

**Cycle®**Business Process Validation for your  
entire supply chain operation**cycle**

## THE CHALLENGE

During peak work hours or periods of high volumes, supply chain professionals often discover costly system latency issues that are difficult to predict prior to production. Testing is the single most important facet of system implementation, directly impacting the success or failure of your operation—yet initiating an effective test strategy requires planning and tight alignment between IT and Operations teams.

## OUR APPROACH

We approach the challenges associated with load and volume testing by delivering software and services to help you:

- **Develop a strong test strategy** prior to launching a project. Our sample project briefs provide your team with an outline for tackling volume testing—from identifying stakeholders to documenting the project plan and measuring results.
- **Stress system components** that may be subject to performance degradation prior to a production environment. Cycle tests are engineered to stress hardware, vet contention and measure total system capacity.
- **Test to failure.** Pushing your system to failure enables you to pinpoint exactly when and where functions break so you can address weaknesses before moving to production.
- **Improve communication** between business and technical teams by allowing both teams to share and work from the same document.

## YOUR GOALS

- ✓ Identify system dependencies and risks during peak volumes.
- ✓ Baseline velocity for key initiatives, such as product launches.
- ✓ Determine quality, delivery and cost metrics for enterprise-level systems.



## CASE STUDY: LOAD TEST SIMULATING 500 USERS PRODUCES SURPRISING DISCOVERY

### CHALLENGE

Prior to a Warehouse Management System Go Live, a power equipment manufacturer wanted to stress test new servers to ensure additional load would not impact operations. Time-strapped, they turned to the team at Tryon Solutions to develop a test strategy to emulate 300 terminal devices working simultaneously.

### SOLUTION

Cycle® was used to successfully write and execute the volume test. Testing emulated end-user actions such as list picking, receiving and transfers, enabling the customer to track server response time as the number of terminals increased.

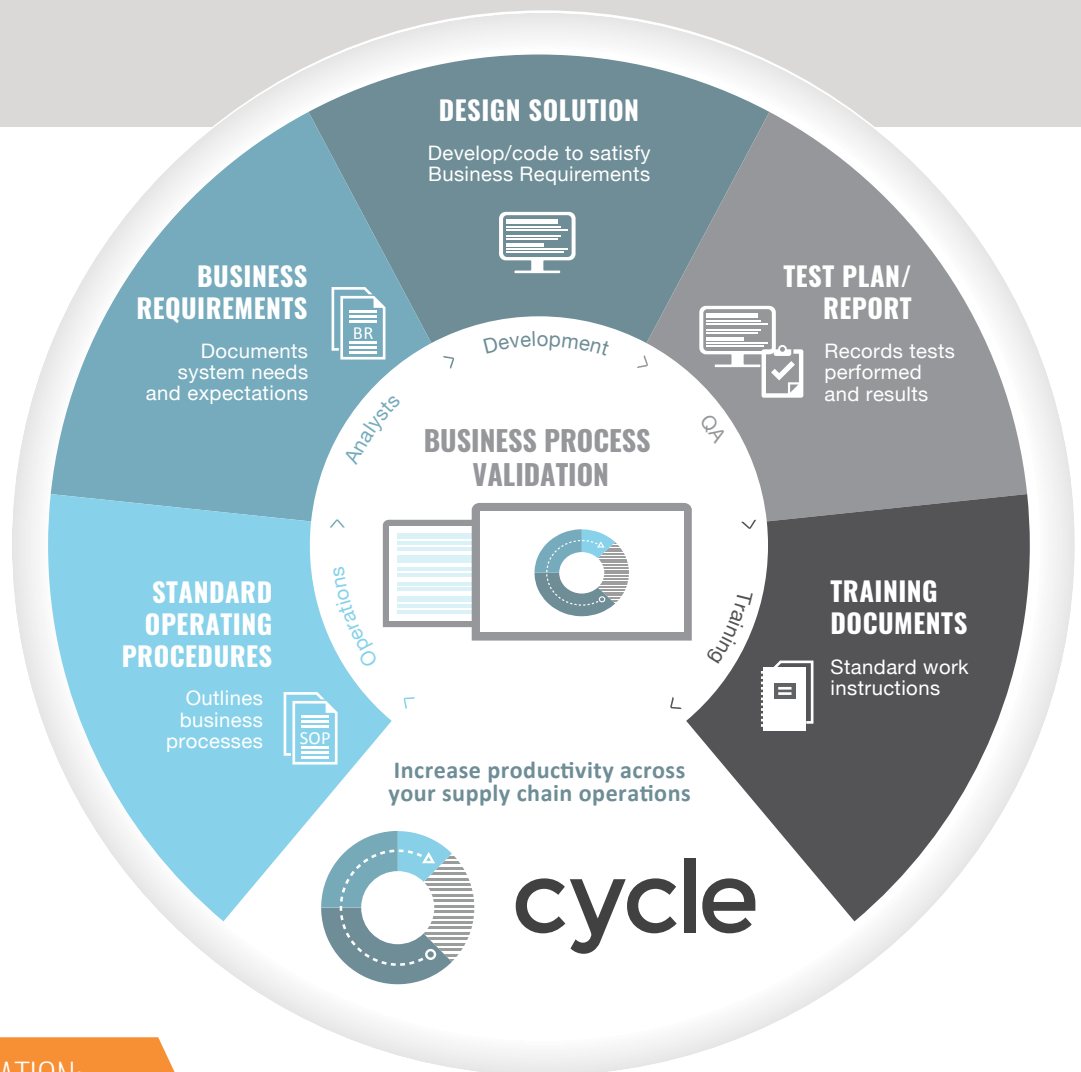
### RESULTS

- Following the successful volume test, Tryon Solutions increased the load until servers reached 100% CPU utilization at nearly 500 users. Surprisingly, database servers hit 100% CPU utilization much sooner than the new servers.
- Cycle tests validated both server and database settings, minimizing production issues.
- Customer concluded the project with a library of test scripts which can be used to conduct volume and regression tests against the system going forward.

## VISION FOR SUCCESS

Imagine if Operations, IT, Development and Training were all reading and working from the same document. With Cycle, the vision is possible.

Written in straightforward, conditional language, Cycle can be used across business and technical teams to increase productivity and communication—ensuring all stakeholders speak the same language and are aligned on expected outcomes.



FOR DETAILED PRODUCT INFORMATION:

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