JEDOX TRAINING

INTEGRATED. INTERACTIVE. DYNAMIC.

Want to benefit from your business intelligence or corporate performance management project? Want to ensure easy implementation? Then you’ll want to be familiar with every function of the software solution. The Jedox Academy delivers the professional training you need to leverage Jedox solutions to the max.

Jedox training courses are divided into four levels and are aimed at both beginners and advanced users. Here is the curriculum according to the principle: “integrated”, “interactive”, “dynamically” constructed.

Integrated

Jedox uses its own teaching materials, with courses focused on the user’s individual needs.

Interactive

Users interact with teaching materials designed for goal-driven studying, based on real world-oriented training.

Dynamic

Adapts to the individual knowledge level of the student.

METHOD

Courses are cumulative, with each student able to choose a course matching their knowledge level. Even users without any previous knowledge of OLAP can take these courses and reap benefits. All content, demonstrations and exercises are taught in an easy-to-follow and structured way through standardized material. After the training, students can download detailed electronic documents.

LEVELS

Jedox Academy’s courses are aimed at participants from different divisions, different roles and skill levels. For clarification, every course is assigned a course number to illustrate the level and difficulty.

100 Courses of level 100 are role-specific, stand-alone courses and are not necessarily prerequisites for other courses. However, they may require specific previous knowledge.

200 Courses numbered at the 200 level are generally for participants with certain previous knowledge. Anyone can attend these training sessions. Normal prerequisites are basic knowledge of Excel.

300 Courses numbered at the 300 level are professional-level and normally taken by users with previous experience in Jedox or specialist course standing.

400 Courses numbered at the 400 level are expert-level. In most cases there is the expectation of previous experience with Jedox and professional course standing.

ONLINE COURSES

The Jedox Academy offers also online courses. Learn at your own pace using videos tailored to your level of Jedox expertise and interests.

https://www.jedox.com/en/services/training/online-courses/
JEDOX TRAINING

ROADMAP

User
- 210 Jedox Specialist

Application Developer Reporting
- 211 Report Specialist
- 306 Report Professional
- 401 Web Expert

Application Developer Integration & Data Modeling
- 251 Database Specialist
- 356 Integration Professional
- 451 ETL Expert
- 481 Business Logic Expert

Administrator
- 180 System Administrator

Power User
- 303 Professional Bootcamp Lecture

COURSES
- 210 Jedox Specialist: Easy analysis and planning with Jedox
- 211 Jedox Report Specialist: Advanced analysis and planning functions
- 251 Jedox Database Specialist: Modeling and maintenance of database structures
- 306 Jedox Report Professional: Dynamic creation of web reports with spreadsheets
- 401 Jedox Web Expert: Script-based extension of Dynamic Web reports
- 356 Jedox Integration Professional: Data integration and automation of loading processes
- 451 Jedox ETL Expert: Script-based transformation of complex data structures
- 481 Jedox Business Logic Expert: Rule based calculation on cube cells
- 180 Jedox System Administrator: Client / Server installation, configuration, maintenance and expansion

LECTURES
- 303 Jedox Professional Bootcamp: A comprehensive overview of Jedox in an intensive lecture

LOCATION
Courses are provided at Jedox, partner or other facilities. Upon request, courses can also be delivered on-site at customer locations.


