



Granite Construction's Mission for Continuous Improvement

A DWS Client Success Story

GRANITE®



Client

Granite is a full-service general contractor, construction management firm, and construction materials producer, operating in the US, Alaska, Hawaii, and Guam. Granite specializes in both public and private sector transportation infrastructure projects including tunnels, bridges, and airports. In addition, its materials division produces vital construction materials like ready-mix and asphalt concrete.

Granite had a desire to stay code-current by implementing a Continuous Improvement process, but to execute this effectively they required a process that would enable them to take new code updates at a much faster pace and develop a better strategy for test planning.

The burden of testing was greater than it needed to be. As Granite couldn't accurately identify which elements required testing and which didn't, they tested everything. This meant more time spent on planning and managing tests, more time spent on script creation and editing, and more time spent on test execution and results analysis.



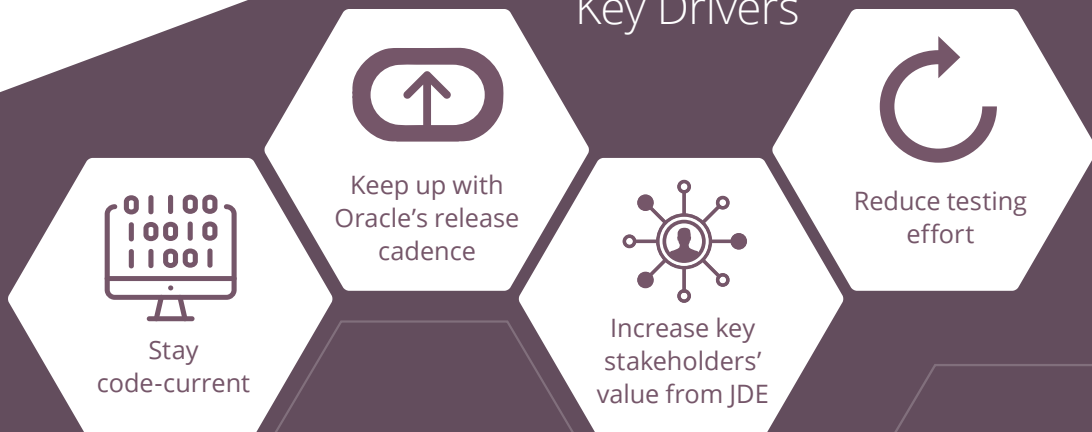
Challenge

Granite uses a large number of JD Edwards Enterprise One (JDE E1) modules across a diverse user base. In 2018, they upgraded to Release 9.2. The upgrade took 18 months to complete, and Granite noted that anywhere from 25% to 65% of the total time and effort was spent on testing.

"Respondents of the World Quality Report Survey said that more than a third (35%) of their overall IT budget was allocated to testing and QA function."

CapGemini, 2019-2020

Key Drivers





Outcomes

Granite called on DWS to launch Dimension SwifTest, the test automation solution for JD Edwards, highlighted by Oracle. This meant the introduction of a consistent, reliable test methodology, an improvement in the quality and accuracy of testing, and a reduction in the amount of testing required, thus freeing up their workforce and easing the burden of the testing phase during projects.

Native to JDE E1, SwifTest allowed Granite to take control of their testing by scheduling un-attended tests and reusing/combining tests, all while reducing the scope for errors. iLearnERP, a DWS partner, supported Granite's project team, and helped by reviewing, adjusting, uploading, and verifying ~1,000 scripts.

Granite also utilised Dimension Focus, a test planning solution from DWS. Focus was used to analyze Granite's entire E1 system to identify exactly which objects would be impacted by proposed changes, and how significantly they would be affected.



Recent tool
upgrade only took
3 weeks



Granite is now
set to stay
code-current



Implemented a
**formal release
calendar**



**Zero
downtime**





Solution

Dimension SwifTest™ significantly reduces the time and effort associated with functional testing for JD Edwards EnterpriseOne. It is the easiest way to set up and execute your testing without the need for specialist test engineers or programmers. Granite eased the burden of their testing and took the strain off of their project team. You could too!

[Discover Dimension SwifTest](#)

Furthermore, by using Dimension Focus, you can minimize wasted effort by identifying what does NOT need to be tested. Benchmarks have indicated you could save up to 85% on your testing effort and costs by using Dimension Focus.

[Launch Dimension Focus](#)



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