

HCL OneTest Virtualization

VIRTUALIZING MIDDLE-TIER AND BACK-END APPLICATIONS

During the testing process, delivery is often challenged by the fact that different development teams move at different velocities. For example, a mobile team might be able to release reliably every day. However, a middleware team might release on a weekly basis, and a mainframe team may need a month or more to make a release.

This problem could create a bottleneck if the goal is continuous delivery, even with automated testing.

HCL OneTest Virtualization simulates missing system components to enable faster development and testing. It listens for network traffic in the same fashion as the real service, allowing development and testing activities to continue when the real service is unavailable.

Additionally, it checks for incoming messages, processes those messages, and responds according to the behavior described.

HCL OneTest Virtualization can be deployed without having to reconfigure the original environment – saving time and avoiding errors.

Capabilities



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Provides a Wide Variety of Protocol and Message Format Support

Mixes and matches all formats as needed



Supports Virtualizing Systems

Removes the need to reconfigure environments when adding or removing virtual services



Generates Accelerators for Understanding the System Under Test

Observes system traffic or extracts information held within systems



Provides Sift and Pass-through Capabilities

Handles specified scenarios with virtual services, while allowing other scenarios to use the live system



Creates Performance Profiles

Uses APM data to provide more realistic response times in virtual services



Features Multiple Construction Options

Allows creation of virtual services via simple record and playback, data driven, ECMA Script, and/or complex data models.

Benefits



Reduces Dependencies

Teams work simultaneously, while reducing internal and external dependencies



Improves Quality

Enables teams to start testing earlier to find problems sooner



Reduces Cost

Reduces infrastructure costs and operating expenses



Reduces Time to Market

Teams work in parallel to increase productivity

