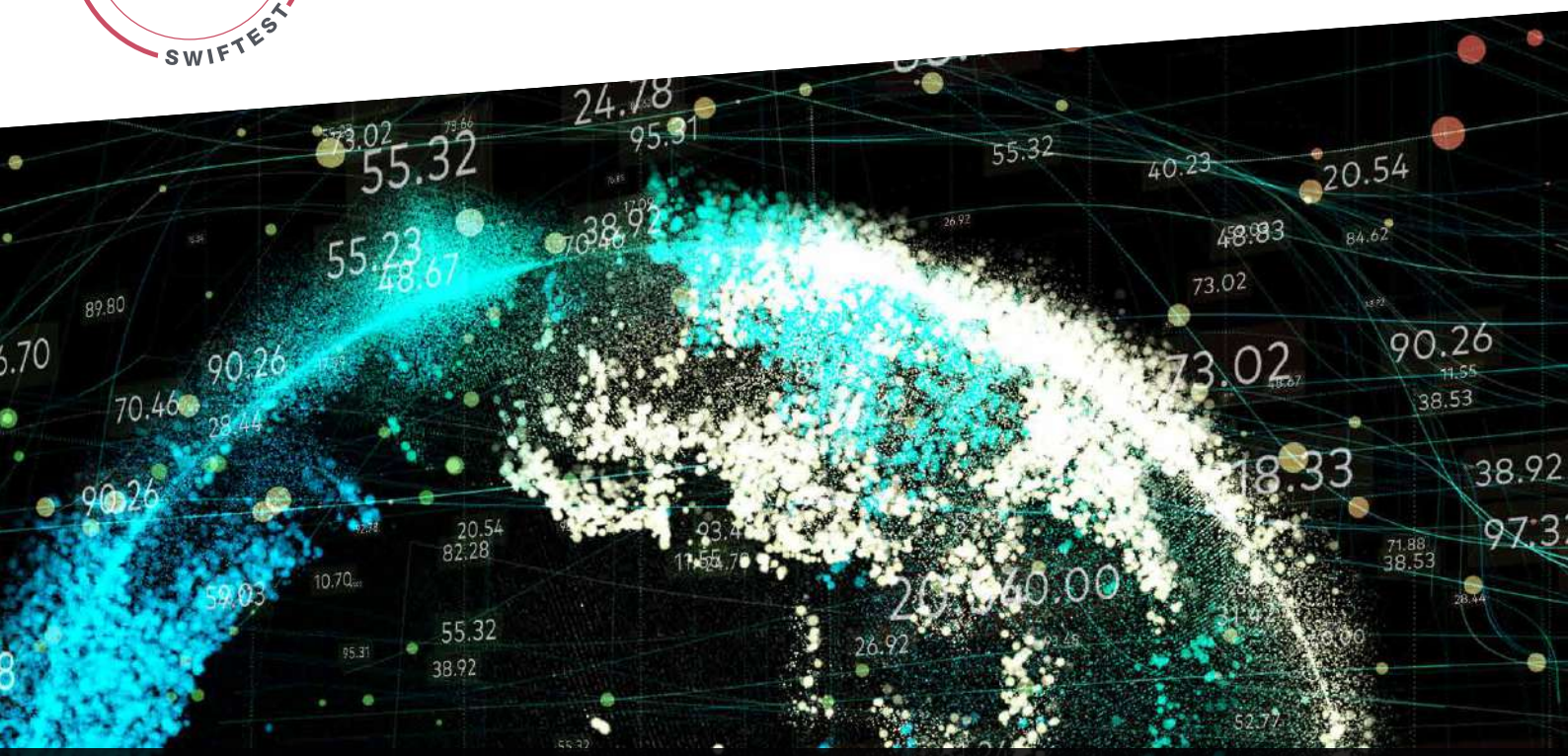
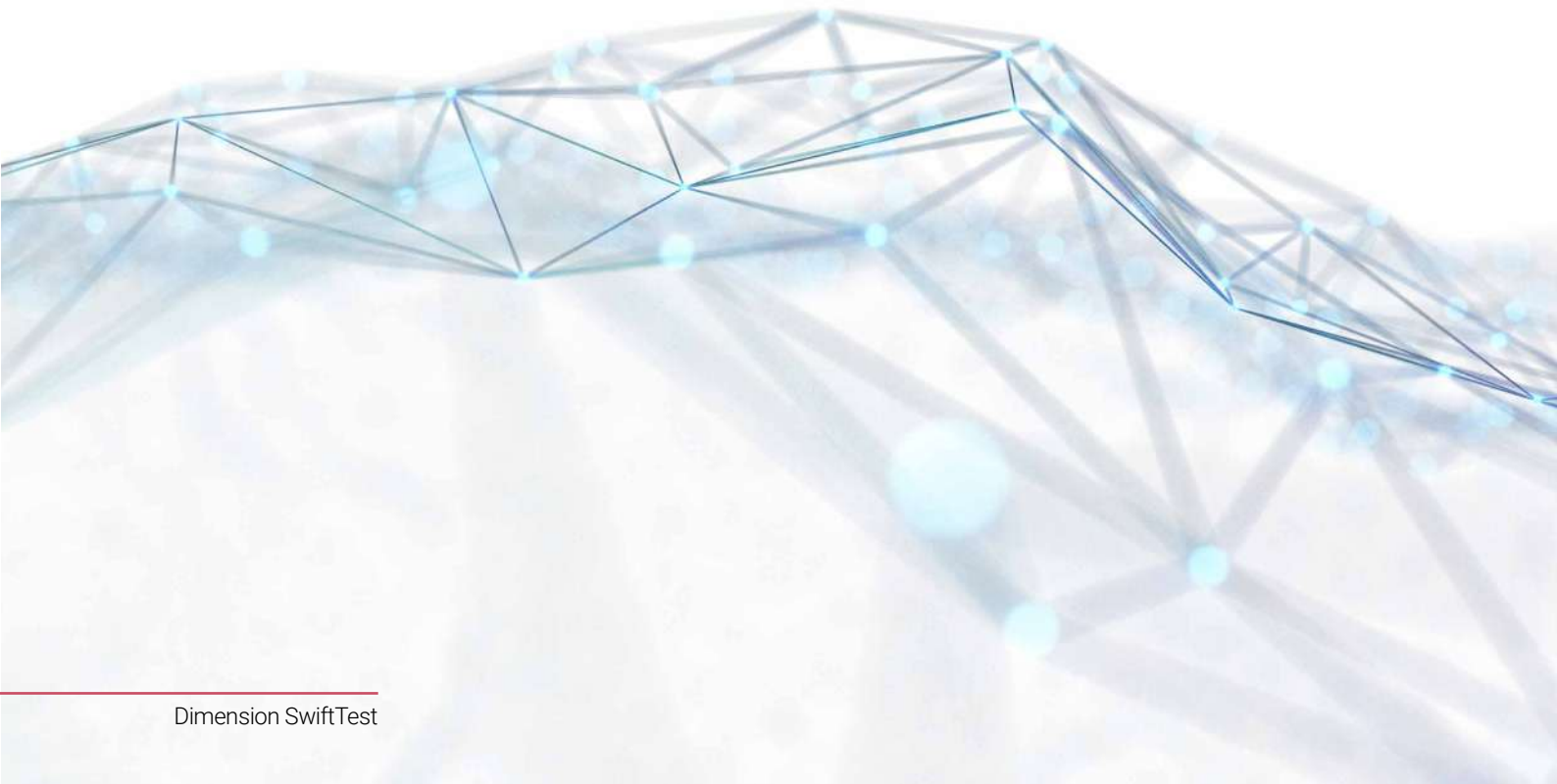


