

## [L3-DE] Productionizing Data Pipelines

Session 1	
Preparing a Data Pipeline for Deployment	<ul style="list-style-type: none"> <li>Introduction</li> <li>Workflow invocation</li> <li>Integrated deployment</li> <li>Testing: application test and unit test</li> </ul>
Session 2	
Introduction to KNIME Business Hub	<ul style="list-style-type: none"> <li>Connecting and uploading workflows</li> <li>Creating and navigating versions</li> <li>Workflow execution</li> <li>Deployment options</li> </ul>
Session 3	
ETL and ELT; Data Pipelines Validation and Deployment Automation	<ul style="list-style-type: none"> <li>Types of Data Pipelines</li> <li>Continuous Deployment for Data Science framework (CDDS)</li> <li>Simple deployment on CDDS</li> <li>Automated deployment on CDDS</li> </ul>
Session 4	
Best Practices when Productionizing Data Pipelines	<ul style="list-style-type: none"> <li>Data Governance – Quality, Security, Cataloging</li> <li>Events Logging and tracking</li> <li>Orchestration</li> <li>Performance optimization</li> </ul>
Session 5	
Wrap Up Session	Discussion of the last exercise