COVID-19 Sirius End-User Computing
Options to Quickly Provide Additional Capacity for Remote Users

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Overview

This document provides options for clients to quickly expand their virtual app and desktop environments to support additional work from home employees. While there are traditional methods to complete this expansion, such as procuring additional hardware, these options focus on hardware-less options. Ways for the organization to leverage cloud-based and as-a-service technology to expand or burst their environment.

For each option, we will provide an overview of the solution, and the services required for each. This will vary by the size of each organization, compliance requirements, and maturity in the EUC/Cloud space.

Sirius can work with clients to find the most optimal region based on capacity and location, as resources are not guaranteed in a specific region.

Information gathering is available to assist with sizing, application usage, etc.

Lakeside has just launched a free, no questions asked license to help your clients plan to work from home. With this license comes a detailed report and dashboard to help clients make the decisions necessary to have users remote in.

- Current device and mobility composition
- Critical applications by user
- Remote work compatibility by user
- Performance baselines
- End-user experience baselines

If you think this will help clients remain productive while remoting in, please feel free to use it. Remote Work Planning with SysTrack and Sirius

Citrix Clients

Burst to Cloud – Azure

Leverage Azure based resources to power additional RDS and virtual desktop resources. Communication is required between the client data center(s) and Azure to allow for domain join and internal resource access. Depending on the bandwidth available between Azure and the client, and the amount of latency, application and data performance can be impacted.

Hardware/Licensing

- Additional Citrix licenses may be required
- Additional Microsoft RDS/VDA licenses may be required
- Citrix ADC appliances licenses may be required for direct external access to Azure
- Client will be responsible for consumption costs in Azure

Services Necessary

- Sirius services to design and enable expansion to Azure
- Azure services to setup and secure Azure Landing Zone (if client does not have presence)
- Sirius services to expand Citrix environment
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• Networking services to assist with connection to Azure

**Burst to Cloud - AWS**

Leverage AWS based resources to power additional RDS and virtual desktop resources. Communication is required between the client data center(s) and AWS to allow for domain join and internal resource access. Depending on the bandwidth available between AWS and the client, and the amount of latency, application and data performance can be impacted.

**Hardware/Licensing**

- Additional Citrix licenses may be required
- Additional Microsoft RDS/VDA licenses may be required
- Citrix ADC appliances licenses may be required for direct external access to AWS
- Client will be responsible for consumption costs in AWS

**Services Necessary**

- Sirius services to design and enable expansion to AWS
- AWS services to setup and secure AWS tenant (if client does not have presence)
- Sirius services to expand Citrix environment
- Networking services to assist with connection to AWS

**VMware EUC Clients**

**Burst to VMC on AWS**

Leverage VMC on AWS based resources to power additional RDS and virtual desktop resources. Communication is required between the client data center(s) and AWS to allow for domain join and internal resource access. Depending on the bandwidth available between AWS and the client, and the amount of latency, application and data performance can be impacted.

**Hardware/Licensing**

- Additional Horizon licenses may be required
- Additional Microsoft RDS/VDA licenses may be required
- Client will be responsible for consumption costs in AWS

**Services Necessary**

- Sirius services to design and enable expansion to AWS
- AWS services to setup and secure AWS tenant (if client does not have presence)
- Sirius services to expand Horizon environment
- Networking services to assist with connection to AWS

**Non-Citrix/VMware EUC Clients - DaaS (Desktop as a Service) options**

Citrix Managed Desktops
Citrix Managed Desktops is a desktops-as-a-service solution that makes it easy to deliver secure Windows apps and desktops from the cloud. This simple, turnkey service eliminates the complexity of desktop management and enables you to quickly deliver desktops and apps to any device, from anywhere.

Estimated Pricing - $16 per user, per month for Citrix Managed Desktops. $6.25 per user, per month for RDS CAL (2016) Minimum of $5 per user, per month for Azure compute. - https://costcalculator.apps.cloud.com/daas/advanced

Client can use VPN to provide access to Active Directory, and data housed in the customer’s data center.

**Horizon Cloud**

To help clients get started with Virtual Desktops (VDI) and applications as a remote workforce solution, we are offering Horizon Cloud on Microsoft Azure for 45 days free of charge.

- Delivers Desktop-as-a-Service (DaaS) solution.
- No on-premise hardware or infrastructure required
- Bring your own Azure capacity ID
- Create your desktop/application images and go!
- Helps them get familiar and scale with a cloud-based solution

Services Necessary

- Services to design and enable expansion to Azure
- Azure services to setup and secure Azure Landing Zone (if client does not have presence)
- Sirius assistance for image build and initial configuration

**AWS Workspaces**

Amazon WorkSpaces is a managed, secure *Desktop-as-a-Service (DaaS)* solution. You can use Amazon WorkSpaces to provision either Windows or Linux desktops in just a few minutes and quickly scale to provide thousands of desktops to workers across the globe. You can pay either monthly or hourly, just for the WorkSpaces you launch, which helps you save money when compared to traditional desktops and on-premises VDI solutions. Amazon WorkSpaces helps you eliminate the complexity in managing hardware inventory, OS versions and patches, and Virtual Desktop Infrastructure (VDI), which helps simplify your desktop delivery strategy. With Amazon WorkSpaces, your users get a fast, responsive desktop of their choice that they can access anywhere, anytime, from any supported device.

Amazon WorkSpaces provides the flexibility to pay monthly or hourly. The charges for the Service apply on a monthly basis. With monthly billing, you pay a fixed monthly fee for unlimited usage during the month, which is best for workers who use their Amazon WorkSpace full-time or as their primary desktop.

Services Necessary

- Sirius services to design and enable expansion to AWS
- AWS services to setup and secure AWS tenant (if client does not have presence)
- Sirius assistance for image build and initial configuration

**Azure Windows Virtual Desktop (WVD)**

Windows Virtual Desktop is a comprehensive desktop and app virtualization service running in the cloud. It’s the only virtual desktop infrastructure (VDI) that delivers simplified management, multi-session Windows 10, optimizations
for Office 365 ProPlus, and support for Remote Desktop Services (RDS) environments. Deploy and scale your Windows desktops and apps on Azure in minutes and get built-in security and compliance features.

With Windows Virtual Desktop, pay only for Azure Virtual Machines and Azure Storage consumed by users during their use of the service. Select deployment options to match your needs.

Services Necessary

- Sirius services to design and enable expansion to Azure
- Azure services to setup and secure Azure Landing Zone (if client does not have presence)
- Sirius assistance for image build and initial configuration