2019-10 www.jedox.com
## COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Duration</th>
<th>Course Objectives</th>
</tr>
</thead>
</table>
| 210         | Jedox Specialist               | 1 Day     | After this course students will be able to effectively analyze data and create plannings with Jedox. You learn these fundamental concepts:  
- Introduction to multidimensional models  
- Create reports and enter data                                                                                                                                                                                                                                                                                                                                 |
| 211         | Jedox Report Specialist        | 1 Day     | After this course students will be able to build complex and dynamic reports with Jedox and optimize their planning using advanced features.                                                                                                                                                                                                                                                                                                          |
| 251         | Jedox Database Specialist      | 1 Day (7h)| After this course students will be able to set up a Jedox database with dimensions, attributes and cubes as well as to adapt these structures to changed requirements.                                                                                                                                                                                                                                                                                     |
| 306         | Jedox Report Professional      | 2 Days    | After this course students will be able to build a dynamic report with DynaRanges and form elements using Jedox Web and to enhance it with business charts and further calculations. In addition, students will learn techniques to build a reporting system.                                                                                                                                                                                                                           |
| 356         | Jedox Integration Professional | 2 Days    | After this course students will be able to retrieve data from various sources and to transform it for different load processes, to build dimensions, to load transactional data into a cube as well as to automate these processes.                                                                                                                                                                                                                                             |
| 401         | Jedox Web Expert               | 2 Days    | After this course students will be able to:  
- Seamlessly link multiple Web templates  
- Optimize the user interface and the intuitive usability through dynamic navigation  
- Implement process control (e.g. in a planning phase)  
- Implement advanced reporting automation techniques (Jedox Web macros)                                                                                                                                                                                                                                           |
| 451         | Jedox ETL Expert               | 2 Days    | After this course students will be able to:  
- Build complex time dimensions  
- Transform data using the scripting language Groovy  
- Connect to web services and load data                                                                                                                                                                                                                                                                                                                                   |
| 481         | Jedox Business Logic Expert    | 2 Days    | After this course students will be able to:  
- Implement business logic into a data model  
- Use rule templates and semi-additive measures  
- Analyze the effects of business logic on the performance                                                                                                                                                                                                                                                                                                           |
| 180         | Jedox System Administrator     | 2 Days    | Following this course, students will be able to:  
- Install and configure Jedox Server and clients  
- Set up and maintain Single Sign On (SSO) in a Windows environment  
- Monitor and provide back-ups of the system environment  
- Adjust configuration settings                                                                                                                                                                                                                                                                                                                                       |

## LECTURES

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>303</td>
<td>Jedox Professional Bootcamp</td>
<td>3 Days</td>
<td>In just 3 days, you will get to know the concepts of modeling, reporting and planning in Jedox.</td>
</tr>
</tbody>
</table>
210
Jedox Specialist
Easy analysis and planning with Jedox
Duration 1 Day

New with Jedox?
Learn basic concepts of Jedox data management, Jedox analysis and data entry. With this course you lay a solid foundation for further development of your knowledge.

**COURSE OBJECTIVES**

After this course students will be able to effectively analyze data and create plannings with Jedox. You learn these fundamental concepts:
- Introduction to multidimensional models
- Create reports and enter data

**TARGET GROUP**

This course is directed at new Jedox users, providing an overview of basic functionality and of how to read and write data

**THE TRAINING COVERS**

- Introduction to Jedox OLAP
- Ad-hoc analyses with "Paste View"
- Distribute views
- Enter data in Jedox cubes
- Planning scenarios and distribution schemes

**REQUIREMENTS**

To be most successful, students should have the following background:
- Knowledge of data management in table form (lists)
- Knowledge of how to edit formulas (formula wizard, formula bar, F2 mode, structure of formulas)
- Knowledge of how to deal with references (freeze with F4)
- Knowledge of standard Excel formulas: SUM(), IF(), CONCATENATE(), and the name manager
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COURSE

211
Jedox Report Specialist
Advanced analysis and planning functions

Duration 1 Day

Deepen your knowledge of report design!
Create individual reports with element and data functions, optimize your reports with graphics and expand your knowledge of building complex planning scenarios.

COURSE OBJECTIVES

After this course students will be able to build complex and dynamic reports with Jedox and optimize their planning using advanced features.

THE TRAINING COVERS

- Individual reports using the functions “Paste Elements” and “Paste Data Function”
- Reports containing graphics
- Create dynamic element lists with subsets
- Advanced planning functions (controlled writing and distribution schemes)

TARGET GROUP

This course is directed at users who want to deepen their knowledge of report design to provide complex reports for analysis and planning.

