HCLSoftware

DevOps Solutions for System Z

Optimize, modernize, and enable innovation with IBM mainframe investments

HCL DevOps

Introduction

HCL Software offers Mainframe zOS products with unparalleled features and functionalities your team members can leverage to support DevOps projects.

Agile and DevOps Implementation for Mainframe Apps

Identify tools and processes for DevOps implementation for Mainframe applications

Enable transparency and traceability for the applications

Enable release and deployment automation

Enable automated testing to improve release cycle

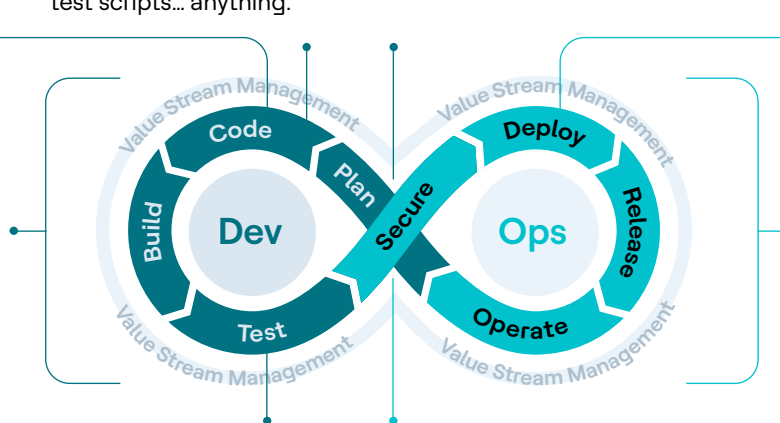## The HCL Software Secure DevOps Portfolio

HCL DevOps Model RealTime
Eclipse-based modeling and development environment
Create stateful, event-driven and real-time applications

HCL DevOps Code ClearCase
Secure and manage development assets
Source code, schematics, designs, documentation, test scripts… anything.

HCL DevOps Plan
Change and issue management with custom workflow automation
Agile Boards, Work Item Management, approvals, notifications, tracking, workflow… Fully customizable

HCL DevOps Deploy
Deploy anything, anywhere
Continuously Deliver better quality applications, faster than ever before

HCL DevOps Velocity
Maximize your DevOps investment with Value Stream Management
Make work visible, exploit bottlenecks, and improve DevOps flow across the organization

Compose with your existing environment
An investment with HCL Software DevOps doesn't mean you have to replace the tools and platforms your team knows and loves – instead, we help you maximize and leverage the tools you already have, like Jira, Jenkins, Git and Kubernetes.

