



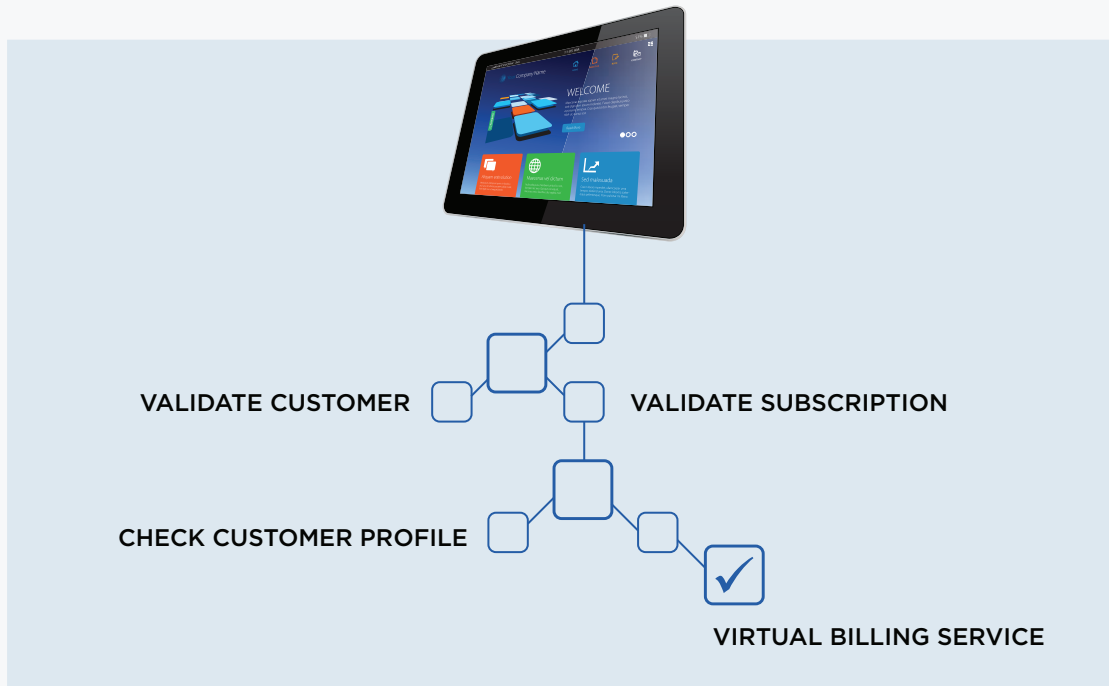
# HCL OneTest **Virtualization**

Virtualize middle-tier and back-end applications and services

## OVERVIEW







During the testing process, delivery is challenged by the fact that different development teams move at different velocities. For example, the mobile team might be able to release reliably every day, where middleware teams might release on a weekly basis, and mainframe teams need a month or longer to make a release. In this situation, the mobile team will often be ready to test their UI today, against middleware components that won't be ready until tomorrow, and mainframe components that won't be ready for another month! This problem can create a bottleneck if the goal is continuous delivery, even with automated testing.

HCL OneTest Virtualization virtualizes missing components of the system 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. It checks for incoming messages, processes those messages, and responds according to the behavior described. OneTest Virtualization can be deployed without having to reconfigure the original environment - saving time and avoiding errors.



Introducing a virtual service to take the place of the unavailable service allows you to carry on with development and testing without disruption.

## CAPABILITIES

 <p><b>WIDE VARIETY OF PROTOCOL AND MESSAGE FORMAT SUPPORT</b></p>	 <p><b>SUPPORT FOR VIRTUALIZING SYSTEMS</b></p>	 <p><b>ACCELERATORS FOR UNDERSTANDING THE SYSTEM UNDER TEST</b></p>
<p>Protocols and message formats can be mixed and matched as required</p>	<p>No need to reconfigure environments when adding or removing virtual services</p>	<p>Observe system traffic or extract information held within the system</p>
 <p><b>SIFT AND PASS THROUGH</b></p>	 <p><b>PERFORMANCE PROFILES</b></p>	 <p><b>MULTIPLE CONSTRUCTION OPTIONS</b></p>
<p>Handle specified scenarios with virtual services, while allowing other scenarios to use the live system</p>	<p>Virtual services can use APM data to provide more realistic response times</p>	<p>Virtual services can be created through simple record and playback, data driving, ECMAScript, or complex data models</p>

## BENEFITS

 <p><b>REDUCE DEPENDENCIES</b></p>	 <p><b>IMPROVE QUALITY</b></p>	 <p><b>REDUCE COST</b></p>	 <p><b>REDUCE TIME TO MARKET</b></p>
<p>Reduce internal and external dependencies and allow teams to work simultaneously</p>	<p>Test early and reduce risks and address issues early with deeper control over the environment</p>	<p>Reduce infrastructure costs and operating expenses</p>	<p>Teams can work in parallel to increase productivity</p>

HCL OneTest Virtualization is part of the wider HCL OneTest Studio, providing additional functionality.

- **HCL OneTest UI:** Create functional tests for packaged applications, web UIs, or mobile apps
- **HCL OneTest Performance:** Identify and manage the risk of application performance failures
- **HCL OneTest API:** Trigger and validate a system's APIs across a range of network protocols and message formats

For more information, please contact us at [products-info@hcl.com](mailto:products-info@hcl.com)