-installed Informatica environment to illustrate, explore, and practice key Informatica administration features and capabilities.

As a great add-on to our PowerCenter workshop, we take you deep into the Administrator console for a detailed tour of the features, functions, and capabilities. We talk through your specific requirements and design an administration strategy customized for your needs.

For this workshop, EKS&H provides step-by-step student handbooks. EKS&H services are available to pre-install development/test and production domain environments and pre-create needed services. The development environment will be used by participants to create sample services – all of which will be available for reuse and training in full after we leave. Alternatively, services created in the workshop can be the development/test services.

BASIC TOPICS:

- Overview of Informatica domain and service architecture
- Domain/environment setup options – infrastructure dependent
- Product install and configuration overview
- Informatica Administrator console – a guided tour
- Service types and their relationships
- Create services and establishing build-related Db repositories - including Tips, Tricks and Traps
- Supporting and enabling your Enterprise Informatica user community

ADVANCED TOPICS:

- Domain and repository backups
- Domain maintenance, service configurations, and command line utilities
- Overview of service-specific UI's
- Security – users, groups, and roles
- LDAP overview (as applicable)
- Informatica PowerExchange interfaces (as applicable)
- Overview of environment migration options

Prerequisites:

1. Base level Informatica development domain is installed and configured
2. Databases/schemas are set up in advance and have adequate user permissions (EKS&H will provide details)
3. All attendees (plus instructor) have in-class browser access to the enterprise Informatica development domain
4. Second domain (environment) is installed and configured, if migration is to be exercised beyond the overview provided.
5. Pre-class health check – to ensure browser access from training environment

NOTE: Informatica PowerCenter developer knowledge and experience is not required, but can be beneficial in understanding developer needs and requirements. In-class overview of developer functions provided as needed.

[Available Courses](#)

Business Efficiency Courses

Cybersecurity Awareness Training for End Users (1.5 hours)

Every organization’s comprehensive cybersecurity plan should encompass both infrastructure-level best practices and end user, or employee, best practices. While traditional network protection can deter most technology threats, they can’t thwart them all. New threats are introduced to the world every day, and educating employees is an important line of defense for your organization.

The EKS&H Cybersecurity Awareness training course prepares your organization’s employees to identify potentially harmful emails and websites and dispose of them without compromising the network. In this course, EKS&H trainers guide your employees through common technology threats and how to handle them. After arming your employees with cybersecurity “do’s and don’ts,” your organization will be much more likely to avoid costly data breaches.

This a lecture style course. We recommend classes sizes of 25 students or fewer.

After this course, students are able to:

- Identify the most common types of web application attacks.
- Cite “real world” examples of how sensitive information can be exposed in everyday situations.
- Explain the difference between phishing, crypto blocker attacks, Trojan-horse malware, and bots.
- Articulate the types of ramifications organizations suffer from as a result of cybersecurity breaches.
- Identify several technology best practices to maintaining a secure workplace.

[Available Courses](#)