



Pervasive Organizational Challenges

A myriad of IT and User Experience Maladies



HCL Cloud Workspace

Unmatched Virtual Desktop and Application Experience on Azure



SIMPLE

Turnkey solution with centralized management, seamless support and no-sweat usage



SCALABLE

On-demand scaling up and down of compute, memory and storage resources



ECONOMICAL

Reutilization of existing licenses and a consumption-aligned pay-out model



ADAPTABLE

Safe and assured access to users with high level of control



RELIABLE

High availability and failover protection

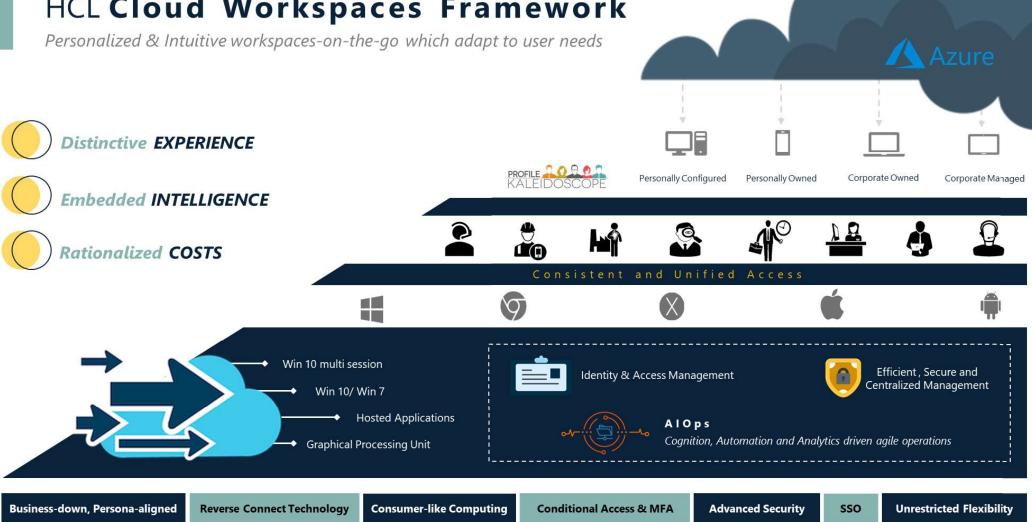
flexible, secure and **Digital Workspace** on the

Delivered leveraging cloud-optimized technology



M-M - M







HICL



Distinctive **Experience**

Ameliorate End-User Experience and bolster Productivity

Quantify User Experience with **UX Score**



- Experience Monitoring
 - Realtime & Historical Analysis of workplace performance
- Auto-remediation of issues
- Correlation models for predictive support

Self-Service Portal



Tailor-made User Portal

- Self-Provisioning of VMs
- On-demand VDI (new/ upgraded configuration)
- Ready to use Virtual Applications

Seamless Device Mapping

- Eliminate workarounds by removing folder redirection/ network-share based workgrounds
- Unified application masking with a single tool





Effortless Virtual App Delivery

On-demand application delivery using application layering technology

- Session isolation
- Contextual delivery of approved apps for users



Cut above Performance

- Better and consistent performance of Office applications
 - Superior email client performance
 - Seamless OneDrive for business synchronization
- Accelerated user load times



Simplified Management

Swift deployment, centralized management and optimization technology to manage WVD workloads

Deliver the only multi-session Windows 10 experience







Embedded Intelligence

Attain Unprecedented Insights to deliver Superior Workspaces



Glean meaningful information and actionable insights to defer recurring & widespread IT issues

Sensors

Pattern Discovery

Causality

Resolution

Self-Service

HCL's cognitive virtual assistant : LUCY*

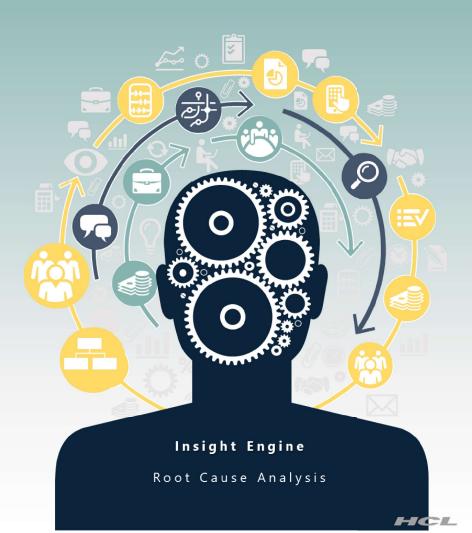
Empowering end users to remediate low complexity issues

Proactive Support

Tethered end-user experience score to service desk requests for prioritized alerting when certain thresholds are surpassed

Optimized Insights

Heightened visibility into user desktops enabling IT to quickly diagnose and resolve problems







Rationalized **Costs**

Realize supplemental pecuniary efficiencies



Economized Infrastructure Outlay

- Cost effective compute and storage
- Best value compute rate
- OPEX spend aligned to business usage



Judicious License Usage

- Savings on RDS CAL with multi-session deployment
- No need of server OS license or RDS license
- 3-year Win7 ESU included (till 2023)



