

Horizon Private Cloud

No Risk Proof of Concept

Virtual Desktop - Proof of Concept Outline



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Overview

Horizon Private Cloud presents the following proof of concept (POC) plan as a key step to validating requirements and identifies potential obstacles for the implementation of hosted virtual desktops for:

Client Information	
Company Name	
Address	
City, State, Postal	
Main Telephone	
Primary Contact	
Email	
Telephone	
Address	
City, State, Portal	

The POC will provide supporting justification for Horizon Private Cloud technology, gather requirements about Client, application usage, and network. The POC will:

1. Define the business requirements for success.
2. Detail system and network environment.
3. Any changes to or enhancements necessary for implementation across the enterprise.

POC Project

The POC will run in three phases:

- Phase 1 – Project Launch
- Phase 3 – POC Requirements
- Phase 4 – POC Build Out

Phase I - Project Launch

The POC launch consists of defining the management of the POC including members of the team and management practices.

Horizon Private Cloud POC Members

HPC Address:
1 Rancho Circle
Lake Forest, CA 92630

Team Member	Responsibilities	Contact Information

Client Members

Team Member	Responsibilities	Contact Information

Phase II - Requirements of POC

This section defines the requirements for a successful POC. All requirements will be agreed upon by both Client and HPC.

HPC vDesktop Use Cases

HPC and Client will define the use cases for all users.

Use Cases	Criticality	Criteria
User Groups	High	Document user groups to receive virtual desktops
Virtualized Applications	High	Identification of all virtualized applications per user group.
Security	High	Define each user group security model.
Geographic Location	High	Document user group geographical and physical locations to receive HPC virtual desktops. <100 ms latency as measured by ping or www.speedtest.com

Network Topology

Client network is defined as follows:

Network Component	Definition
Data Center	Located at Client's corporate offices in (** Locations **).
Remote offices	Client support (**) remote offices throughout (**) with (** number of PCs **) users per office.
Remote Desktops	Each remote office will have desktops currently running either Windows XP or Windows 7 OS as the native operating system. These computers will be either replaced with a thin client or provisioned for the vDesktop thin client products.
Printers	Each remote office will have at least one remote printer, mapped locally to the remote desktop. Printer models include: 1.
Network Connection	Each remote office is connected to clients NOC via a public (internet) circuit ranging in speeds from: 1. Cable 2.

Desktop Assessment

Each desktop will be assessed for latency using publically available communication tests (www.speedtest.com or Command prompt: ping) prior to the implementation of vDesktop. Desktop communications between remote office and HPC data center must be sub-50 millisecond latency for effective vDesktop implementation.

Thin Client and Provisioned PCs

Client will determine if thin clients or provisioned existing PCs are appropriate for vDesktop rollout. At the direction of Client, HPC will set up both at Client’s POC test location for evaluation. Pricing for thin clients will be provided by HPC for Client review.