DIMENSION SWIFTEST

Functional Test Automation for Smaller, Faster, Smarter Projects

> **“Globally adopting SwifTest would cut project times in half across 350 distribution locations; enhancing productivity, enabling innovation and improving the quality of our future projects.”**

Wynand Du Toit, Senior Applications Manager,
LF Europe & LF America



MITIGATING RISK

Functional testing is a core component of software development, deployment and maintenance. For most enterprise software implementation or upgrade projects, testing accounts for almost two thirds of the overall project effort.

It's easy to see why. Enterprise solutions like Salesforce, JD Edwards EnterpriseOne or Oracle Cloud Applications are integrated throughout the organization. Any change in the system can have an unwanted or unanticipated outcome and a significant impact on dependent systems, leading to operational inefficiencies and risk to critical business processes. To eliminate these potential downstream risks it is imperative that we test.

Repetition, repetition

Functional testing is not a one-and-done proposition. Repetition is a fundamental part of quality assurance. To test the resilience of a system, or the consistency of the output, it is necessary to repeat the input multiple times.

The nature of this repetitive testing regime introduces its own risks. To guarantee the robustness of the test, you need to ensure the quality of input remains the same. If you're doing manual testing, you can't guarantee the integrity of the process, because human error is also a risk factor.

Process automation

This is where test automation comes into its own. Not only can you accelerate the pace of testing through automation, you can also improve the quality and rigor of the testing process.

Automation has been proven to ease the burden of testing by up to 70%, reducing the feedback cycle, and saving both time and internal resource. Documenting your testing process makes it endlessly repeatable, creating even greater savings over time.