REQUIREMENTS

- Participation in course 210
- Alternatively knowledge of basic Jedox functionality like “Paste View” and data splashing as well as basic knowledge of multidimensional OLAP databases
- Knowledge of how to edit Excel formulas (formula wizard, formula bar, F2-mode, structure of formulas)
- Knowledge of how to deal with references (freeze references with F4)
- Knowledge of standard Excel functions: SUM(), IF(), CONCATENATE() and the name manager

Deepen your knowledge of report design!
Create individual reports with element and data functions, optimize your reports with graphics and expand your knowledge of building complex planning scenarios.
COURSE

251
Jedox Database Specialist
Modeling and maintenance of database structures

Duration 1 Day (7h)

Broaden your knowledge to the maintenance of database structures.
Use the Modeler to create and adjust components of a Jedox database.

COURSE OBJECTIVES

After this course students will be able to set up a Jedox database with dimensions, attributes and cubes as well as to adapt these structures to changed requirements.

TARGET GROUP

This course is directed at users who want to broaden their fundamental Jedox knowledge to the maintenance of data structures.

THE TRAINING COVERS

- Create and update dimensions
- Add and maintain attributes
- Create cubes and dynamize them
- Implement multi-language functionality

REQUIREMENTS

- Participation in course 210
- Alternatively knowledge of basic Jedox functionality like "Paste View" and data splashing as well as basic knowledge of multidimensional OLAP databases
- Basic knowledge of Excel (formulas, cell references, standard functions)
COURSE

306
Jedox Report Professional
Dynamic creation of web reports with spreadsheets
Duration 2 Days

Performance management anywhere. Build on your skills in Jedox to take your planning, analysis and reporting to Jedox Web.
This is the perfect course if you have Jedox Specialist knowledge and now want to learn how to expand your Jedox Business Intelligence applications with Jedox Web.

COURSE OBJECTIVES

After this course students will be able to build a dynamic report with DynaRanges and form elements using Jedox Web and to enhance it with business charts and further calculations. In addition, students will learn techniques to build a reporting system.

TARGET GROUP

This course is directed at those without knowledge in Jedox Web who want to use it for web-based reporting.

THE TRAINING COVERS

- Excel reports in the web
- Form elements and variables
- Using DynaRanges
- Global settings
- Report Manager and Designer
- Using frames and links
- Dynamic control of data entry

REQUIREMENTS

- Participation in courses 210 and 211 or equivalent knowledge
- Understand Jedox data models (dimensions, elements, attributes, cubes)
- Knowledge of subsets
- Knowledge how to enter data in a cube
JEDOX TRAINING

COURSE

356
Jedox Integration Professional
Data integration and automation of loading processes

Duration 2 Days

To make decisions based on facts, you need timely and accurate data. Data quality is critical to the success of any analytics project. Extract, transform and load your data automatically from different sources with Jedox Integrator. This course provides a structured entry into data integration.

COURSE OBJECTIVES

After this course students will be able to retrieve data from various sources and to transform it for different load processes, to build dimensions, to load transactional data into a cube as well as to automate these processes.

THE TRAINING COVERS

- Database and File Connections
- Extracts (Relational, File, Calendar, ConstantTree, CubeSlice)
- Field Transforms (Date, Lookup, text functions)
- Hierarchy Transforms
- Table Transforms (normalize, loops)
- Dimension and Cube Loads
- Standard Jobs

TARGET GROUP

This course is directed at those without specialist knowledge in data integration who want to automatically load and maintain a model from a source system using Jedox.

REQUIREMENTS

- Participation in courses 210 and 251 or equivalent knowledge
- Knowledge of building Jedox models (dimensions, elements, attributes, cubes)
- Knowledge how to enter data in a cube
- Understand the difference between relational and multidimensional data management concepts
COURSE

401
Jedox Web Expert
Script-based extension of Dynamic Web reports

Duration 2 Days

Go from Professional to Web Expert. Expand your skills in Jedox Web and learn advanced techniques with this course.

COURSE OBJECTIVES

After this course students will be able to:
- Seamlessly link multiple Web templates
- Optimize the user interface and the intuitive usability through dynamic navigation
- Implement process control (e.g. in a planning phase)
- Implement advanced reporting automation techniques (Jedox Web macros)

TARGET GROUP

This course builds on Jedox Web Professional. Combine individual reports and planning templates together to create a unified user experience and enhance dynamic reporting with advanced application logic and controls.

