Better, Faster, More Accurate

After a decade of out-performing the marketplace, Lexcel’s capacity planning solution has crushed all competing systems! Today, Lexcel is the standard against which others are modeled. Accelerate ATM, Point-of-Sale, eCommerce and Payment Network transaction streaming, custom transaction configuration and statistical transaction exchange reporting with Lexcel’s capacity planning solution.

Lexcel’s capacity planning solution, Lexcel TestSystem® CapSystem™ (CapSystem), is a proactive approach to managing end-to-end transaction processing for the unique disciplines of Performance and Stress and Capacity testing within the payment technology industry. CapSystem functionality includes accelerated EFT (ATM, Point of Sale, eCommerce and Payment Network) transaction streaming, custom transaction configuration and statistical transaction exchange reporting. Through CapSystem, organizations target specific areas of their systems to put under the microscope for the purpose of creating, identifying and solving potential system bottlenecks or application overloads.

CapSystem Provides Full-Session Testing Management:
• Requesting sessions replicate acquirer-generated transaction requests
• Responding sessions replicate issuer-generated transaction responses
• Stress console manages communications, reporting and transaction throughput

It Takes More than Just Data Streams to Stress Test
After a decade of out-performing the marketplace with proven methodology and results, Lexcel TestSystem® CapSystem™ has crushed all competing systems!
CapSystem is a proactive approach to managing end-to-end transaction processing through:
• Production-mirrored Protocol Connectivity
• Push Transactions Per Second Volumes in the Thousands
• Format-specific Transaction Processing Logic
• Encryption Generation and Validation

Precision Timing - Not Just for Athletes
The Precision Timing component of CapSystem enables you to map response times to the millisecond at intervals along the transaction life cycle. As transactions are traced at all points from their origin and back, Precision Timing measures and maps transaction latencies enabling you to determine precisely when and where transactions entered and exited the Host System.

Fast and True
Perform critical communications testing scenarios over a multitude of communications protocols with the Data Integrity feature of CapSystem, essential for determining the validity, integrity and reliability of message transmission.

Experience Automated Testing Management
Increase or decrease the TPS rates for each transaction source by performing concurrent format testing through the CapSystem’s console.

Always On-time Acquiring
CapSystem utilizes your audits and existing functional test scripts as inputs for accelerated testing. Configure an individual set of transaction requests for each message format to generate varying messages in production-like exchanges.

Sometimes Late Issuing
CapSystem issuing sessions perform data integrity processing and precision timing to ensure the validity of your data while also enabling user-defined transaction delays and other production-like response controls.

Ten Reasons You Need Lexcel’s Capacity Solutions:
1. Manage end-to-end transaction processing within the disciplines of Performance, Stress and Capacity testing
2. Test concurrently by designating transaction sources and increasing/decreasing the TPS rates for each transaction source
3. Unique sets of transaction requests and multiple transaction formats generate varying messages in production-like exchanges
4. Utilize your audits and existing functional test scripts as inputs for accelerated testing
5. Perform data integrity processing and precision timing to ensure the validity of your data
6. User-defined transaction delays and other production-like response controls
7. Determine overall system capacity by measuring both transactions per second (TPS), Response Time in milliseconds and sustainable peak loads
8. Logging and reporting capabilities specifically designed for in-depth post-test analysis
9. Perform critical protocol and transaction testing scenarios.
10. Exchange transactions concurrently through a multitude of communication protocols

Key Features of Lexcel’s Capacity Planning Solution:
• Create and Manage Transactions by Processing Code and Application Data
• Create Custom Test Scripts
• Inject Delays and Errors
• Use or Modify Existing Script Files from Other Groups
• True Protocol Support
• Transactions Per Second Volumes in the Thousands

Benefits Of Capacity Planning:
• Perform End-to-end Testing
• Completely External, Non-invasive, On Demand
• Replicate the Production Environment
• Perform Detailed System Analysis with Measurement and Mapping
• Create Production-like Testing with Data Transmission Integrity
• Basic to Complex Configurations Enable Scalable Solutions