Of course, the net impact is that your organization can introduce new features and functionality faster, helping to generate business-wide value.

Cloud migration

As more and more workloads are moved to the cloud, organizations are changing the way they "consume" enterprise software applications. The large, infrequent upgrade has been eschewed in favour of a process that more closely resembles a consumer model.

Updates are published on a more frequent basis, which means testing takes place on a more frequent basis. Test automation not only helps speed up the update process, it provides a greater degree of certainty for organizations moving to the cloud.

DIMENSION SWIFTEST

Test Automation for Smaller, Faster, Smarter Projects

Dimension SwifTest is a test automation solution designed with the non-technical user in mind. If you use Salesforce, JD Edwards E1 or Oracle Cloud Apps regularly in your day job, you will be able to use SwifTest with ease; without the need for any technical scripting tools.

SwifTest significantly reduces the time and effort associated with functional testing. It is the easiest way to set up and execute your testing without the need for specialist test engineers or programmers. Using Dimension SwifTest, Business Analysts and Super-Users can now take ownership of test automation.

- Developed specifically for Salesforce, JD Edwards, and Oracle Cloud Apps software
- Save up to 60% of time spent during test execution
- Save up to 70% of time spent creating and maintaining test scripts
- Quickly build your own catalogs of test scripts and scenarios
- Perform projects testing, leveraging those catalogs
- Detailed reporting on test results helps expedite project sign-off

Unique Features Of Dimension SwifTest

- Uses unique scanning technology to automate the generation of test scripts for all test scenarios
- Test scenarios are quickly and easily updated and edited, unlike with traditional record and play functionality
- Tracks the status of tests and their results
- Pinpoints all test failures with user-friendly information, so testers have everything they need to correct the issue
- Enables drill-down for more detailed analysis of test results

Accelerate and improve the quality of any software update

Dimension SwifTest™ is the only testing solution designed specifically for, and integrated with, Salesforce, JD Edwards EnterpriseOne and Oracle Cloud Applications. It has been designed to make the creation, editing, scheduling and execution of testing as simple and efficient as possible.

User community feedback told us that the primary obstacle to maintaining a code-current policy was the associated testing burden. Dimension SwifTest™ overcomes that obstacle.

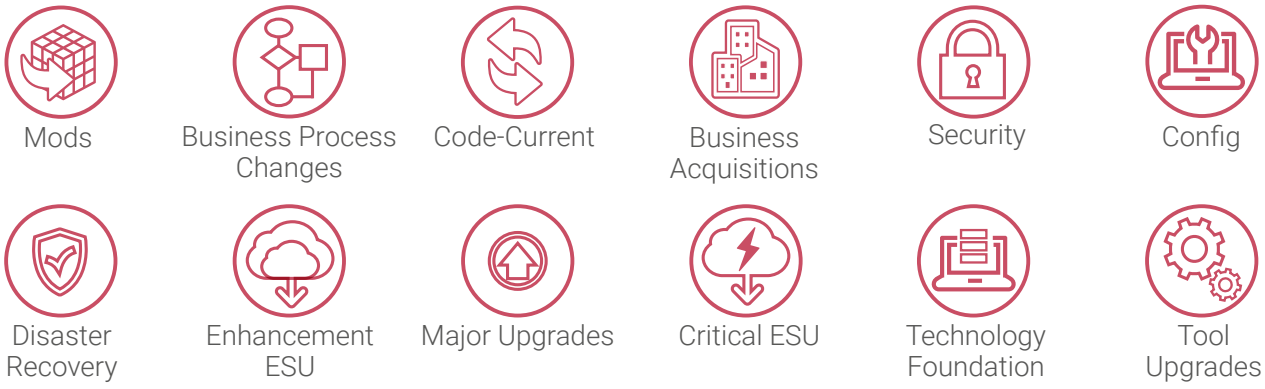
Expanding the SwifTest application portfolio

DWS has been delivering innovative enterprise software services and solutions for over 20 years. SwifTest was the first application-aware, functional test automation solution available to the JD Edwards EnterpriseOne marketplace.

Building on our experience, we developed versions of SwifTest specifically for the global Salesforce and Oracle Cloud Applications markets.