THE TRAINING COVERS

- Import and export
- Dynamic reporting with
  (Hyperlinks and DynaRanges)
- Introduction to macro based
  Application logic (PHP)
- Control of reports (macro)
- Dynamic attribute value lists (macro)
- Automated batch printing (macro)
- Introduction to report refinement
  with Widgets (HTML, JavaScript)
- Data driven and dynamically formatted
  HTML blocks
- Data driven GeoCharts

REQUIREMENTS

- Participation in course 306 Report Professional or equivalent knowledge
To be most successful, students should have some or all of the following background:
- Ability to use combo boxes, DynaRanges and subsets
- Sound knowledge of named ranges, variables and formulas
- General understanding of scripting languages
COURSE

451
Jedox ETL Expert
Script-based transformation of complex data structures

Duration 2 Days

Go from Professional to ETL Expert. Expand your skills in Jedox ETL and learn advanced techniques with this course.

COURSE OBJECTIVES

After this course students will be able to:
- Build complex time dimensions
- Transform data using the scripting language Groovy
- Connect to web services and load data

TARGET GROUP

This course is directed at those who want to improve the design of data load processes with enhanced ETL functionalities.

THE TRAINING COVERS

- Introduction to script-based transformation (Groovy)
- Script-based text operations (Groovy, RegEx)
- Script-based date operations (Groovy)
- Extract XML data (HTTP, SOAP, XPath)
- Loop-based data load (Groovy)

REQUIREMENTS

- Participation in course 356 Integration Professional or equivalent knowledge
To be most successful, students should have some or, at best, all of the following background:
- Ability to create file connections, extracts, transforms, loads
- Sound knowledge of job execution and adjustment of given objects
- General understanding of scripting languages
COURSE

481
Jedox Business Logic Expert
Rule based calculation on cube cells

Duration 2 Days

Expand your knowledge in modelling Jedox databases and learn how to use calculation logic in this course.

COURSE OBJECTIVES

After this course students will be able to:
- Implement business logic into a data model
- Use rule templates and semi-additive measures
- Analyze the effects of business logic on the performance

TARGET GROUP

This course is directed at users who want to enhance their Jedox database models with real time calculation

THE TRAINING COVERS

- Rules Basics, Concepts and Element notation
- Jedox OLAP Server Browser
- Restricting the target area, cube reference and using attributes
- Rule Template and Query Based Rule
- Rule Template Currency Conversion, Extended Measure Calculation and Version Calculation (Blending)
- Working with logic queries, Boolean values and constants and semi-additive measures
- Event-driven calculation - Push rules
- Performance measurement

REQUIREMENTS

- Participation in course 251 Database Specialist and 356 Integration Professional or equivalent knowledge
To be most successful, students should have the following background:
- Ability to create cubes, dimensions, elements and attributes
- Safe handling of data views
- Knowledge about common Jedox functions like PALO.DATA
- Ability to understand and adapt ETL processes
JEDOX TRAINING

COURSE

180
Jedox System Administrator
Client / Server installation, configuration, maintenance and expansion

Duration 2 Days

Are you the technical administrator for Jedox?
This course provides administrators with the necessary knowledge of the Jedox architecture and administrative functions to install and maintain the software within your corporate IT environment.

COURSE OBJECTIVES

Following this course, students will be able to:
- Install and configure Jedox Server and clients
- Set up and maintain Single Sign On (SSO) in a Windows environment
- Monitor and provide back-ups of the system environment
- Adjust configuration settings

TARGET GROUP

This course is aimed at administrators who are responsible for the installation, operation, and monitoring of as well as providing support for the Jedox environment.

THE TRAINING COVERS

- Jedox architecture in detail
- Distributed and unattended installation of client and server
- Adjusting system configuration
- Maintaining the productive system environment
- Data and system security
- SSO configuration and directory access with LDAP
- Setting up an SSL encryption

REQUIREMENTS

To be most successful, students should have the following background:
- Knowledge of the use of computer names, ports, and URLs
- Sound knowledge of Windows Explorer and text editors
- General understanding of Windows ActiveDirectory
- Familiar with the concepts of SSO, LDAP, SSL
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COURSE

A13
Jedox Add-On Regular Expressions & Groovy

Become a Jedox Barista: Find the right espresso beans and mix your personalized coffee in the Integrator using Regular Expressions and Groovy

Duration 1 Day

This add-on course shows you how to transform complex pieces of text and data in the Integrator with Regular Expressions and Groovy based on numerous examples.

