

# Enable Secure IT Transformation



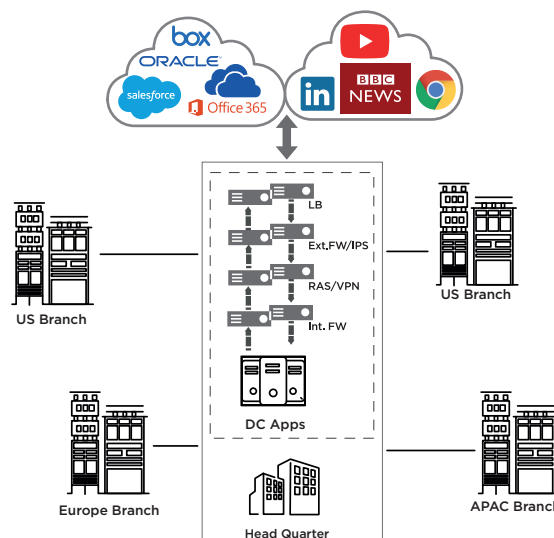
The transformation of IT with the rapid migration of apps and services to the cloud has changed the usual ways of connecting, computing, and doing business. Many large enterprises are now turning to the software-defined wide-area network (SD-WAN) to streamline operations and reduce transmission costs, especially for those organizations with hundreds or thousands of branch offices using expensive MPLS connections. Issues related to securing these internet breakouts with traditional solutions, however, outweighs SD-WAN benefits, a good reason to let cloud solve this challenge.

To secure the local internet breakouts, organizations also consider replicating the HQ internet gateway security stack at every location. This brings in challenges related to the cost of purchasing, configuring, managing, and maintaining such a complex branch deployment. To save cost, organizations compromise on security by deploying smaller firewall and UTM appliances, with less than optimal security and access control, at branch locations. Going with legacy network architecture leads to the following challenges:

## Challenges



- Latency created in accessing the internet or cloud applications when traffic is backhauled from multiple branches/ remote locations through the hub-and-spoke architecture.
- Backhauling all the traffic across MPLS can be expensive.
- Cost of buying, deploying, and managing security appliances for every branch location, offsets any potential savings in MPLS optimization.
- Implementation and management of security appliances in each branch/ location are costly and time consuming. Additionally, such appliances cannot cater to the modern cloud application requirements.
- The cost and complexity associated with maintenance of a secure internet gateway at every branch are reasons enough for organizations to compromise on the security front and deploy just URL filtering, leaving those branches vulnerable.



Traditional Hub-and-Spoke architecture

# HCL Approach/ Solution



HCL has partnered with one of the leading vendors, Zscaler, to enable its customers to shift from a traditional hub-and-spoke architecture to an agile and direct-to-internet architecture by providing the entire gateway security stack as a cloud delivered service. Before providing access to any application on cloud, users from corporate branches or remote locations will first be routed to the secure internet gateway on cloud provided by HCL for complete inspection of the traffic, even within SSL.

HCL recommends complete IT transformation in three simple steps:

## 1 Secure

Upgrade of Security by making cloud soln next hop to internet without any infrastructure changes