Retrenched Labor Spend

- Compute and storage moves to cloud
 - Savings on maintenance of server racks, server patching, cooling, real estate, management of DC, physical/logical security





Flexible Network Provisioning

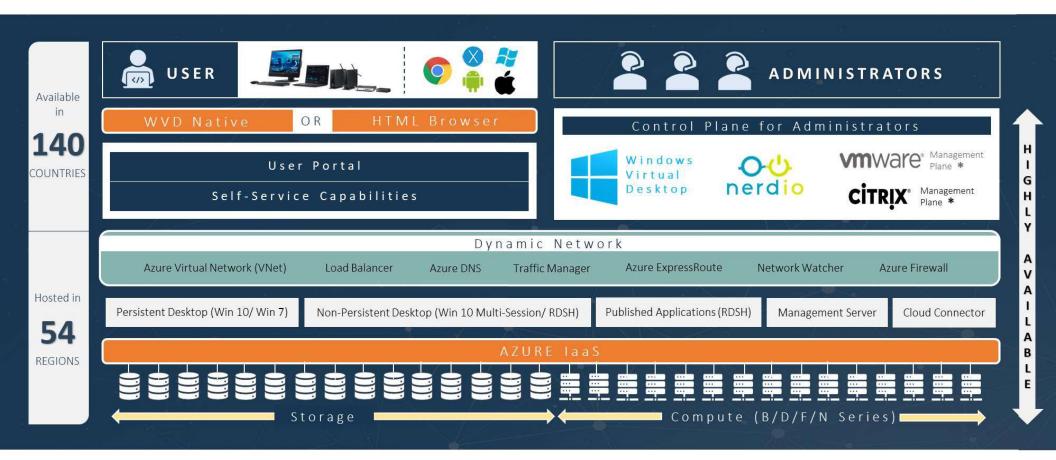
Pay for actual outbound data transfer instead of peak two-way data transfer





HCL Cloud Workspace Models

Conceptual Architecture









Pilot Approach

Proof of Concept Methodology

WVD POC SCENARIOS

Deploy Windows 10 Multi Session WVD host pool(s) Deploy Windows Server (2012 or 2016 or 2019) WVD host pool(s) Publish Remote Apps and Remote Desktops

Optimize O365 using FSLogix containers

PRE-REQUISITES

Microsoft Azure

- An Azure tenant (Ex: yourdomain.onmicrosoft.com) environment along with at least 1 active subscription
- The user who will provision & configure WVD must have "Global Admin" rights to the Azure tenant they are a part of
- The user who will provision & configure WVD must have at least "Contributor" rights to the Azure subscription

Active Directory

- An Azure Active Directory
- A Windows Server Active Directory in sync with Azure Active Directory

INSTALL/CONFIGURE TROUBLESHOOT PUBLISH DEPLOY Win 10 Multi-Session User Host Windows Server RDSH Installing and Create RemoteApp & In case of issues, deep configuring file server Desktop application troubleshooting to Determine host count Calculate number of host servers for user profiles determine the root-cause groups basis user type and the redirection and subsequent elimination Deploy VM using the Azure Deploy Applications to number of user sessions of the problem Installing FSlogix on the Remote App group Portal or ARM template Deploy Session hosts all the session host for Join the new VM to AD domain Grant Test users access using Azure Gallery user profiling to WVD AppGroups Image from Azure Portal Manually register session hosts Configuring AD group or GitHub ARM template with WVD using PowerShell Validate end user policies and FSlogix access and desktop/ script policies for user Install & configure application required applications on profile redirection Install & configure applications functionality session host on session host



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Benefits

Extended to Stakeholders

Superior Economics and Experience Driven by Infrastructure, Licensing and Application Compatibility



Cost Efficiency

- Multi-Session Support
 1:N mapping of Windows 10 OS license to users
- Utilizing Existing Licenses
 Leveraging existing Windows 10 user licenses for virtual desktops
- Avoid Exorbitant Extended Support Costs
 Windows 7 end of life in January 2020
- Cost of Management Plane
 Available free of cost

Streamlined Control

- Data reside in public cloud and not in individual machines
- Centralized management

For End Users



Improved User Experience

- Application compatibility with Win 10 client OS
- Workplace Analytics
- Self-healing
- Persona aligned support
- Collective Intelligence Benchmarking

Empowered Users

- Supplemental Integrations for augmented capabilities
- Self Service Options
 - Cognitive Virtual Assistant LUCY
 - Password Reset

Flexible Workspace

Secure workspaces that can be accessed from Any Device, Any Where, Any Time across user profiles

Automated Delivery

- Auto scale-up, scale down
- Rapid Provisioning

Solution Considerations

HCL Cloud Workspace Criteria

- A minimum of 40 monthly active users (MAU) or production trial
- 500+ MAU for production rollout
- Pilot will be for 3 months
 - Setup = 1 month
 - UAT = 2 months
- WorkBlaze SaaS will be leveraged for AIOps capabilities
- For every pilot in production environment, Microsoft will provide \$30,000 cash incentive and 3,000 credits for every Lighthouse Pilot customer
- Service Availability = 99.9%







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Relationship

BEYOND THE CONTRACT

9.3 BILLION USD | 1,43,000+ PEOPLE | 44 COUNTRIES

