

Client Advocacy Library - Content Catalog

Predict

aka **Data & AI**

Cloud Pak for Data (CP4Data)

1. [Python and Analytics](#), current version:

- Python3
- work with dataframes
- python-pandas
- Titanic data set
- Natural language understanding

2. [Credit Risk Workshop](#):

- Data Connection and Virtualization
- Importing Data
- Data Virtualization and Data Refinery
- Data Governance with Watson Knowledge Catalog - for Users
- Data Governance with Watson Knowledge Catalog - for Admins
- Machine learning with AutoAI
- Machine learning with Jupyter notebooks
- Machine learning - deployment, scoring, and use in an application
- Monitoring Models with OpenScale - Auto Setup
- Monitoring Models with OpenScale - using APIs with Jupyter notebook

3. [Health Care Workshop](#):

- Data Connection and Virtualization
- Importing Data
- Data Virtualization and Data Refinery
- Data Governance with Watson Knowledge Catalog - for Admins
- Machine learning with AutoAI
- Monitoring Models with OpenScale - Auto Setup

4. [Telco Workshop](#):

- Data Connection and Virtualization
- Git Integration
- Importing Data
- ETL with Datastage
- Data Virtualization and Data Refinery
- Data Governance with Watson Knowledge Catalog - for Users
- Data Governance with Watson Knowledge Catalog - for Admins
- Machine learning with AutoAI
- Machine learning with Jupyter notebooks
- Machine learning - deployment, scoring, and use in an application
- Monitoring Models with OpenScale - Auto Setup
- Monitoring Models with OpenScale - using APIs with Jupyter notebook

Cloud Native

(AppMod1) Application Modernization 1

1. [Containers 101](#)
2. [Kubernetes 101](#)
3. [Helm 101](#)
4. [Networking 101](#)
5. [Istio 101](#)
6. [Kubernetes Storage 101](#)
7. [Jenkins 101](#)

(AppMod2) Application Modernization 2

1. Config Management for Kubernetes 101,
2. API Management, Documentation and Security using API Connect
3. Message Streams using Apache Kafka
4. [Operators of Go type using Operator SDK](#)
5. [Operators from Helm Charts using Operator SDK](#)

(KubeStor1) Kubernetes Storage 1

[Kubernetes Persistent Storage - \(video playlist\)](#)

1. [Container Storage](#)
2. [Kubernetes Storage 101 - \(video\)](#)
3. [StatefulSets](#)
4. [File Storage](#)
5. [Block Storage - \(video\)](#)
6. [Object Storage using S3FS-Fuse](#)
7. [Using External Storage and Operators - \(video\)](#)
8. [Software Defined Storage \(SDS\)](#)
9. [FUSE and S3FS-Fuse for Object Storage - \(video\)](#)

DevOps

(DevOps1) DevOps 101

1. [Docker Build](#)
2. [Source-to-Image \(S2I\) Build](#)
3. [Pipeline Build using Jenkins](#)
4. [Tekton 101](#)
5. [Jenkins 101](#)
6. [Infrastructure-as-Code \(IaC\) using Ansible and AWX](#)
7. [CodeReady Workspaces and Odo](#)

Security

(DevSecOps1) Secure DevOps 1

1. [Static Application Security Testing \(SAST\) using SonarQube](#)
2. Secure Build Pipelines using Tekton, Harbor and Clair
3. Encrypted Config Management using Vault
4. Monitoring Container Runtime using Sysdig Falco

(KubeSec1) Kubernetes Security 1

1. [Static Application Security Testing \(SAST\) with SonarQube Vulnerability Scanning](#)
2. Presentation: Container Security (link to be added)
3. [OpenShift RBAC using SecurityContextConstraints \(SCC\)](#)
4. API Security and Lifecycle Management with API Connect
5. [Kubernetes Logging 101 using LogDNA,](#)
6. [Kubernetes Monitoring 101 with Sysdig Monitor,](#)

(KubeNet1) Kubernetes Networking 1

Kubernetes Networking - ([video playlist](#))

1. [Kubernetes Networking 101 - \(video\)](#)
2. Secure Networking using Project Calico
3. Securing Routes on OpenShift
4. [Secure a Cluster using Virtual Private Cloud \(VPC\) - \(video\)](#)

Integration

(CP4I) Cloud Pak for Integration

1. API Connect
2. Integrate with Salesforce using AppConnect
3. Traces with CP4I
4. Message Streams using Apache Kafka