



# IBM Systems Lab Services Open Source Software

Infrastructure  
expertise for  
hybrid cloud and  
enterprise IT

IBM Systems Lab Services offers infrastructure and software services to help you build hybrid cloud and enterprise IT. From servers and mainframes to storage systems and software, Lab Services helps you deploy the building blocks of a next-generation IT infrastructure that empowers your business.

## **Servers**

Built to handle mission-critical workloads while maintaining security, reliability and control of your entire IT infrastructure

## **Storage**

Transform and enhance your business with a comprehensive storage solution that integrates and refreshes your existing IT infrastructure, while reducing costs

## **Software**

Maximize the value of your infrastructure with multi-platform software and operating systems that accelerate your workloads and simplify administration

Our Lab Services consultants perform infrastructure services for clients online or onsite, offering deep technical expertise, valuable tools and successful methodologies. Our services are designed to help clients solve business challenges, gain new skills and apply best practices.

Lab Services offers a wide range of infrastructure and software services for IBM Power®, IBM Storage, IBM Z® and IBM LinuxONE™, and open source software. Lab Services has a global presence and can deploy experienced consultants around the world.





## Open Source Software

IBM Systems Lab Services offers infrastructure and software services to help you build the foundation for today's hybrid cloud and enterprise IT data centers. Open source technology has become an integral component for driving faster business outcomes and innovation. Companies are seeing the value of open source software for running their mission-critical and enterprise-scale applications, often at less cost with greater flexibility than commercial options. As more cloud-based applications power business operations, open source software packages are key to infrastructure choice. We provide expertise for select community open source software projects running on x86-64, major cloud providers, or on IBM Power, Storage and IBM Z for application modernization, data and containerization. Our open source discovery methodology helps accelerate your transformation journey providing a roadmap for successful strategy, governance, optimization and improved efficiency. Our Open Source Software Services team helps you deploy the building blocks of a next-generation IT infrastructure and software that empowers your business.

## Application Modernization

Application modernization addresses the transformation of legacy to new applications or platforms, often including the integration of open source innovation to provide the latest capabilities to your business. We provide modernization advisory services for open source software include platform and tool selection, architecture and design, coding, and performance tuning. Typical community open source products for application modernization include:

- Adopt OpenJDK
- Apache ActiveMQ
- Apache Kafka
- Apache Tomcat
- Elasticsearch (ELK)
- Grafana
- JanusGraph
- Jenkins
- Kibana
- Logstash
- Node.js
- Prometheus
- Python
- Spring Framework
- WildFly
- Zabbix



**Contact us today at**  
[ibmsls@ibm.com](mailto:ibmsls@ibm.com)  
to see how IBM Systems  
Lab Services can help  
your business.

## Data

Organizations are increasingly turning toward open source databases and analytics engines as new standards for their data infrastructure with enterprise applications. We advise clients on design options for open source databases for deployment of new applications or legacy database migration. We also offer services for assessing the performance and efficiency of open source database environments. We advise data and analytics leaders, including database administrators and application developers, on evaluating open source data alternatives including:

- Apache Cassandra
- Apache Spark
- Fujitsu Enterprise Postgres
- MariaDB
- MongoDB
- PostgreSQL
- Redis

## Hybrid Cloud

Containers are popular in hybrid cloud environments because they eliminate many of the disadvantages of rolling out large, monolithic applications that can become more complex and cause performance issues over time. Our services for hybrid cloud include containerization that will help you encapsulate or package software code and all its dependencies so it can run uniformly and consistently on any infrastructure. Containerization lets developers create and deploy applications faster and more securely. Containerization allows for portability of applications to be “written once and run anywhere.” We provide services for integrating cloud management and orchestration platforms. Typical community open source products for containerization include:

- Ansible®
- Docker
- Kubernetes
- Red Hat® Linux
- Red Hat OpenShift®

## Expertise Connect Subscription Services

Expertise Connect subscription services are designed to help clients achieve their business outcomes faster and more successfully through an ongoing trusted advisor relationship. Expertise Connect provides IBM Systems Lab Services clients with an assigned Technical Account Manager (TAM) and one or more of experienced Lab Services consultants, who become extended members of your team and act as trusted advisors and mentors.

## Lab Services is on your side

Infrastructure expertise to help you build the foundation for today’s hybrid cloud and enterprise IT data centers.

IBMSystems Lab Services helps you deploy the building blocks of a next-generation IT infrastructure that empowers your business.

- Solve business challenges
- Gain new skills
- Apply best practices

Contact us today to see how Lab Services can help you transform your business.



*900 experts around the world*



*Work performed in 163 countries*



*9,000+ client engagements annually*



*World-class NPS scores*

## IBM Partners

IBM Systems Lab Services collaborates closely with IBM Partners, helping them progress sales and accelerate the adoption of IBM Systems and Storage. Lab Services' mission is to engage with, complement and advance the skills of IBM Partners, not replace or compete with them.

Working with Lab Services gives IBM Partners and their customers direct access to our most experienced IBM consultants. Lab Services typically provides short-term, online or onsite professional services engagements in pre-sale or post-sale phases of an engagement.

IBM Partners can leverage Lab Services' infrastructure expertise to grow sales and compete for more complex opportunities, invest and expand in advanced skills for various new technologies, extend their business scope, and reduce the risk of working with new technologies while retaining control of their customers relationships.



### Contact us:

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### For more information:

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