

How GENI Works

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GENI is not a single AI model — it is a stack of AI technologies working together. According to Appvance, GENI leverages **Appvance’s patented AIQ Digital Twin, multiple specially tuned transformer models**, and a **proprietary code generator**.

Blueprint Designer (AI 3.0) overview

The AI Script Generation / Blueprint Designer UI introduced in AIQ 5.0.

The GENI process

1. A business analyst writes **step-by-step test cases in plain English** — the same way manual testers document them.
2. GENI’s transformer models understand the **natural language, page layouts, and visual cues** in those steps.
3. The steps are compared against the **AIQ Digital Twin** — an offline, AI-built model of the application.
4. A proprietary code generator produces **executable test scripts** — in bulk, hundreds of test cases at a time.

What is the AIQ Digital Twin?

The Digital Twin is created by **AI Script Generation (AISG)**: AIQ’s AI explores the application like a user would, discovers pages and states, and asks for input (for example via CSV data sets) to dig deeper. The result — previously called a “Blueprint” — is saved as a `.abp` file. Because of GENI, this is no longer a mere map of the app: it is a **true Digital Twin**.

Did you know? AISG itself is powered by some **twenty underlying AI models** that together generate actual test scripts after a single training session with a QA engineer.

Data privacy

- GENI models are **private and fixed** — they do **not** learn from your application or data.
- No data is shared between clients, and no PII is stored.
- All models run on a **GPU-centric AI server**, with on-prem and cloud deployment options.
- AISG self-healing ML learns each time a script runs, but only to build accessor data for *your* application.

Source: [AIQ AI and Data Privacy \(docs.appvance.net\)](https://docs.appvance.net)

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