Latest features include:

- Test actions can be repeated to allow smaller, more concise tests to be created
- Datastore values can be set manually at run time
- Existing datastore values can be easily updated within the repository
- Support for drop-down and combination boxes inside grid cells
- Support for custom content
- Group actions with conditional and looping logic
- Group actions can be nested
- Support E1 Media Objects
- Generate reports in word, excel or PDF
- Date, numeric and string operations

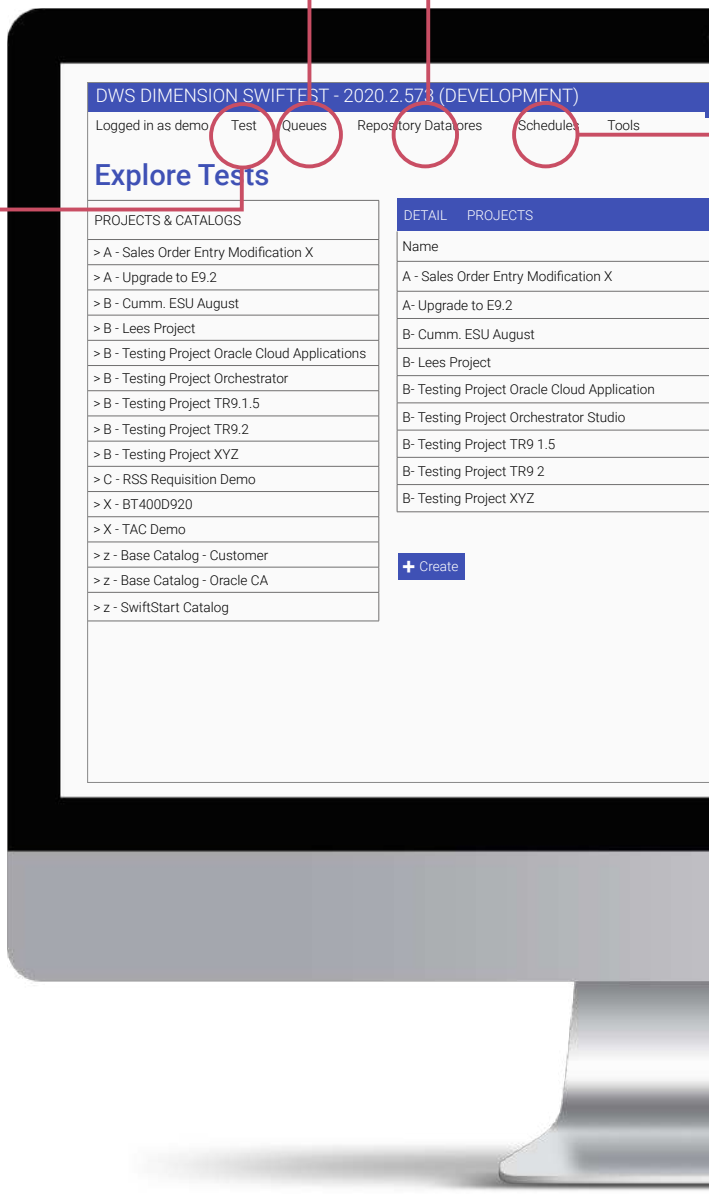


TEST YOUR SYSTEM, NOT YOUR PATIENCE

Allows you to create granular tests and then, using **Test Queue** functionality, lets you combine these to test end-to-end processes.

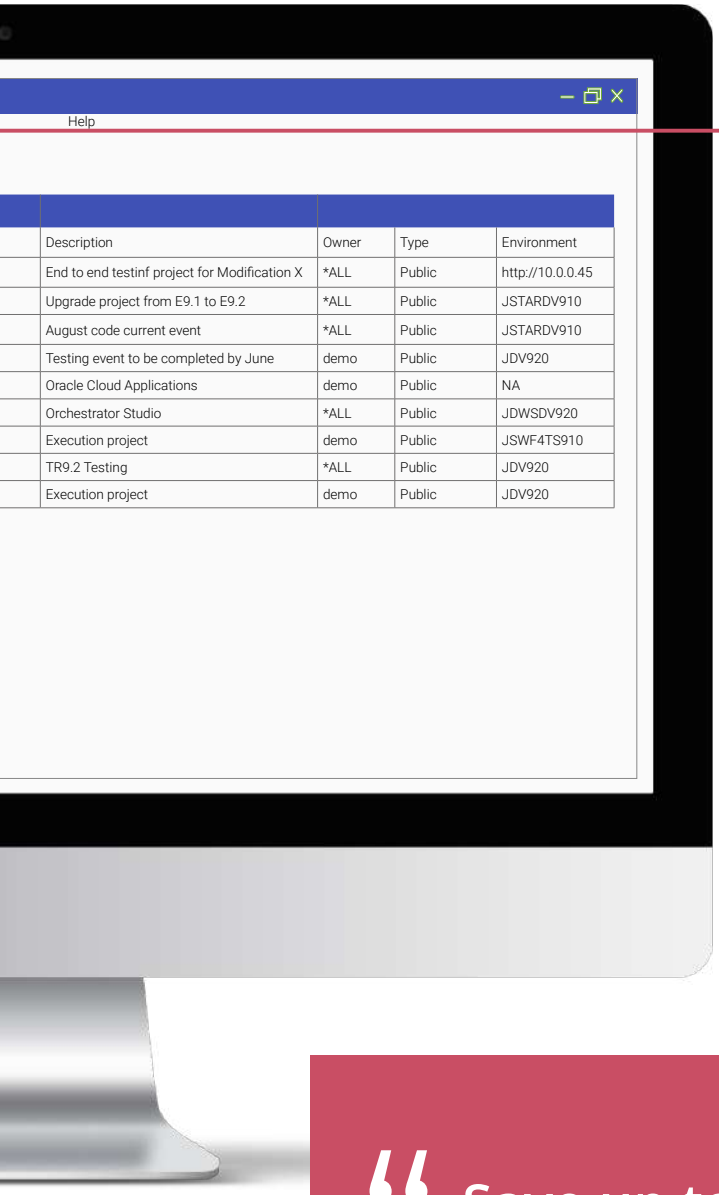
Enables **Business Analysts** and Super-Users to build and automatically execute test scripts.

