

[L3-DE] Productionizing Data Pipelines

Session 1	
Preparing a data pipeline for deployment	<ul style="list-style-type: none"> Introduction What does productionization mean for a data engineer? Workflow invocation Integrated deployment Testing: application test and unit test Deployment options
Session 2	
Introduction to KNIME Business Hub	<ul style="list-style-type: none"> KNIME Business Hub Overview Connecting and Uploading to KNIME Business Hub Versioning Workflow execution and deployment Jobs inspection
Session 3	
Validation and deployment automation	<ul style="list-style-type: none"> Data pipeline deployment process Continuous Deployment for Data Science extension (CDDS) overview Deployment on CDDS Custom validation on CDDS
Session 4	
Best practices to productionize data pipelines	<ul style="list-style-type: none"> Introduction to data governance (data quality, security, observability) Error handling for robust data pipelines Performance optimization for data pipelines efficiency Orchestration
Session 5	
Wrap up session	Discussion of the last exercise