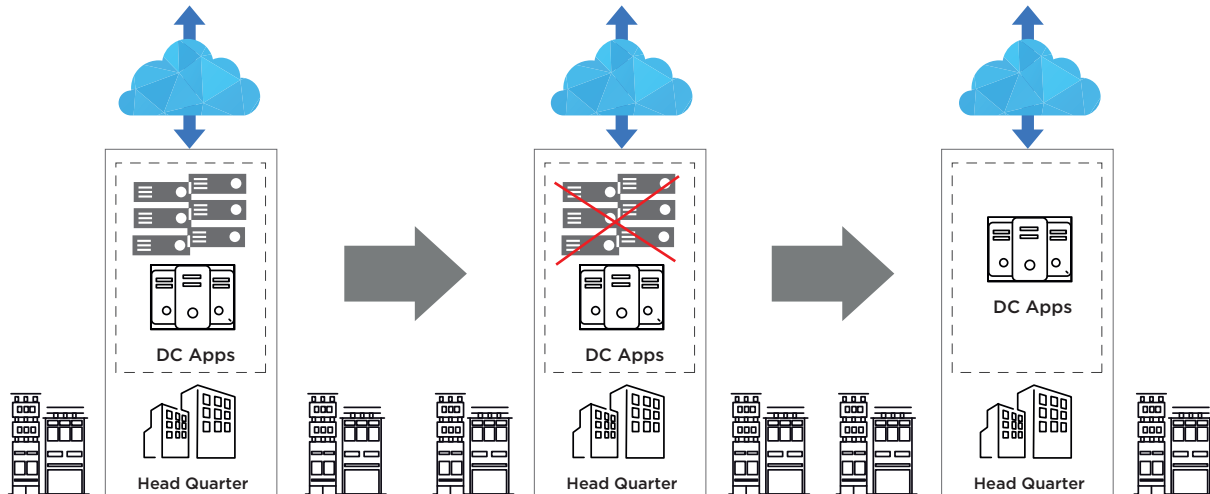
## 2 Simplify

Removal of point solutions leading to device and overhead costs



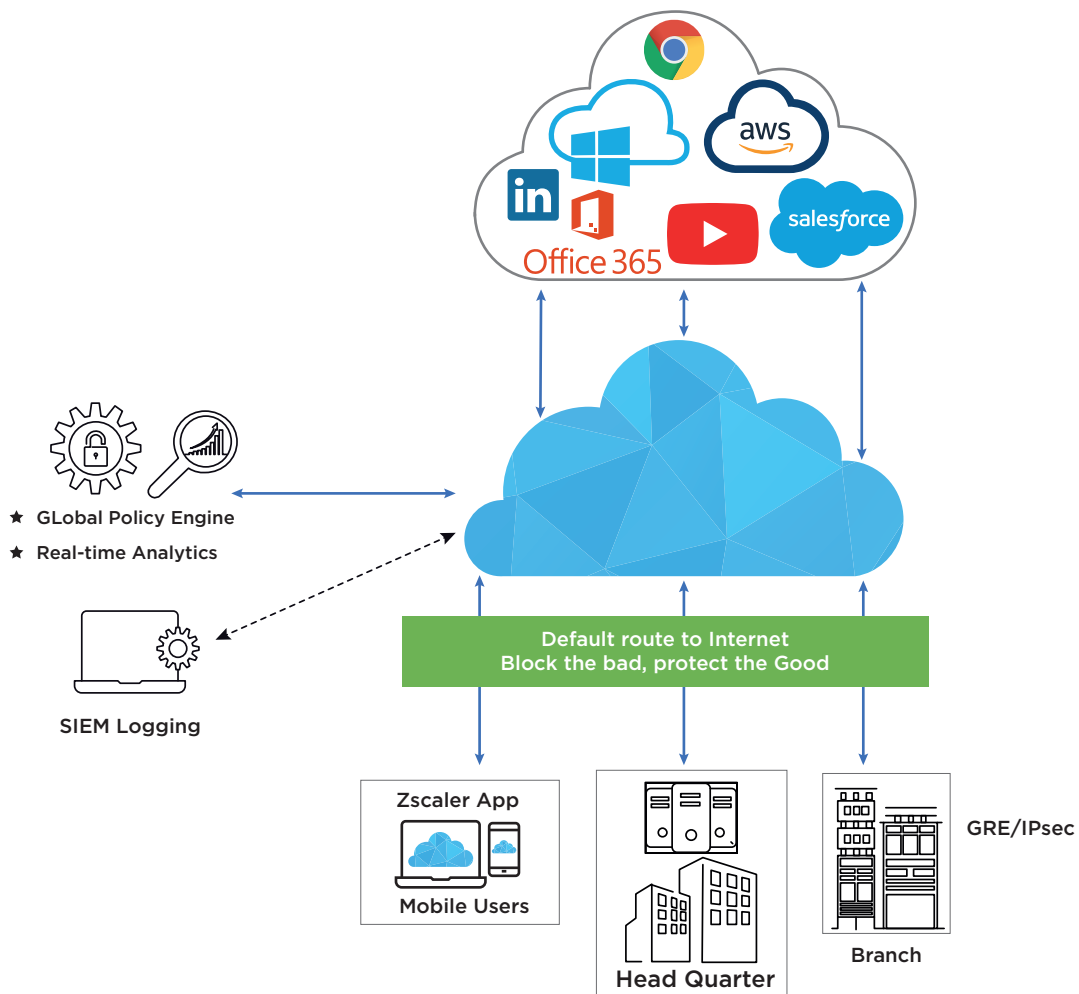
## 3 Transform

Provision local breakouts for internet traffic to deliver a better and more secure user experience



The solution sits between users (branch/ remote location) and the internet and secures them by providing the following functionalities:

- **Access Control** via Cloud Firewall, URL filtering, bandwidth control, and DNS filtering
- **Threat Prevention** via ATP, Cloud Sandbox, Anti-Virus, and DNS security
- **Data protection** via DLP, CASB for cloud applications, and File type control



## Solution Features

### Zscaler Internet Access

- Eliminates branch security appliances thereby reducing cost for both appliances and operations
- Being a cloud security, its multi-tenant which is unmatched as compared to legacy device-based solution
- Enables native SSL inspection at scale without any performance impact
- Enables policies to be created centrally and pushed to multiple branches immediately, without any additional overhead

### HCL Managed Services

- Quick and seamless migration to cloud data protection
- Real-time visibility into applications, user activity, data protection and threats across all locations
- Transaction logs are streamed to HCL SIEM platform for further security analytics and access control zero-day threats
- Granular visibility into threat landscape and policy enforcement

## Benefits of HCL Recommended Approach



- Real-time malware & APT protection, ensuring threats are prevented before entering the customer's network
- Direct-to-internet architecture provides faster user experience
- Reduction in CAPEX with the elimination of buying and maintaining security devices
- Granular application controls, stops data exfiltration attempts from infected devices, including Internet-connected devices
- Granular, dynamic reporting for visibility into internet usage and user behaviours

## Client Success Story



A leading Biotech and Pharma company with an employee base of 7000 and services being provided from 69 countries.

CUSTOMER CHALLENGE	HCL SOLUTION	BENEFITS
<ul style="list-style-type: none"><li>• 200+ network security devices needed upgrade</li><li>• Branch firewalls too small to cater to increasing application-user access</li><li>• Few small branches didn't have proper security controls in place</li><li>• Security policies implementation in the complete infrastructure was a tedious task</li></ul>	<ul style="list-style-type: none"><li>• Cloud based internet access gateway solution to enable secure local internet breakouts for branch users as well as mobile users</li><li>• Protection of network traffic/ endpoints against threats arising from web, viz, malware, data leaks, etc.</li><li>• All branches were provisioned with same security stack</li></ul>	<ul style="list-style-type: none"><li>• New device purchase cost was avoided. Existing appliance cost reduced by 35%</li><li>• IT Operational cost reduced by 40%</li><li>• Better user experience</li><li>• Provisioning of next-generation security for all users, across all locations</li><li>• SOC administration made easy</li><li>• Visibility into network threat increased</li></ul>

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