HCL DevOps
Secure, Data-Driven Business Agility

HCL DevOps Test
Deliver quality with enterprise test automation
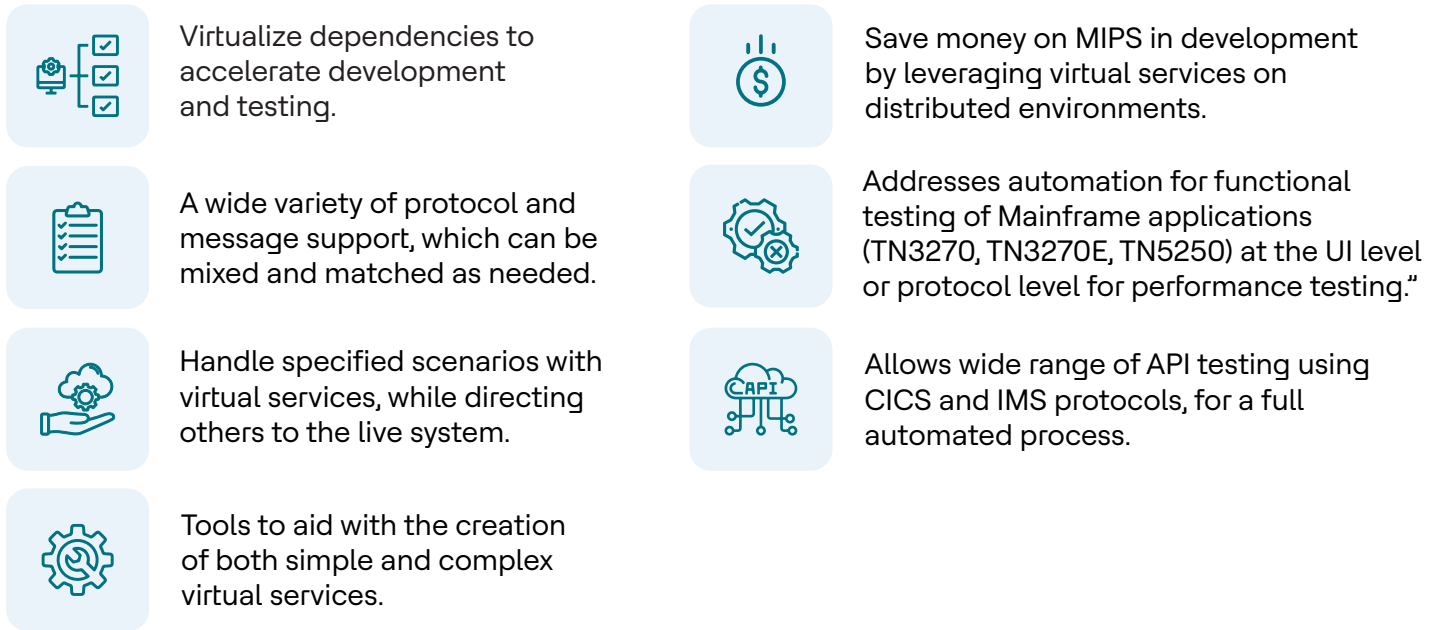UI, API, embedded and performance testing, with service virtualization and test data fabrication

HCL AppScan
Rapidly identify, understand and remediate security vulnerabilities
identify, understand and remediate vulnerabilities, and achieve regulatory compliance

(Infinity loop diagram: Dev — Code, Build, Plan, Test, Secure; Ops — Deploy, Release, Operate; surrounded by Value Stream Management)

Jira · GitHub · Azure DevOps · Jenkins · aws · kubernetes · Google Cloud

HCL DevOps Test and Mainframe Solutions

HCL DevOps Test supports UI testing, performance testing, API testing, synthetic data generation and service virtualization throughout project lifecycles. HCL DevOps Test UI provides automated testing of desktop, mainframe, mobile, and responsive HTML 5-based web applications.

