



IBM Technology Expert Labs Power

Infrastructure expertise for hybrid cloud and enterprise IT

IBM Technology Expert Labs offers infrastructure services to help you build hybrid cloud and enterprise IT. From servers and mainframes to storage systems and software, Technology Expert Labs 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 Technology Expert Labs 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.

Technology Expert Labs offers a wide range of infrastructure services for IBM Power®, IBM Storage, IBM Z® and IBM LinuxONE™, and GDPS®. Technology Expert Labs has a global presence and can deploy experienced consultants around the world.





Contact us today at
systems-expert-labs@ibm.com
to see how IBM Technology
Expert Labs can help
your business.

Power

IBM Technology Expert Labs offers infrastructure services to help you build the foundation for today's hybrid cloud and enterprise IT data centers. With IBM Power servers and software, including AIX®, IBM i, Linux, PowerVM®, PowerVC and PowerHA®, Technology Expert Labs helps you deploy the building blocks of a next-generation IT infrastructure that empowers your business.

Technology Expert Labs Power specialties include:

Hybrid Cloud

We help businesses design and build a hybrid cloud infrastructure based on a foundation of PowerVM and PowerVC virtualization. We help clients implement PowerVC for flexible private cloud management services for Power, storage and networking. We also provide services for integrating with cloud management and orchestration platforms, including Red Hat OpenShift Container Platform. We provide services for clients who want to migrate IBM Power Virtual Servers co-located with IBM Cloud® for AIX, IBM i and SAP HANA workloads.

SAP HANA

We help clients build and optimize their SAP HANA landscape with Linux on Power deployed with a tailored data center infrastructure strategy. We advise clients on design options for flexible virtualization and capacity management to ensure their server, storage and networking resources meet business requirements and SAP KPIs. We advise clients on prerequisites, tools and best practices for data migration from any traditional database (Oracle, Db2®, Sybase) as well as from legacy SAP HANA on x86 to SAP HANA on IBM Power. Our experienced migration experts help clients deliver more successful SAP HANA projects.

Virtualization and Automated Operations

We help businesses deliver enterprise scale virtualization and automated operations. Our PowerVM virtualization services include the PowerVM Provisioning Toolkit that automates and accelerates building virtualized systems frames for Power10 migration and disaster recovery, a PowerVM Live Partition Mobility Automation Tool that simplifies and improves business controls for live migrations, and firmware and software maintenance of servers with high volumes of partitions. We help clients automate their operations for AIX, IBM i and Linux servers using Red Hat Ansible.

Service Resiliency

We help clients assess and improve their high-availability, resiliency and IT service management capabilities, practices and procedures based on IBM operations management and resiliency software. Our implementation services practices include PowerHA and VM Recovery Manager solutions and leveraging IBM Storage software including IBM MetroMirror, GlobalMirror and FlashCopy®.

Security

We help clients assess security and compliance practices and procedures across multiple operating systems, identifying any exposures, recommending the adoption

of best practices and, if necessary, advising on or performing remediation. Our consultants advise clients on their security and compliance procedures with software including PowerSC.

Accelerating Power Migration

We help clients migrate faster between generations of Power servers with enterprise scale provisioning and live migration automation tools. Our Power server migration services include Migration Planning to develop a transition plan for new technologies, Migration Validation with an onsite pre-production readiness review to validate migration best practices and performance, and Migration Automation services with tools and skills transfer to accelerate provisioning and migration efficiency.

Big Data and Analytics

We help businesses build open infrastructure for big data analytics, including for Hadoop and Spark with IBM Storage Scale storage solutions. We provide advisory services for securely integrating structured operational data held on systems of record with analytics and reporting on systems of engagement such as Cognos® and IBM Db2 Web Query.

Platform and Database Migration/Optimization

We help clients plan and assess server and workload migrations to IBM platforms from legacy environments including Solaris, HP-UX, Linux and x86 servers. We also help clients with Oracle, Informix, Sybase and Db2 databases migrate to IBM platforms with minimal downtime and reduced risk. We help clients running Oracle database solutions on Power, with options for performance optimization and optimal workload placement for license cost management. We advise clients on design options for open-source databases for deployment of new applications or Oracle database replacement. We also monitor and assess the performance and efficiency of application and database environments on Power, recommending and implementing best practices for optimal performance on AIX and IBM i across a full solution stack of Db2 and Oracle databases, server, storage and virtualization environments.

AI and Machine Learning

We help businesses rapidly deploy a fully optimized and supported cognitive infrastructure platform for enterprise AI. We help clients deploy and optimize training performance for AI solutions with the IBM Watson® Studio and Watson Machine Learning platform, which includes the most popular open frameworks and their dependencies, and is built for simple and rapid deployment.

High Performance Computing

We help clients build Power scale-out clusters for accelerated high performance computing (HPC) applications, including planning; integrating; and verifying compute, storage, network, software and workload requirements. We also implement and optimize IBM Storage Computing's policy-driven resource management solutions and parallel file systems for HPC.

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 Technology Expert Labs clients with an assigned Technical Account Manager (TAM) and one or more of experienced Technology Expert Labs consultants, who become extended members of your team and act as trusted advisors and mentors.

Technology Expert Labs is on your side

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

IBM Technology Expert Labs 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 Technology Expert Labs can help you transform your business.



800 experts around the world



Work performed in 163 countries



9,000+ client engagements annually



World-class NPS scores

IBM Business Partners

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

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

IBM Business Partners can leverage Technology Expert Labs' 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 customer relationships.



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For more information:

IBM Technology Expert Labs is available at: systems-expert-labs@ibm.com or online at ibm.com/products/expertlabs/infrastructure

IBM Business Partners, find us on Seismic: ibm.biz/SLsonSeismic

To see a list of Power Offerings from Technology Expert Labs, see ibm.com/downloads/cas/RKEYQE3M



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