EMC E-LAB DELIVERS PROVEN INTEROPERABILITY

E-Lab freely shares its knowledgebase through E-Lab Interoperability Navigator and community forums, providing customers one convenient, trusted authority for interoperability information.

IDEAS IN STORAGE TECHNOLOGY

Business and IT organizations demand technology environments with the highest degree of reliability. EMC® E-Lab™ helps customers achieve greater reliability by carefully testing extensive and complex multi-vendor environments—just like those that customers use to run their businesses. This means customers can achieve a supportable environment and more easily plan improvements and respond to changes. That’s because E-Lab integrates practical knowledge directly into their IT operations. No gaps. No surprises.

EMC E-LAB

E-Lab is the industry’s premier and trusted interoperability and new technology testing lab. E-Lab pushes the limits of EMC and third-party product storage network functionality, performance, and scalability in real-world scenarios, resulting in industry-leading reliability. E-Lab conducts rigorous, end-to-end interoperability testing, spanning major platforms and operating systems, creating a deep body of knowledge—about both complete environments and customer use cases. Customers can deploy leading-edge technology and accelerate their journey to a scalable, automated, and full-featured cloud data center built on E-Lab’s promise—to provide the highest level of interoperability assurance and support every configuration we qualify: no disclaimers, no excuses.

E-Lab runs its own best practices and leverages cloud knowledge as part of testing, including defining interoperability between products. E-Lab not only validates which specific product combinations are supported, but also where the capabilities of different product types intersect and can be used together. Advanced Queries in the E-Lab Interoperability Navigator (ELN) allows users to see the difference in support between two selected storage arrays to facilitate migrations.

Platform integration and testing—E-Lab performs comprehensive testing in a shared core infrastructure to validate the robustness, scalability, and reliability of a product before it is considered qualified. EMC has unique partnership arrangements with all major server and OS vendors to deliver mutually-supported configurations, giving E-Lab a deep understanding of the entire storage ecosystem. In this way, E-Lab can best ensure reliability and robustness.

Storage network testing—Replicating or migrating data from remote data centers or building SANs spanning multiple data centers is very important. E-Lab tests a number of distance-extension and bridging products to provide these capabilities. Increasing bandwidth expands the usability of 3rd platform computing. E-Lab tests bandwidth scaling for next-generation data center networking. E-Lab matures new software-defined networked technologies to address any network virtualization implementation in various cloud solutions.

Cloud-based solutions—Today’s IT organizations are continuing to embrace 3rd platform technology built on hybrid clouds with on-demand service and data replication capabilities. Therefore, E-Lab continues to invest heavily in storage virtualization, cloud-enabled infrastructure, and high availability solutions. The E-Lab testing approach includes network and storage provisioning, automated monitoring, multi-tenancy, cloud elasticity, and backup and recovery. This enables our customers to deliver cloud-based services to their business with reduced cost, improved availability, security, and control of critical information.

ESSENTIALS

- E-Lab plays a leading role in the development and testing of advanced data storage and network products.
- E-Lab has fostered maturity in storage networking technology for more than a decade.
- E-Lab knowledge—Helps customers achieve optimized supportability through knowledge, integration, change management, and service expertise.
- Provides assurance and technical foundation for information lifecycle management and federated storage.
- Enables new storage technology to be readiness-tested for interoperability, integration, and reliable operational benefit.
Third-party certification—E-Lab tests and certifies third-party products with EMC storage solutions, including flash and software-defined storage. Testing includes functionality, performance, and scalability.

Industry certification—E-Lab provides certifications and validations, along with supporting collateral, with key ISV partners to enable faster time to market of EMC products. Equipment is leveraged for multiple ISV partners to improve efficiency and reduce testing costs.

E-LAB INTEROPERABILITY NAVIGATOR
EMC freely shares its knowledge with customers, partners, and competitors through E-Lab Interoperability Navigator (ELN). ELN is a robust, web-based interoperability and solution search portal and home of the EMC Support Matrix (ESM), a collection of supported configurations and solutions for EMC products. Answering over one million queries a year, ELN provides customers everything they need to know about interoperability in one place.

ELN contains E-Lab’s complete knowledgebase to help keep customer environments operating safely and efficiently across diverse product lines, including:
- EMC Support Matrix, accessed in a variety of different formats
- Simple support matrices
- Purpose-built solutions, including cloud, flash storage, etc.
- Advanced and guided-based queries
- Documentation, including specialized configurations, extended support, host connectivity guides, and EMC networked storage topology TechBooks

E-Lab helps customers minimize risks, save time, and simplify operations.

HOW CUSTOMERS BENEFIT FROM E-LAB TESTING AND ELN
Through E-Lab Interoperability Navigator, EMC E-Lab provides proven interoperability information that customers need to transform their data center in four important ways:

- Access to comprehensive multi-vendor product capability integration—ELN hosts a knowledgebase that deals in complete infrastructures, validating entire end-to-end operations for components, servers, storage, networks, file systems, clustering, applications, utilities, management, and more.
- Development and hardening of new storage and networking technologies—New technologies introduce changing interoperability requirements and ELN helps customers anticipate and answer how new products will work in their infrastructure.
- Best practices for customers to leverage E-Lab knowledge—Customers can use ELN to apply E-Lab’s interoperability knowledge directly to their own environment via intelligent discovery, customized notifications, automated updates, and more. ELN details EMC Support Matrix target versions, enabling systems to operate with the most robust versions of the products and with full support by EMC.
- Visibility to multi-vendor solutions and feature-enablement—E-Lab provides purpose-built solutions for safely planning and implementing technology transitions and Industry applications. ELN generates planning and deployment details on everything from boot-device configurations and migration compatibility to feature use and design considerations.

HOW TO ACCESS ELN
Register with EMC at http://emc.com (free) to have full access to ELN. You can trust EMC E-Lab for proven results to safely transform your data center to a scalable, automated, and full-featured cloud data center.

VISIT E-LAB INTEROPERABILITY NAVIGATOR
Visit the next-generation ELN at https://elabnavigator.emc.com and leverage over 15 years of testing and industry-leading experience. See how EMC E-Lab can energize and transition your data center.

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