Take automation all the way from mainframe terminals with 3270 interfaces, through .NET and Java-based, thick client applications, through any web application in browsers, and to mobile Android and iOS native applications.
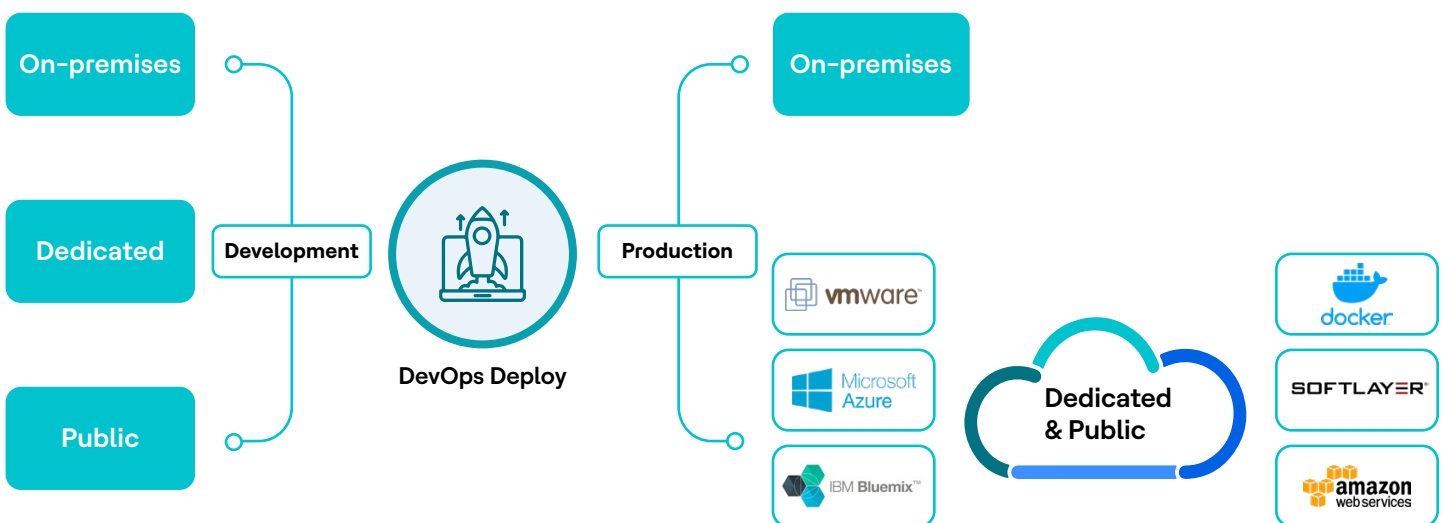
DevOps Test Capabitlities

Virtualize dependencies to accelerate development and testing.

Save money on MIPS in development by leveraging virtual services on distributed environments.

A wide variety of protocol and message support, which can be mixed and matched as needed.

Addresses automation for functional testing of Mainframe applications (TN3270, TN3270E, TN5250) at the UI level or protocol level for performance testing."

Handle specified scenarios with virtual services, while directing others to the live system.

Allows wide range of API testing using CICS and IMS protocols, for a full automated process.

Tools to aid with the creation of both simple and complex virtual services.

HCL DevOps Deploy

HCL DevOps Deploy introduces a sophisticated application deployment automation solution that orchestrates the rollout of software updates across diverse platforms and empowers organizations with the ability to seamlessly conduct not only traditional software elements but also mainframe-specific artifacts such as COBOL programs, JCL jobs and datasets among other artifacts.

By integrating mainframe automation languages like REXX, HCL DevOps Deploy provides a more seamless transition for seasoned zOS professionals, allowing them to effortlessly adapt to its functionalities. It harmonizes with the intricacies of traditional practices in the mainframe ecosystem by accommodating the incremental deployment methodologies.

On-premises

On-premises

Dedicated

Development

DevOps Deploy

Production

vmware

Microsoft Azure

IBM Bluemix

Dedicated & Public

docker

SOFTLAYER

amazon web services

Public

Deploy Anything; From Anywhere, To Anywhere

DevOps Deploy hybrid applications with HCL DevOps Deploy

01
On-premise, Public Cloud & Private Cloud platforms

02
Manage all hybrid application components including traditional apps and full stack containers

03
Development to Test to Production Environments

04
Full governance for tracking and control

05
Lift & Shift automation including moving legacy WAS applications and configuration to Cloud

06
Kubernetes container orchestration for cloud native microservices

DevOps Deploy Capabilities

Simplifies and facilitates mainframe deployments by offering built-in features for z/OS and Linux on z environments, including artifact repository and specialized artifact search capabilities

Offers versatile mainframe deployment support, encompassing Full Deploy, Delta Deploy, Inventory, and Run Time

Offers an array of extended plugins and integrations, including DB2 for z/OS, WAS for z/OS, CICS, MQ, IMS, z/OSMF, RTC SCM, GIT/DBB, and various others

Manages all hybrid application components including traditional apps and full stack containers

Provides full governance for tracking and control

For more information, please visit our website: **HCL Software Mainframe Solutions.**

HCLSoftware

Fueling the Digital+ Economy

Learn more