

IBM

2022 4 1 / / -- IBM IBM Cloud Pak for Data Python OPL CPLEX CPO IBM

IBM KPI IBM

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1. CPLEX

CPLEX 80 1988 1997 ILOG 2009 IBM CPLEX
CPLEX LP (QP) (QCP) (MIP) IBM ILOG CPLEX IBM Decision
Optimization

2. IBM COS

IBM ILOG CPLEX Optimization Studio(COS) COS

2.1 COS

COS CPLEX CPLEX CPLEX CPLEX CPLEX CPLEX CPLEX
CPLEX
COS CPO (Constraint Programming Optimizer) COS CPO CPLEX CPO
CPLEX CPO

2.2 COS

COS (IDE) Eclipse IDE OPL(Optimization Programming Language) IDE OPL OPL
OPL

2.3

COS IBM Connectors SPSS Modeler Connector Planning Analytics Connector Excel JDBC Connector () Microsoft Solver Foundation MATLAB Connector API C, Java, C++, .NET, Python

3. IBM DOC

IBM (Decision Optimization Center DOC)

DOC Docker Compose Helm Openshift Kubernetes Optimization Server(DOC OS) I
DOC OS

DOC OS Master (RabbitMQ) Worker Worker DOC OS CPLEX OPL Worker
(MongoDB) Web () Web

4.

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IBM Watson IBM Watson IBM Decision Optimization for Watson Studio(DO for Watson Studio) DO for
Watson Studio AI DO for Watson Studio W

5.

IBM Planning Analytics(PA) “TM1” PA Watson IBM Planning Analytics with Watson

PA PA 2021 PA Cloud IBM

6.

(Data Fabric) IBM Cloud Pak for Data
AI

IBM Cloud Pak for Data “ ” “ ” IBM IBM Cloud Pak for Data
Python OPL CPLEX CPO

IBM Cloud Pak for Data

Python(Notebook) OPL ()

KPI ()

7.

IBM

IBM AI “ IBM IBM Cloud Pak for Data
APS ”

IBM “ IBM IBM (MVP) ”

IBM Cloud Pak for Data AI

IBM

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