virtusa
Engineering First

Virtusa Accello: Assure quality, coverage, and acceleration – powered by Google Cloud

The innovation bottleneck: Why traditional testing fails

Manual testing can take up 20-40% of the overall development timeline, directly impacting your ability to deploy new services and features rapidly. Also, testing accounts for 15-30% of total software development costs, which can significantly elevate operational costs and resources. Traditional testing doesn't always catch bugs and avoid preventable failures, eroding customer trust and increasing churn.

Test Engineering isn't just keeping pace with the future of software; it's accelerating it. Accello, Virtusa's AI-native quality engineering platform, is built to accelerate software testing with meticulous accuracy and adaptability. By leveraging the power of Google Cloud's AI models, Vertex AI, and a robust cloud-native architecture, Accello transforms the entire QA lifecycle from a labor-intensive workflow to a proactive, intelligent system.

Accello combines agentic test engineering with Google's cutting-edge AI to empower our clients with:

- Autonomous agents to make independent decisions and drive test case creation, bug triaging, automation, and auto-healing.

- Test case generation based on code analysis, which automatically executes tests and identifies issues faster and more accurately.

- Robust human-in-the-loop protocols to handle routine tasks with AI so teams can focus on complex, high-value tasks.

- Advanced Gemini models to optimize agentic workflows via Vertex AI, enabling a single, end to end platform for secure and reliable development, testing, deployment, and monitoring.

Capabilities

From autonomous decision-making to self-learning, adapting, and healing, Accello's capabilities reimagine test engineering to elevate autonomous and intelligent testing, improve efficiency and speed, and seamlessly incorporate human-in-the-loop governance to streamline routine tasks.

Our success stories

Accello has delivered real-world results for major tech, financial, life insurance, and media companies:

- A leading US life insurer auto-generated **93%** of sprint-wise test coverage.
- A tech giant reduced **80%** in manual defect triaging with over 90% accuracy.
- A major media firm reduced **95%** of manual efforts in analyzing test failures.
- A leading Canadian bank covered **70%** of all requirements with a human-in-the-loop process.

Ready to transform your QA? Let's discuss how Accello on Google Cloud can help you move from a bottleneck to a competitive advantage. Email us at **marketing@virtusa.com**

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