

FAKTORZEHN



# Faktor Zehn Academy

Training courses



# Faktor Zehn Academy

Give yourself and your employees an overview of our core insurance solutions, or dive deeper to gain a detailed understanding.

As part of the Faktor Zehn Academy, we offer regular training on our products, technologies and methods. In addition to theoretical concepts and models, our product knowledge is transferred to participants in small groups using practical exercises.

As well as the events already planned, we can also conduct all training courses exclusively for you if required - in-house or at our offices in Munich or Cologne.

If you are interested, please do not hesitate to contact us at any time. If there is currently no suitable training course for you, we will be happy to put together a tailor-made programme for you.

We look forward to hearing from you.



## Contact

**Marlen Berger**

✉ [Marlen.Berger@FaktorZehn.de](mailto:Marlen.Berger@FaktorZehn.de)

☎ +49 221 88826-378



# Overview Training courses

## Faktor Zehn

**Faktor-IPS  
Basics**

**Faktor-IOS**

**Faktor-IPM**

**Faktor Zehn  
Reference  
Model**

**Faktor-IPS  
Generator +  
Runtime**

**Faktor-IPS  
Advanced  
Modeling-Concepts**

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## Technology and Methods

**Design  
Patterns**

**Test Driven  
Development**

**Scrum -  
Basics**

**Application  
Framework -  
linkki**

**Java 8**

**Angular-  
Beginner  
Course**

Current dates can  
be found on our  
homepage





# Faktor-IPS Basics

## Aim:

Participants learn the theoretical and practical basics for contract and product modeling and for defining insurance products with Faktor-IPS.

## Requirements:

Java knowledge preferable, but not necessary



## Methodology:

Presentation, demos and exercises with Faktor-IPS



## Duration:

2 Days



## Dates:

Current Dates can be found on [www.faktorzehn.com/en/academy](http://www.faktorzehn.com/en/academy)



## Target Group:

Java developers & modelers of insurance products

## Topics

- Technical and conceptual basics of Faktor-IPS
- Modeling with Faktor-IPS
- Implementation of tariffs and validations (on the basis of generated Java code from Faktor-IPS)
- Definition of insurance products





# Faktor-IPS Generator + Runtime

## Aim:

Participants learn which code Faktor-IPS is able to generate and how this code generation can be influenced. Furthermore, they will get to know the capabilities of the Runtime API and the programming options for building, testing and extending Faktor-IPS or solutions built with Faktor-IPS.

## Requirements:

Content of Faktor-IPS Basics or some practical Faktor-IPS experience. Java programming knowledge



## Methodology:

Presentation, demos and exercises with Faktor-IPS



## Duration:

2 Days



## Dates:

Current Dates can be found on [www.faktorzehn.com/en/academy](http://www.faktorzehn.com/en/academy)



## Target Group:

Java-developers using Faktor-IPS to implement insurance products

## Topics

- Faktor-IPS Runtime
- Generated Code
- Code Generator-Options
- Automated Build
- Customer-specific data types and validations

- Testing with Faktor-IPS
- Custom Add-ons (Preview of the training "Enhancing Faktor-IPS")

We are also able to adjust the agenda to the individual needs of the participants.





# Faktor-IPS - Advanced Modeling-Concepts

## Aim:

Training participants will learn advanced modeling concepts such as multi-value attributes, overwriting of relations and attributes and derived unions. The course will also address enhanced possibilities for product definition (templates) and opportunities to optimize the product definition perspective. Finally, participants will get to know basic functions of product changes over a period of time and learn how to define tables.

## Requirements:

Content of Faktor-IPS (Basics) or some practical Faktor-IPS experience, Java knowledge preferable



## Methodology:

Presentation, demos and exercises with Faktor-IPS



## Duration:

2 Days



## Dates:

Current Dates can be found on [www.faktorzehn.com/en/academy](http://www.faktorzehn.com/en/academy)



## Target Group:

Modelers of insurance products, users and developers

## Topics

- Product templates
  - Generations and adjustment levels
  - Tables
  - Internationalization
  - Validation rules
  - Multi-value-product attributes
  - Policy classes without product classes, product classes without policy classes
- We are also able to adjust the agenda to the individual needs of the participants.





# Faktor-IOS

## Aim:

Participants learn how to best adapt Faktor-IOS, an omni-channel and multi-platform offer and quotation system, to customer-specific requirements. The focus will be on the modeling of product configurations, as well as the core functions of Faktor-IOS

## Requirements:

Java-knowledge, content of Faktor-IPS Basics or some practical Faktor-IPS experience



## Methodology:

Presentation, demos and exercises with Faktor-IOS



## Duration:

2 Days



## Dates:

Current Dates can be found on [www.faktorzehn.com/en/academy](http://www.faktorzehn.com/en/academy)



## Target Group:

Software developers and software architects

## Topics

- Modeling of product configurations
- Creating an offer
- Stability
- Calling calculation cores
- Upgrading
- Creating follow-up offers





# Faktor-IPM

## Aim:

During this course participants will get to know our policy management system Faktor-IPM. Following its architecture and the possibilities to customize and enhance the solution, participants will focus on the historization of contracts, modeling of business processes and the integration of Faktor-IPM into existing system landscapes.

## Requirements:

Java-knowledge, content of Faktor-IPS Basics or some practical Faktor-IPS experience



## Methodology:

Presentation, demos and exercises with Faktor-IPM



## Duration:

2 Days



## Dates:

Current Dates can be found on [www.faktorzehn.com/en/academy](http://www.faktorzehn.com/en/academy)



## Target Group:

Software developers and software architects

## Topics

- Faktor-IPM architecture
- Definition and integration of a new contract and product model
- Development of the user interface
- Historization
- Business processes







# Faktor Zehn- Reference Model

## Aim:

Training participants get to know our reference model for the mapping of insurance contracts. This model can be integrated into Faktor-IPM, Faktor-IOS and Faktor-ICS. This course discusses many best practice approaches to contract and product modeling that can be applied to common problems, even without using the reference model.

