

# Logigear assists DCIM Software Solution provider with test automation implementation using TestArchitect™





## Business Needs and Challenges

Our client is an international developer of open enterprise-class Data Center Infrastructure Management (DCIM) software solutions. Their DCIM offers a software solution that delivers an unparalleled view of physical ecosystem assets, systems, and workflows, presenting entire infrastructures in a way that is easy to both understand and manage.

The client transforms data into knowledge and knowledge into actionable insights for their customers. Because the client owns an extensive number of supported platforms and client components, the client requires numerous tools in order to handle the required functional, load, and security testing for each release. However, due to limited technical capability, the client sought out testing experts to aid with their testing needs.

The testing procedure proved extremely complex to the wide range of supported platforms, functionality, and test environments. Additionally, the client's database issues only occurred in real environments. Add to this the expansive nature of the database, and it made for 1 complex testing project.

### FAST FACTS

- INDUSTRY: • Information Technology
- COMPANY SIZE: • 51-200 employees
- LOCATION: • USA
- LOGIGEAR • TestArchitect™
- DELIVERED: • Sanity Tests
  - Integration Tests
  - Database Testing
  - Regression Testing
  - API Testing
  - Performance Testing
- BUSINESS • 9,400 test cases created
- IMPACT: • Helped reduce to 2 weeks sprint cycle



## The Solution

After consultations between LogiGear and the client, the LogiGear team designed a testing procedure with overall objectives being (1) to limit the issues that happen on scheduled releases and (2) to address any bugs found. The project included numerous test types, including sanity testing, integration testing, database testing, regression testing, API testing, and performance testing; the vast array of test types can be attributed to the aforementioned extensive number of supported platforms and client components owned by the client. Both the client and the LogiGear team wanted to ensure the proper functionality of the DCIM, thus, extensive testing was necessary. The test targets included 1 thick client component, 2 web applications, web services, and reports in numerous testing environments such as Windows Server 2012, Windows Server 2016, Windows 7, and Windows 10. The database management system used was SQL Server 2014/2016.

The project was divided into 2-week sprints. In order to meet deadlines, the LogiGear team utilized fully integrated Automation Testing, and 5% of these automated test cases used TestArchitect™. The automated testing program implemented Zephyr for JIRA, which helped the team actively and effectively collect requirements, sagas, epics, and related stories for new releases. It also utilized JIRA for bug tracking, reporting, and test execution; any issues found were reported and sent directly to the client's developers for remediation.

## The Result

Despite the complexity of the project itself, testing efforts have proved beneficial. Since the project's beginning, 9,400 test cases have been created and executed. All issues found were addressed and resolved in a timely manner, supporting the client's fast launches of new releases. Furthermore, approximately 5% were automated using TestArchitect™ tools. The release cycle was around 3 months separated into 2 week sprints. During the engagement, the LogiGear Team and the client maintained a good sense of collaboration, with the client having kind words to say regarding LogiGear's work.

## About LogiGear

LogiGear is a leading provider of software testing services, test automation and application development and maintenance. We help organizations deliver better products while saving time and money. Since 1994, we have completed testing projects with hundreds of companies from early stage startups to Fortune 100, across a wide range of industries and technologies.



### LogiGear USA - Headquarters

1730 S. Amphlett Blvd. Suite 200  
San Mateo, CA 94402

Tel : +1(800) 322-0333 (Sales)  
: +1(650) 572-1400 (Support)

Website : [www.logigear.com](http://www.logigear.com)

Email : [sales@logigear.com](mailto:sales@logigear.com)