Native integration eliminates the need to know Java, C++ or HTML tags.



Uses **Repository and Dynamic Datastores** to handshake between tests; enabling you to test end-to-end business processes (e.g. “Procure to Pay”) including batch jobs.

Increases productivity through soft-coding and the use of Datastores to **intelligently and automatically** run tests



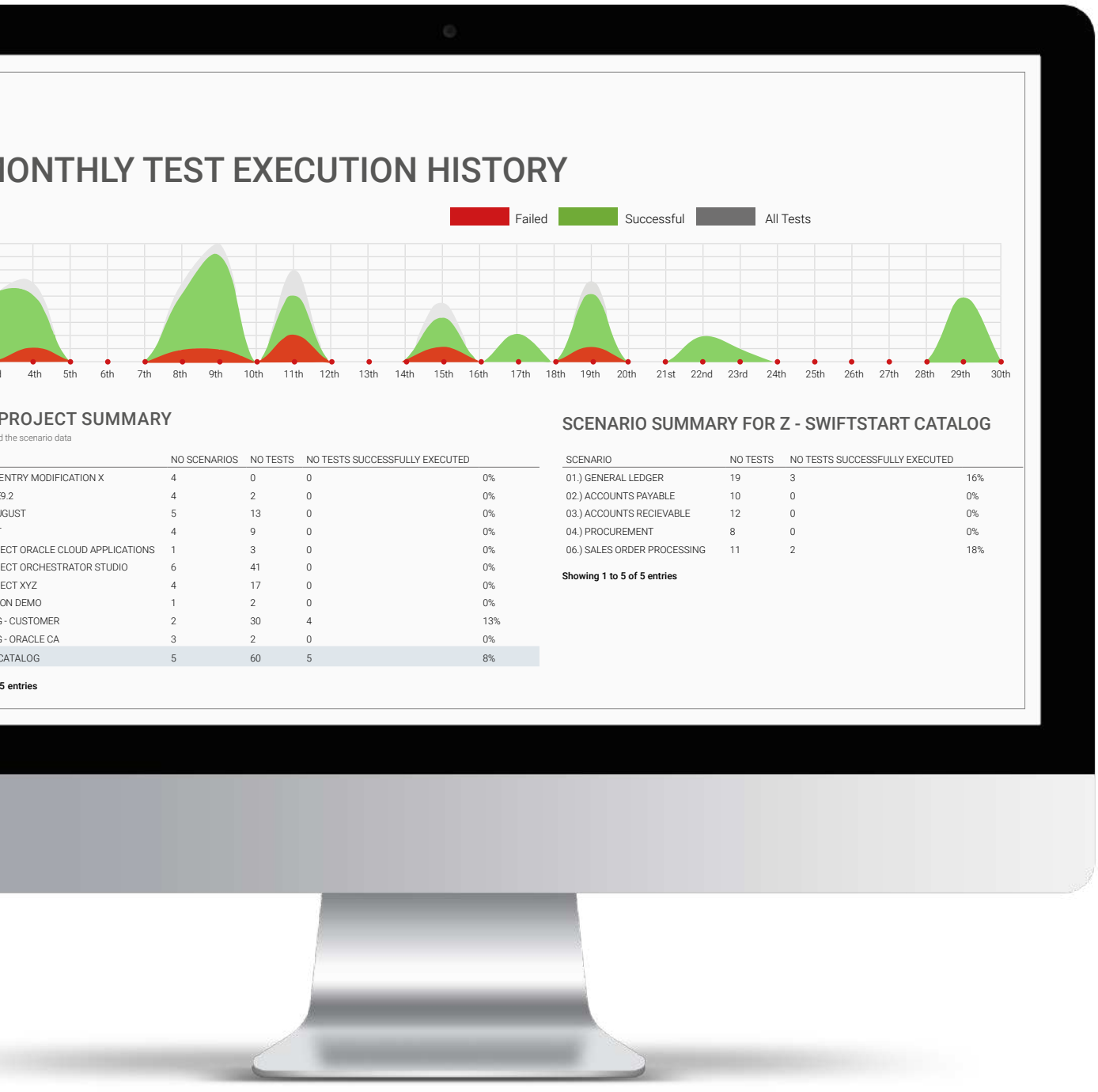
The Scheduler enables users to submit test scripts in unattended mode.