COURSE OBJECTIVES

Ready to expand your horizons beyond the Integrator when it comes to transforming data? Increase your expertise in working with data and learn to use Regular Expressions and the scripting language Groovy in a hands-on environment that uses various examples.

THE TRAINING COVERS

- Introduction to script-based transformation (Groovy)
- Script-based text operations (Groovy, RegEx)
- Script-based date operations (Groovy)

TARGET GROUP

This Jedox add-on is for anyone looking to expand their Professional-level knowledge and get to know their options for transforming data.

REQUIREMENTS

- Participation in course 356 Integration Professional or equivalent knowledge

To be most successful, students should have some or all of the following background:
- Ability to create file connections, extracts, transforms, loads
- Sound knowledge of job execution and adjustment of given objects
- General understanding of scripting languages

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COURSE

A14
Jedox Add-On Rules
Become a Jedox Barista: Calculate the right ingredients for the perfect latte

Duration 1 Day

This add-on course provides a compact introduction to using rules and rule templates based on numerous examples.

COURSE OBJECTIVES

Defining business logic. Calculating key indicators directly in the database.

TARGET GROUP

This Jedox add-on is for anyone looking to expand their Professional-level knowledge and learn about further possibilities available for database modeling.

THE TRAINING COVERS

- Jedox OLAP Server Browser
- Concept of Rule Template and Query Based Rule
- Event-driven calculation - Push rules

REQUIREMENTS

- Participation in course 251 Database Specialist and 356 Integration Professional or equivalent knowledge
To be most successful, students should have the following background:
- Ability to create cubes, dimensions, elements and attributes
- Safe handling of data views
- Knowledge about common Jedox functions like PALO.DATA
- Ability to understand and adapt ETL processes
COURSE

A31
Jedox Add-On Macros
Become a Jedox Barista: Brew your espresso and latte dynamically in Jedox Web with PHP

Duration 1 Day

This add-on course shows you how to develop existing Web reports into an application dynamically with PHP based on numerous examples.

COURSE OBJECTIVES

Ready to expand your horizons beyond the standard Jedox Web features for report control? Step up to the challenge and learn to use PHP in a hands-on environment that uses various examples.

TARGET GROUP

This Jedox add-on is for anyone looking to expand their Professional-level knowledge and learn about further possibilities available for dynamic report control in Jedox Web.

THE TRAINING COVERS

- Introduction to macro based Application logic (PHP)
- Control of reports (macro)
- Dynamic attribute value lists (macro)
- Automated batch printing (macro)

REQUIREMENTS

- Participation in course 306 Report Professional or equivalent knowledge
To be most successful, students should have some or all of the following background:
- Ability to use combo boxes, DynaRanges and subsets
- Sound knowledge of named ranges, variables and formulas
- General understanding of scripting languages
COURSE

A32
Jedox Add-On Widgets
Became a Jedox Barista: Present your coffee creation in Jedox Web with HTML and JavaScript

Duration 1 Day

This add-on course shows you how to fine-tune existing Web reports with HTML and JavaScript based on numerous examples.

COURSE OBJECTIVES
Ready to expand your horizons beyond the standard Jedox Web features for report presentation? Step up to the challenge and learn to use HTML and JavaScript in a hands-on environment that uses various examples.

THE TRAINING COVERS
- Introduction to report refinement with Widgets (HTML, JavaScript)
- Data driven and dynamically formatted HTML blocks
- Data driven GeoCharts

TARGET GROUP
This Jedox add-on is for anyone looking to expand their Professional-level knowledge and learn about further possibilities available for report presentation in Jedox Web.

REQUIREMENTS
- Participation in course 306 Report Professional or equivalent knowledge
To be most successful, students should have some or all of the following background:
- Ability to use combo boxes, DynaRanges and subsets
- Sound knowledge of named ranges, variables and formulas
- General understanding of scripting languages