Success Criteria

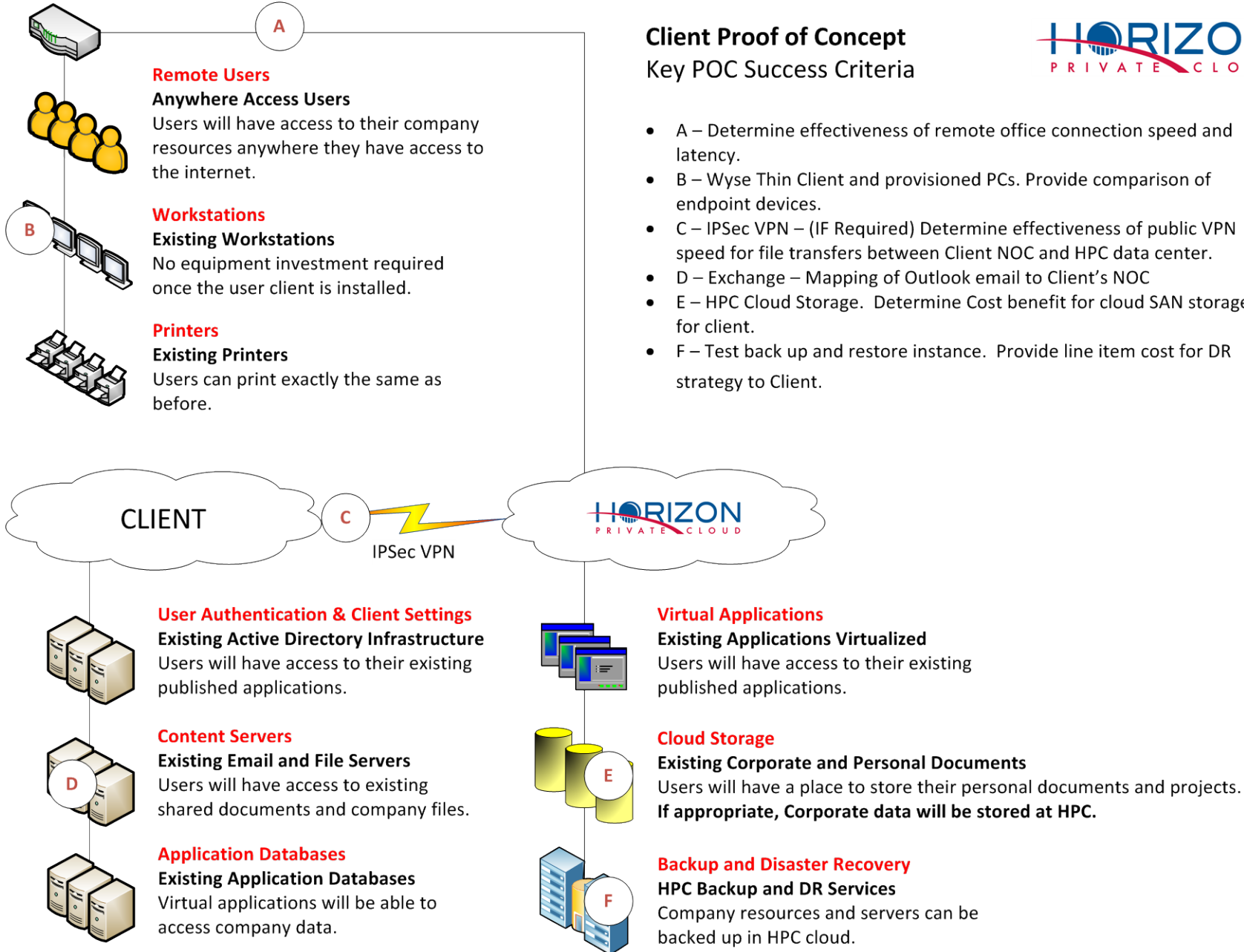
Success criteria are specific goals that are measurable, achievable, realistic and timely. For this POC, success criteria are as follows:

Success Criteria	Criticality	Criteria
Graphics	High	When working with two dimensional graphics applications, users should experience smooth and responsive functionality within the application on a LAN and WAN environment.
USB Storage	High	Users should be able to access USB storage devices from within their virtual desktop without requiring a logoff/logon.
Printers	High	Users should be able to print to their local printers from within their virtual desktop.
Visual	High	Users should have the ability to control screen resolution, modify screen size for their virtual desktop.
User Roaming	High	Users should be able to seamlessly move an active virtual desktop between physical systems.
Personalization	High	Users should be able to personalize their virtual desktop environment with application configurations, environment settings and user preferences. The personalization settings should follow the user from system-to-system. The following personalization setting are: <ol style="list-style-type: none"> 1. IE history and preferences 2. Office history and preferences 3. Windows Explorer preferences
Remote Access	High	Users should be able to get access to their virtual desktop securely and over remote connections without relying on a VPN client on the end-point.
Application Delivery	High	Users should only see the applications they have been assigned.
Thin Client, provisioned PC	Medium	HPC will implement Wyse terminal thin client and provisioned PCs for Client review.
Multi-monitor Support	Medium	Users should be able to seamlessly span the virtual desktop across multiple monitors without requiring special configuration on the end-point.
Video	Medium	Users should be able to view and listen to video and audio content with no significant delays, freezing, or pixilation when playing Windows media in a LAN or WAN environment.
Flash	Low	Users should be able to view and listen to video and audio content with no significant delays, freezing, or pixilation when viewing Adobe Flash media in a LAN/WAN environment.

Client Proof of Concept Key POC Success Criteria



- A – Determine effectiveness of remote office connection speed and latency.
- B – Wyse Thin Client and provisioned PCs. Provide comparison of endpoint devices.
- C – IPSec VPN – (IF Required) Determine effectiveness of public VPN speed for file transfers between Client NOC and HPC data center.
- D – Exchange – Mapping of Outlook email to Client’s NOC
- E – HPC Cloud Storage. Determine Cost benefit for cloud SAN storage for client.
- F – Test back up and restore instance. Provide line item cost for DR strategy to Client.



Phase III - POC Build Out

Success Criteria	Results (P/F)	Notes
Graphics		
USB Storage		
Printers		
Visual		
User Roaming		
Personalization		
Remote Access		
Application Delivery		
Thin Client, provisioned PC		
Multi-monitor Support		
Video		
Flash		

Appendix A – Project Meeting Notes

Date	Attendance	Notes