## Requirements:

None

Please note that this course is only available in German.



## Methodology:

Presentation, demos and exercises with Faktor-IPM



## Duration:

2 Days



## Dates:

Current Dates can be found on [www.faktorzehn.com/en/academy](http://www.faktorzehn.com/en/academy)



## Target Group:

Product modelers, insurance architects and software developers

## Topics

- Cross-insurance segment contract and product structure
- Mapping of LoB specifics
- Contributions, taxes, surcharges/ discounts and contribution calculation
- Insurance bundles
- Participants and Roles
- Rights-dependent rules
- General conditions and clauses
- Mapping of product changes





# Design Patterns

## Aim:

A design pattern is a proven general solution for a frequently occurring design problem. Developers will get to know the most important design patterns. The application of each pattern will be explored with exercises, as well as with links to insurance-related problems.

## Requirements:

Experience in object-oriented development



## Methodology:

Presentation, demos and exercises



## Duration:

2 Days



## Dates:

Current Dates can be found on [www.faktorzehn.com/en/academy](http://www.faktorzehn.com/en/academy)



## Target Group:

Developers

## Topics

- What are Design Patterns?
- Basics of object orientation
- Patterns to create objects
- Patterns for business models





# Test Driven Development

## Aim:

Developers learn how test-driven-development works and how it can be implemented.

- Improved maintainability of the program code
- Faster implementation of requirements
- Improved software design
- More fun during development

## Requirements:

Java knowledge



## Methodology:

Presentation and exercises



## Duration:

1 Day



## Dates:

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## Target Group:

Java developers

## Topics

- Idea and concept of TDD
- State Based Testing: Developing Unit Tests with JUnit
- Interaction Based Testing: Using the Mockito Framework
- Common Pitfalls and Best Practices
- Idicue: Fluent Builder for building complex test setups
- Is TDD dead? Test of system knowledge





## Scrum – Basics

### **Aim:**

This training provides an overview of the basics in Scrum. Participants will get to know the methodology. Afterwards they will be able to play an active role in a Scrum team.

### **Requirements:**

None

Please note that this course is only available in German.



### **Methodology:**

Presentation, role plays and application to a fictitious or real life project



### **Duration:**

2 Days



### **Dates:**

Current Dates can be found on [www.faktorzehn.com/en/academy](http://www.faktorzehn.com/en/academy)



### **Target Group:**

Everyone who is interested in Scrum

## Topics

- Roles in Scrum (Development Team, Product Owner, Scrum Master)
- Tools (Product Backlog, Sprint Backlog etc.)
- Meetings (Review, Retrospective, Planning 1+2 and others)
- Why does Scrum work





# Application Framework - linkki

## Aim:

Participants will be introduced to our web-ui framework linkki. Linkki is for example used for Faktor-IPM.

## Requirements:

Java knowledge



## Methodology:

Presentation, demos and exercises with linkki



## Duration:

2 Days



## Dates:

Current Dates can be found on [www.faktorzehn.com/en/academy](http://www.faktorzehn.com/en/academy)



## Target Group:

Software developers and software architects

## Topics

- Creating Web-UI with linkki
- Data binding
- Organisation of bindings
- UI elements with linkki
- Mapping of the domain models
- Tables
- Dialogues
- Validations





# Java 8

## Aim:

Participants learn to use Java 8's new and extended features based on a solid understanding of Java 6, especially functional programming with streams and lambdas.

## Requirements:

Java knowledge



## Methodology:

Presentation, demos and exercises



## Duration:

1 Day



## Dates:

Current Dates can be found on [www.faktorzehn.com/en/academy](http://www.faktorzehn.com/en/academy)



## Target Group:

Java developers, using Java 8

## Topics

- Refresh Java 7
- Static and default methods in interfaces
- Functional interfaces and lambdas
- Streams
- Optional
- Java time





# Angular - Beginner Course

## Aim:

During the 2 day course, participants will get to know the world around Angular: the concepts of Angular and the tools that are needed. By the end of the training participants should be able to write their own web apps and tests with Angular.

## Requirements:

Programming skills

Please note that this course is only available in German.



## Methodology:

Mostly workshops and presentations



## Duration:

2 Days



## Dates:

Current Dates can be found on  
[www.faktorzehn.com/en/academy](http://www.faktorzehn.com/en/academy)



## Target Group:

Developers and others with first programming experience

## Topics

- Concepts of client / server side applications
- Single page application concept based on Angular
- 2 way databinding
- Typescript and ES6
- Modules and concepts from Angular
- Creation of your own Angular project
- Creating components, services and routing in Angular
- Jasmine tests and e2e tests
- Tools for development in Angular



**Faktor Zehn GmbH**

Friedenheimer Brücke 21

80639 Munich

Tel.: +49 89 520 311 0

Fax : +49 89 520 311 500

E-Mail: [info@faktorzehn.de](mailto:info@faktorzehn.de)

[www.faktorzehn.com/en/academy](http://www.faktorzehn.com/en/academy)

Faktor Zehn GmbH specializes in modern java architecture-based IT solutions for the insurance industry. Our portfolio includes product management systems, policy management systems, sales systems and claims systems.

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As a member of the ConVista Group, Faktor Zehn can draw on both expertise from a network of industry specialists and a wealth of experience gained in more than 350 successful international projects.