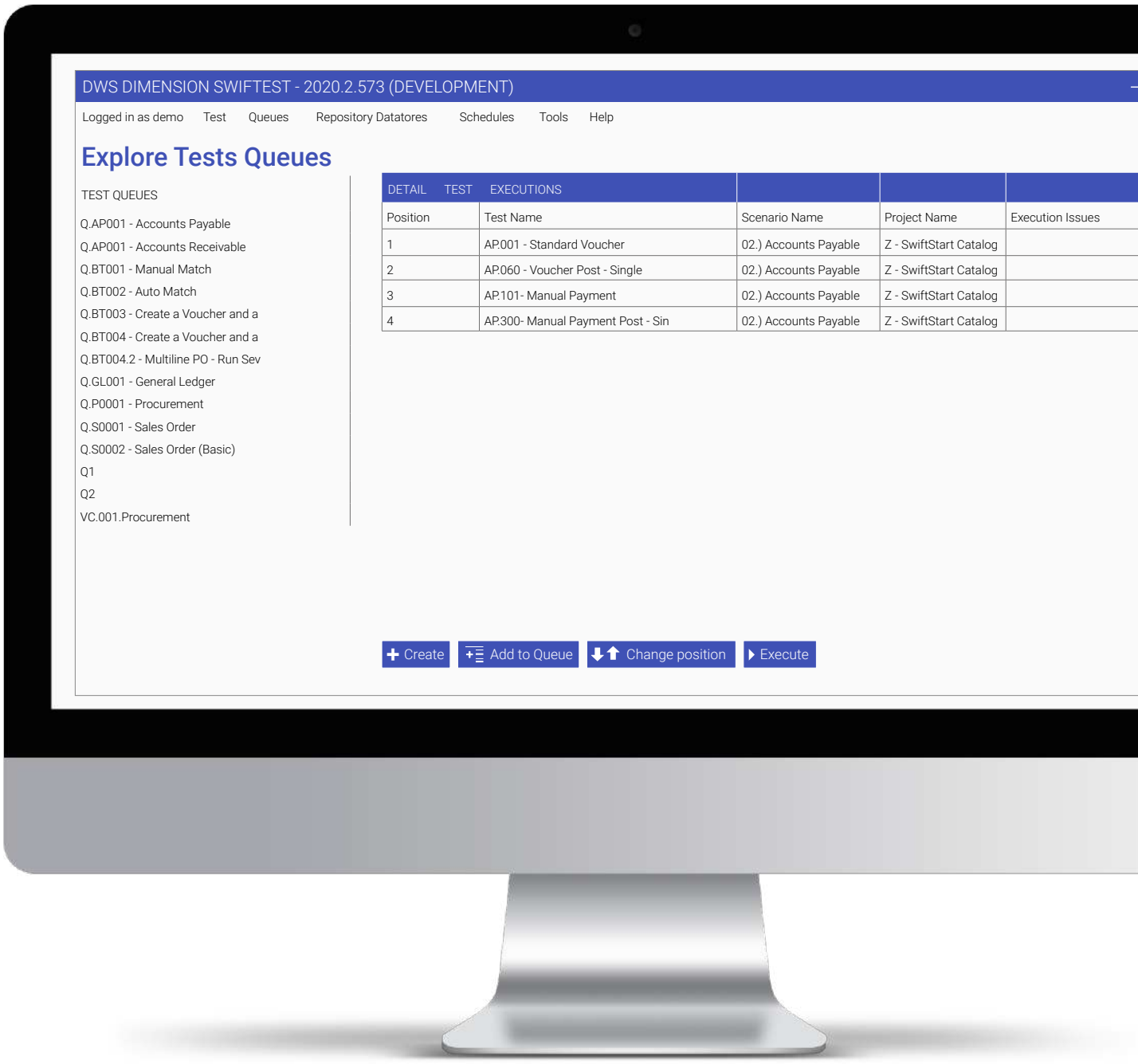
> “Save up to 70% on the time taken to create and maintain test scripts.”

