



Productivity. Control. Insight.

Optimize Test and Development With Advanced Lab and Test Automation Solutions

Ask Yourself

If you're asking any or all of these five questions, you need the AutoTest, Lab Manager, and GaleForce solutions for automated test and development:

1. What options do I have to improve test quality and coverage?
2. How can I achieve fully automated, lights-out testing across multiple configurations?
3. What's the most efficient way to accurately track and publish test progress?
4. What's the most cost effective way to give distributed development teams more visibility and faster access to lab resources?
5. How can I reduce unnecessary capital expenditures in our testing labs?

Your Challenge: Optimizing Test and Development for Faster Time-to-Market

Your test and development teams are a critical part of your business – but they consistently take milestone deadlines to the wire, and sometimes beyond. So what's slowing them down? It's the same persistent problem in most network and testing labs – the excessive time it takes to re-cable and manually set up test configurations between tests. And in some cases, additional time is wasted – and additional costs are incurred – by having to fix human errors that can occur during the complex procedure to replace manual patch panels.

If you are like many companies, you probably want to expand testing to globally distributed teams. Yet the complexity and cost of equipment in multiple labs is prohibitive. What's more, too many of your costly lab resources are being under-utilized, while others are being stretched to the limit. You need more control, more insight into their usage patterns, plus a simplified way to share resources cost effectively.

Market demands are driving your organization to improve test and development processes, but how can you overcome the following challenges?

- Create pools of shared equipment to replace monolithic test beds.
- Reduce human error associated with cabling and configuration issues.
- Provide access to appropriate lab resources to globally distributed development teams.
- Reduce the risk in managing multiple infrastructure solutions.
- Increase visibility and improve tracking of lab resources to support more informed capital expenditure decisions.

Gale Technologies has the answer. We apply our groundbreaking solutions for advanced lab and test automation to eliminate error-prone manual steps in pre-production testing and optimize the use of your under-utilized lab resources. As a result, we can help you improve test quality and coverage to support faster time-to-market.

Automate Test and Development with Gale Solutions

The deadline for a major development milestone is looming and the ball is now in the hands of the test engineering teams – two in the U.S. and one in Europe. How can your distributed teams share resources efficiently and avoid the time delays and errors common to manual re-cabling and re-configuration? They can do it with AutoTest, Lab Manager, and GaleForce – robust solutions for lab and test automation that provide the productivity, control, and insight they need.

“We use Gale software to achieve a higher level of efficiency, unparalleled power, and flexibility. In addition, it has allowed us to drive down our cost and pass that on to our customer base.”

– Co-Founder and CEO

Interoperability Test Lab

The Conventional Lab vs. the Automated Lab

The chart below outlines five key ways that Gale's automated test and development solutions can transform the drawbacks of the conventional test lab into streamlined, efficient, and cost effective processes:

Conventional Test Lab	Automated Test Lab with Gale Solutions
Spend days changing hard-wired topologies, static test beds, and manual patch panels.	Spend minutes doing flexible, dynamic topology setup, tear down, and replication through intuitive GUI.
Risk human error with manual capture and implementation of device configurations and network topologies.	Eliminate errors through drag and drop capture and automated implementation.
Waste capital investment on dedicated, underutilized equipment.	Enhance investment by optimizing scheduling and allocation of both shared and dedicated equipment.
Slow down test processes with limited remote access to individual devices.	Accelerate testing and overall development time with remote access to entire labs with full remote control of all lab and test resources.
Lose efficiency with high-effort, hard-coded test automation that is difficult to maintain.	Gain efficiency and cost savings with portable, reusable test automation with device and topology independence.

The Gale Solutions

- **GaleForce** is an advanced, end-to-end automation and orchestration platform that optimizes the management and provisioning of physical and virtual environments in the lab, data center, or cloud. Like Lab Manager, GaleForce automates the Layer 1 control plane, but also manages Layer 2 switching, software provisioning, virtualization, and other advanced capabilities.
- **Lab Manager** is Gale's award winning, easy-to-use software solution for management and automation of a lab's physical layer connectivity. By combining device management, dynamic reconfiguration of automated patch panels, power control, and remote access, it delivers unprecedented levels of speed, efficiency, and repeatability to optimize test and development.
- **AutoTest** provides a complete framework to better organize tests, schedule and execute them, as well as track their results. It gives management real-time insight into the coverage, status, and results of devices being tested, as well as facilitates the re-use and sharing of tests for faster, more reliable, and higher quality testing.

Using any of these products, test engineers can streamline design verification, regression, system, and interoperability testing for faster time-to-market.

How to Get Started

Look to Gale Technologies when you need to automate network connectivity for optimized test and development processes. To learn more about our solutions, please call us at +1 866-450-3336 toll free in North America or +1 408-213-4900 worldwide, visit us at www.galetechnologies.com, or email info@galetechnologies.com.

About Gale Technologies

Gale Technologies provides advanced software solutions to automate, orchestrate, and optimize resources - transforming the process of infrastructure service delivery. As a pioneer of innovative solutions for provisioning and workflow automation across networking, server, storage, and virtualization technologies, Gale enables the automated and self-service provisioning of private and public cloud environments. The company's end-to-end solutions enable organizations to reduce capital and operational expenditures, set up any dynamic lab, demo, data center, or cloud in just minutes, and provide secure access to resources 24x7 from anywhere in the world. Gale Technologies is based in Santa Clara, CA, and serves a global customer base with offices in North America and Asia.

