





# Ultra Tendency Academy



## Ultra Tendency Academy - USPs

- Customized trainings based on your individual demand to get the best learning effects for your team
- Practice-oriented trainings and coaching for state-of-the-art technologies (Big Data, Cloud, Container, IIoT)
- Training can span across technologies from different vendors
- Hands-on activities on customer environments (e.g. Dev / Test) to train within customer context (if possible)
- Learn from industry experts with extensive real-world experience
- Address Technology & Methodology
- Introductory and deep dive trainings
- Target groups: Architects, Developer, Administrator, Management



# Curriculum

## Cloud

Data Driven Applications on  
Azure /AWS; Operating  
Cloud-based applications

## Big Data

Kafka, Data Engineering,  
SPARK, Flink, MLOps, CDP  
introductory

## Cross Functional

Infrastructure as Code,  
Continuous Delivery,  
Enterprise Application  
Architecture

## Container

Docker / Kubernetes,  
Microservice Architecture,  
Modern DevOps  
approaches

## IIOT

IIOT Application Design,  
IIOT Application  
Development and  
Operations



# Training Examples

Topic	Description
Cloud Applications based on Azure	The participants will learn the design of cloud native applications based on Microsoft Azure. The training can focus on developers, DevOps, architects or a mixture of all three profiles.
Cloud Applications based on AWS	The participants will learn the design of cloud native applications based on Microsoft Azure. The training can focus on developers, DevOps, architects or a mixture of all three profiles.
Apache Spark	Batch and stream data processing with Spark. The participants will learn the usage of Spark and corresponding best practices for robust and performant data processing
Hadoop Operations	The training enables operations teams to maintain complex Hadoop environments. The training can provide an overview of the entire CDP platform or specific services.
Apache Kafka	The training focusses on the usage of Apache Kafka for developers or operations teams. In addition to that, architecture enablement can be included in the scope as well.
Kubernetes	The training enables developers to implement applications on container infrastructure such as Kubernetes or OpenShift. If needed, the concepts of Docker images can be part of this training as well.
Data Engineering	Enablement for developers who want to become data engineers or seasoned engineers that want to learn a new data engineering technology. The participants will deep dive into the creation of data pipelines with frameworks such as Nifi or Flink.
MLOps	Enablement for Data Scientist and DevOps that are supposed to design, implement and operate machine learning models in productive environments at scale. The training demonstrates the patterns and frameworks that are needed for such applications.
Eclipse IIoT	The training provides an overview of the Eclipse IIoT ecosystem including the important frameworks and tools. Participants will learn to design, implement and operate a modern IIoT infrastructure.