SWIFTEST DASHBOARD

The SwifTest Dashboard is available from the Hub. The Test Manager or Lead Tester can use the dashboard as a one-stop overview of the testing activity being carried out. Progress and results can be viewed at the Project and Scenario levels with a single click to drill down to see further detail related to specific tests.

As the number of Projects and Test Scripts grow, this will be a regular place to visit to quickly get that overall view on your team's progress.



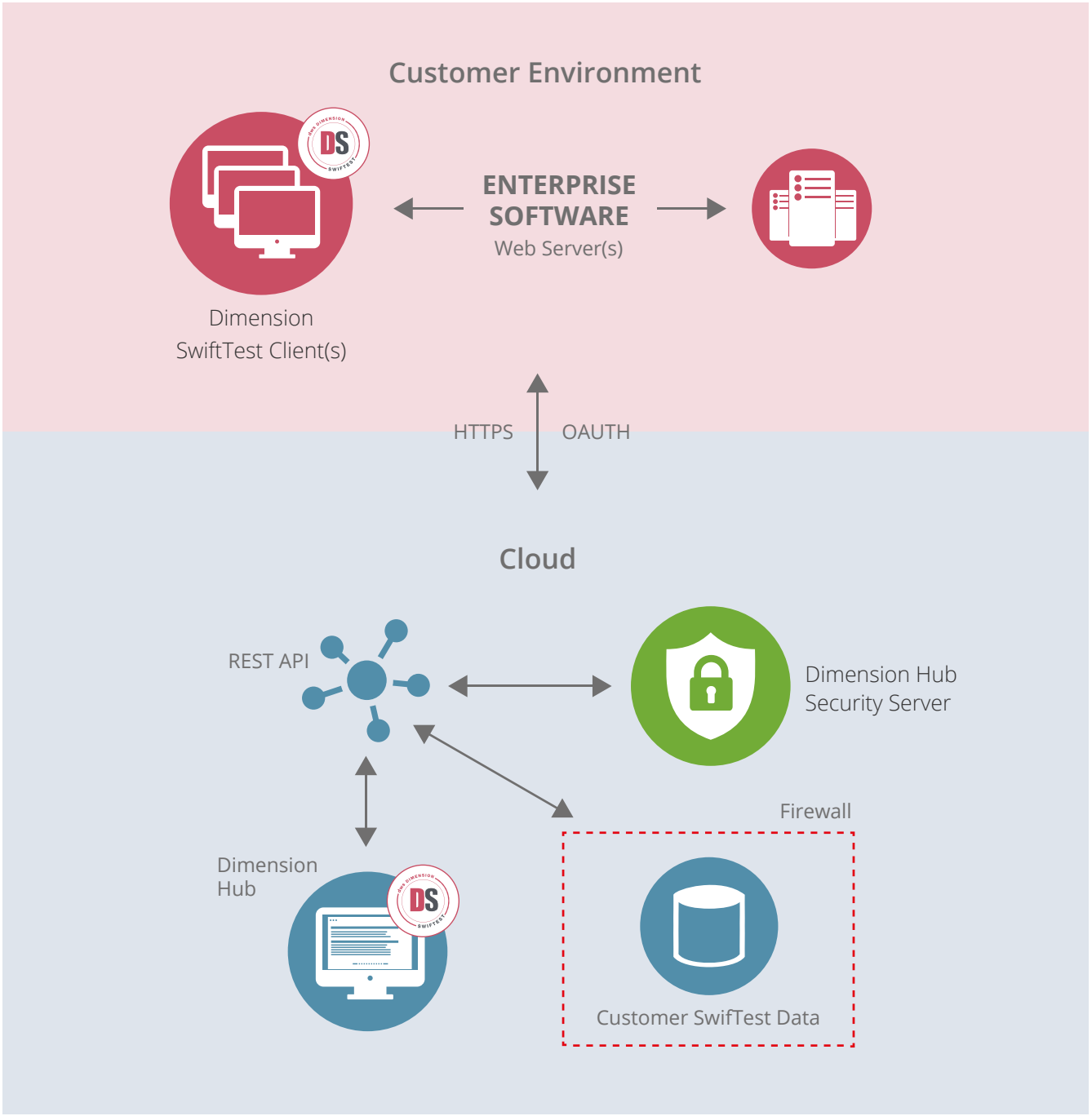


CREATING TEST SCRIPTS IS EASY WITH SWIFTEST

When we talk to prospective customers about automating the testing that they do day-to-day, when upgrading, or when running code-current change event projects, many express concerns about the amount of effort required to create all the scripts needed to reflect the way they have implemented and use heir enterprise software applications.

