Problem

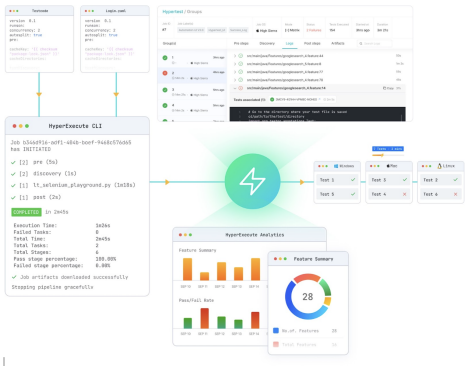
One of the biggest challenges developers and testers face is the speed of test execution and the lack of smart test orchestration. But, so far, customers had only two options—depend on traditional cloud-based grids that haven't really innovated to suit present demands or build their own in-house infrastructure.

Existing automation testing platforms are inherently slow because of lots of network hops that happen during each test— triggered test scenarios are first sent to the automation hub, which in turn are scheduled to run on the best-suited automation node— resulting in unnecessary latency. Also, multiple network hops with separated components result in increased test flakiness.

On the other hand, local setups don't have the smart features that can be offered on the cloud. It has always been a trade-off for customers.

Solution

HyperExecute is a next-gen smart test orchestration platform that helps testers and developers run end-to-end automation tests at the fastest speed possible. It is faster than traditional automation (Selenium, Playwright, and others) grid clouds, thereby enabling businesses to achieve quicker time-to-market.



HyperExecute vs Traditional Cloud Grids

	Orchestrated Scale	Network Efficiency	Flaky Tests	Smart Orchestration /Debugging	Debugging & Insights
HyperExecute	Merges all the components into a single execution environment, thereby ensuring all the components 'talk' to each other just like they do in a local network.	Achieves in-house-like performance on the cloud! Developers and testers also have the flexibility of enabling smart testing features that can ensure lesser work and as a result, achieve a quicker time to market.	Fastest cloud-based test execution and orchestration platform with zero flakiness.	HyperExecute orchestrates tests with intelligent test auto-splitting, smart ordering, and retries.	HyperExecute has a single automation dashboard view with both terminal logs of test commands and complete test execution logs.
Traditional Grids	Triggered test scenarios are first sent to the Hub, which in turn routes it to the best-suited Node, resulting in unnecessary lag.	Multiple network hops increase test flakiness, leading to drastically slow time-to-market.	Traditional grids are slow, brittle, expensive, and flaky.	Debugging is a nightmare. Testers/developers have to do all the heavy lifting to decide what and how to run tests.	Legacy test clouds are an ETL nightmare.

Key Features

- Up to 70% faster than any cloud-based test execution grid.
- Gives a single automation dashboard view with both terminal logs of test commands and complete test execution logs.
- Comes with feature-packed hosted runners for every major OS including Windows, macOS, and Linux containers.
- Intelligent test auto-splitting, smart ordering, and retries, thereby cutting down developer feedback time drastically.
- All test execution data is available in a single place, helping teams analyze the quality of their builds on a single platform through automatic reports.
- Run tests in parallel at a massive scale.
- Run the same test across multiple browser environments at scale via matrix-based multiplexing resulting in reduced test creation times.

Benefits for Microsoft customers and partners

- HyperExecute enables MACC customers to retire their Azure commitment.
- Super easy to manage as HyperExecute is built on Azure.

Get it from Microsoft Azure Marketplace

Product Integrations

and 120+ other integrations..

Our Customers

Microsoft | Israel R&D Center · DASHLANE · Honeywell · eGifter

and many more.

Flexible deployment options

- SaaS/Multi-tenant
- Dedicated Cloud resources/Single-tenant
- On premise i.e, on your local cloud infrastructure or server