

CASE STUDY



Product Development & Quality Assurance

Summary

Our Customer is a leading provider of cyber situational awareness platform for enterprise network infrastructure, segmentation and breach detection analytics.

The customer has a range of products that perform Network Indexing, Leak Path Detection and Network Mapping on-demand, point-in-time, focusing on network situational awareness. They wanted to introduce a new set of functionality to the product, and wanted an able partner to help them.

Vertex Computer Systems pitched in as an outsourcing partner for product development and formed an extended product development team. Vertex has taken over a wide range of Quality assurance services for the products that helped the customer achieve their goals.

Business Challenge

The customer has a range of products that perform Network Indexing, Leak Path Detection and Network Mapping on-demand, point-in-time, focusing on network situational awareness. The customer wanted to develop a complete new range of functionality and expedite the time-to-market. In order to do this, the customer wanted a product development that can take ownership of multiple activities.

VERTEX

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Vertex Solution

Vertex carried out the project in a phase wise manner.

Phase 1:

Vertex has worked with the product development team and understood the overall functionality of the product. We had a detailed understanding of the technology stack, architecture, business logic, middleware, the history of issues, problem areas faced by the product users, support issues and desired future functionality, and performed a gap analysis and impact analysis.

Phase 2:

Vertex stood up a strong team of Developers and Quality Assurance Specialists that formed an extended team of product development for our customer. In this phase, Vertex also developed a lot of integrators that were needed for the products to be integrated with different enterprise system at the time of final installation.

Phase 3:

Vertex has scaled up the Quality Assurance services to the next level by becoming the only QA vendor of the customer's products. Vertex offered:

- End-to-end Testing
 - Functional Testing
 - Integration Testing
- Product-based Testing
 - GUI testing
 - Console Tests
 - API tests
 - PKI and EPD Tests (Public Key Infra structure & Enhanced Perimeter Discovery)
 - PEN Testing (Penetration testing)
- CLI Testing
 - Develop CLI Automation Test Scripts for every required release (using PERL & Expect)
- Managing Test results and reports at Integrated Test Management Tool (JIRA)

BUSINESS VALUE

- High Defect Removal Efficiency
- On-time Delivery
- Reduced Time to Market
- Efficient QA Services resulted in cost savings on product QA and the time has reduced significantly

About Us

Vertex is a CMMi Level-3 IT consulting organization that engages with its customers at a strategic level and provides 'thought leadership'. Vertex's team of Solution Scientists craft innovative solutions, with a holistic view, that make businesses smarter. Vertex acts as an advisory partner, aligning its offerings with the business goals and objectives of its customers.

For more information, reach us at info@vertexcs.com

