

# Connect your world with IBM Cloud Private and Data Science Experience Local



*Master the art of data science using the best open source tools and IBM expertise*

---

## Highlights

- Unifies numerous open source components and IBM technologies to provide the tools data science teams need to do their jobs
  - Offers the benefits of a public cloud on a security-rich, scalable private cloud platform
  - Provides flexibility to leverage Data Science Experience for development as well as for production in a single deployment model
- 

## Introduction

Data is all around us, but it's up to data scientists to turn that data into something meaningful and valuable. To accomplish this goal, data science teams must have the right tools at their disposal, including a robust, integrated platform—and one that may dictate a customer-controlled and security-rich environment as a result of data sensitivity needs.

IBM® Data Science Experience Local offers a collaborative platform for data scientists and their teams. IBM Data Science Experience Local delivered on IBM Cloud Private not only provides the tools data science teams need but offers the ability to deploy behind their own firewall. Drawing from across open source and IBM technologies to create value, IBM Data Science Experience on IBM Cloud Private can help data science teams become better at what they do.



## **Connect almost anything on premises and in the cloud**

Through Data Science Experience on IBM Cloud Private, you can open your existing assets, expertise and processes to enable a more nimble consumption model that drives innovation and meets business demands. With containers, Kubernetes and Cloud Foundry at the base, organizations can accelerate adoption of container technology as a strategic building block for increasing application developer productivity and decoupling teams to enable speed and agility.

And with automated, built-in dashboards and analytics, you can manage applications and services across multiple clouds for flexibility and choice. Add in the services needed to do key functions like connecting APIs and data, while also monitoring, logging and managing events—and you have a foundation built for rapidly producing quality code and accelerating business value.

It's the best of both worlds—helping enterprises leverage the power of private cloud to enable new technologies and DevOps models for new cloud application creation and deployment—all with a single platform.

## **Work smarter and faster as a team**

IBM Data Science Experience Local provides a platform that can unify numerous open source components to help data scientists collaborate with peers on projects to find better solutions together. They can share their knowledge and code, help accelerate the advancement of data science for others, or get input from peers on their own work. Data scientists can fork their notebooks and share them with the entire community to demonstrate successful approaches to others or get feedback on their work.

In addition, IBM Data Science Experience Local includes shared data sets and a wealth of tutorials and how-to articles to help ensure new data scientists and teams have what they need to get started. Experienced data scientists can also use these resources to try out new approaches. And because Data Science Exchange is designed to provide a preconfigured data science platform out of the box, users don't have to worry about performing tasks for installing, setting up and maintaining data science tools.

## Why IBM Cloud Private?

Built to help you solve problems and advance opportunities in a world rich with data, IBM Cloud Private can deliver:

### Business innovation

- New microservices-based applications to build, deploy and manage more easily—offering dynamic scalability and variable demand management
- New integrated IBM and open source DevOps tools and services for code repositories, deployment, test automation and promotion to production
- Virtually seamless integration to IBM Public Cloud—designed to offer secure access and integration to innovative technologies including cognitive/AI, Blockchain, IoT and more

### Integration

- Ease of access to the platform and other services to help developers easily integrate within and across cloud environments
- Catalog of services and integration tools to assist developers on- and off-premises.

## Greater compliance and management

- Capabilities designed to monitor, secure and operate microservices at scale
- Security-rich corporate data and compliance management with government regulations and/or industry standards
- Management, back-up and recovery of data and applications

### Investment protection

- Ability to preserve or delay risky application changes by using the next generation of cloud-enabled software
- Ability to modernize existing heritage applications while integrating with new applications
- Catalog of software and services to enable developers and operations teams to more confidently migrate applications to new versions and the cloud

## Ready to try it out?

Install the cost-free Community Edition of IBM Cloud Private [www.ibm.com/marketing/iwm/dre/signup?source=urx-19310&S\\_PKG=ov60811](http://www.ibm.com/marketing/iwm/dre/signup?source=urx-19310&S_PKG=ov60811)

## For more information

To learn more about IBM and IBM Data Science experience, visit [ibm.com/datascience](http://ibm.com/datascience)



---

© Copyright IBM Corporation 2017

IBM Corporation  
New Orchard Road  
Armonk, NY 10504

Produced in the United States of America  
November 2017

IBM, the IBM logo and ibm.com are trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the web at "Copyright and trademark information" [www.ibm.com/legal/copytrade.shtml](http://www.ibm.com/legal/copytrade.shtml).

This document is current as of the initial date of publication and may be changed by IBM at any time. Not all offerings are available in every country in which IBM operates.

Statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only.

It is the user's responsibility to evaluate and verify the operation of any other products or programs with IBM products and programs.

THE INFORMATION IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY OR CONDITION OF NON-INFRINGEMENT. IBM products are warranted according to the terms and conditions of the agreements under which they are provided.

The client is responsible for ensuring compliance with laws and regulations applicable to it. IBM does not provide legal advice or represent or warrant that its services or products will ensure that the client is in compliance with any law or regulation.

Statement of Good Security Practices: IT system security involves protecting systems and information through prevention, detection and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, misappropriated or misused or can result in damage to or misuse of your systems, including for use in attacks on others. No IT system or product should be considered completely secure and no single product, service or security measure can be completely effective in preventing improper use or access. IBM systems, products and services are designed to be part of a lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products or services to be most effective. **IBM DOES NOT WARRANT THAT ANY SYSTEMS, PRODUCTS OR SERVICES ARE IMMUNE FROM, OR WILL MAKE YOUR ENTERPRISE IMMUNE FROM, THE MALICIOUS OR ILLEGAL CONDUCT OF ANY PARTY.**



Please Recycle