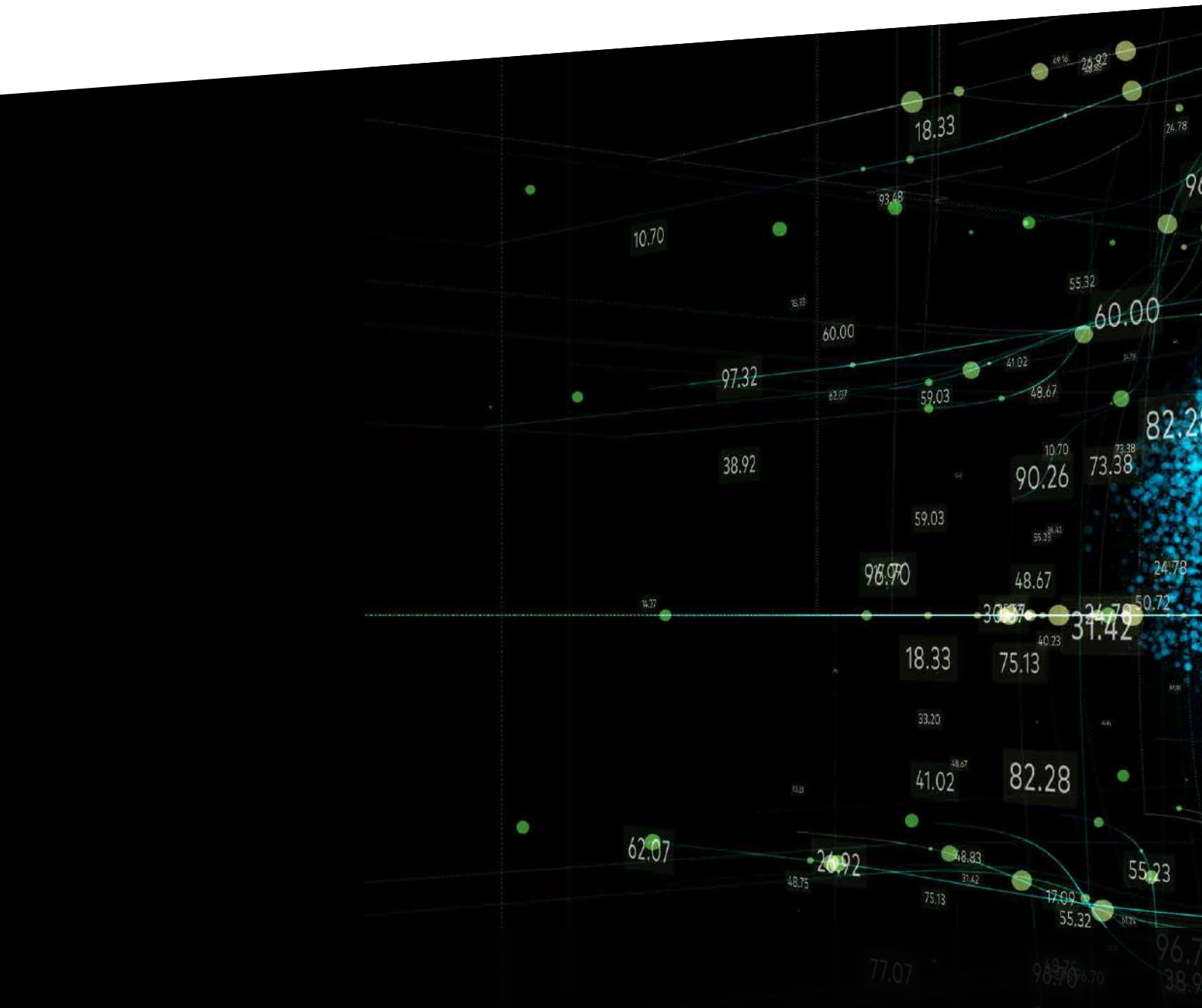
In answer to this, DWS developed SwifStart scripts to help customers kick-start the creation of their own base catalog.

ARCHITECTURE OVERVIEW



Microsoft Azure

More certifications than any other cloud provider



About DWS

DWS is a leading provider of Oracle's JD Edwards EnterpriseOne and Cloud Applications software services and products. Since 1998, we have been providing development and technical services to organizations looking to customize, integrate, extend, upgrade or support their enterprise software applications.

DWS serves a global client base with proven methodologies and an innovative range of proprietary software and services. Our solutions help drive down the TCO of your enterprise software by delivering smaller, faster, smarter projects.

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