

# Axiom's Multi-tenant Desktop Virtualization Service



## Access Windows Desktops and Applications Anytime, Anywhere

Axiom offers consulting services to implement multi-tenant desktop virtualization. The virtual desktops are accessible for end-user devices, allowing access to Windows desktops and applications anytime and anywhere. Using proven methodologies, tools, and best practices, we ensure the successful implementation of Virtual Desktop Infrastructure (VDI) using Citrix on AWS.

We implement end-to-end desktop provisioning in less than 60 minutes, if all the pre-requisites are met. Axiom's differentiation is its powerful automation platform, Cloud Desktop Platform (CDP), which helps you manage Citrix applications and VDI, saving you substantial time and implementation costs.

## How It Works:

Axiom has more than 10 years of experience in creating digital workspaces and desktop virtualization solutions. Our consulting covers everything that is required to transform workspaces. Using Citrix on AWS or Amazon WworkSspaces/AppStream 2.0, we implement and manage Virtual Desktop Infrastructure.

We understand the customer's current end-user computing landscape, assess its your maturity to prepare for the end-user computing transformation. Once we understand their needs and the maturity posture, we utilize CDP, a powerful automation platform, to build the Citrix management and VDIs. We bake security into the automation.

## Our methodology covers the following steps:

### Discovery and Assessment:

We understand the customer's current end-user computing landscape, assess its your maturity to prepare for the end-user computing transformation. Once we understand their needs and the maturity posture, we utilize CDP, a powerful automation platform, to build the Citrix management and VDIs. We bake security into the automation.

### Design and POC:

We cover the design aspects of the VDI architecture (please refer to the standard architecture in the Architecture Diagram section) and provide a quick POC model to test and validate if the application runs seamlessly in the VDI.

## Automation Using CDP & AWS Native Tools:

Most digital workspace transformation projects struggle due to implementation challenges. We precisely solve that using CDP and AWS Native Tools.

- Image provisioning
- Image bundle creation
- Fleet and stacks creation
- Management layer and Access layer
- Image preparation
- Citrix catalog creation

## Deployment:

Our custom-built quick-start templates can be used to deploy Citrix Virtual Apps & Desktops (CVAD) setup within a day with basic settings. A centralized, personalized user-management portal will be provided to end-users to log in and access the desktops. Our CDP uses in-built automation to deploy the following:

- Delivery group creation (Citrix)
- WorkSpaces/AppStream deployment (Amazon WorkSpaces/AppStream 2.0)
- User assignments (Citrix, Amazon WorkSpaces/AppStream 2.0)
- Auto-scaling of Workspaces/ Application Hosts

We hand over all the documentation and offer support as per the Service Level Agreement (SLA) once the deployment is completed.

## Key Activities We Perform:

- **Analysis** – Swift analysis of customer's infrastructure and application landscape.
- **Design** – Designing the VDI architecture by considering all the best practices.
- **Automation** – Automated Image preparation using AWS image builder and application scripts for the Master Image.
- **Implementation** – Proof-of-concept (POC) for a quick demo followed by the implementation phase.
- **Test and Fix** – Fine-tuning the VDI based on the feedback received from the users.
- **User Onboarding and Hyper Care** – Gathering details for user onboarding and support.
- **Knowledge Transfer to the Customer Support team** – Documentation and handing over to the customer followed by support based on the defined SLA.

## Customer Contribution:

- **Customer Needs:** Depending on the customer's transformation needs, either of Citrix on AWS or Amazon WorkSpaces/AppStream 2.0 will be suggested. The customer can choose from the pre-defined options based on their budget.

- **End-user details:** The customer must provide information such as the number of users, required CPU size, memory, type of hypervisor, storage type, and capacity. They must also provide information on the existing applications as are necessary for the end-users.
- **Customer Licensing:** Citrix, Windows, Amazon WorkSpaces/ AppStream 2.0, and other licenses required to implement your VDI.
- **Hardware dependencies:** Provide details on any hardware dependencies.
- **Inventory:** Details of current EUC environment—physical, VDI/server-based computing (PCs, Citrix, VMware)
- **Operating model:** Current operations model, structure, tooling, SLAs, delivery centers, and aspirations for improvement.
- **Security policies and standards:** Any security baselines applicable, including compliance needs.

## About the Consultant:

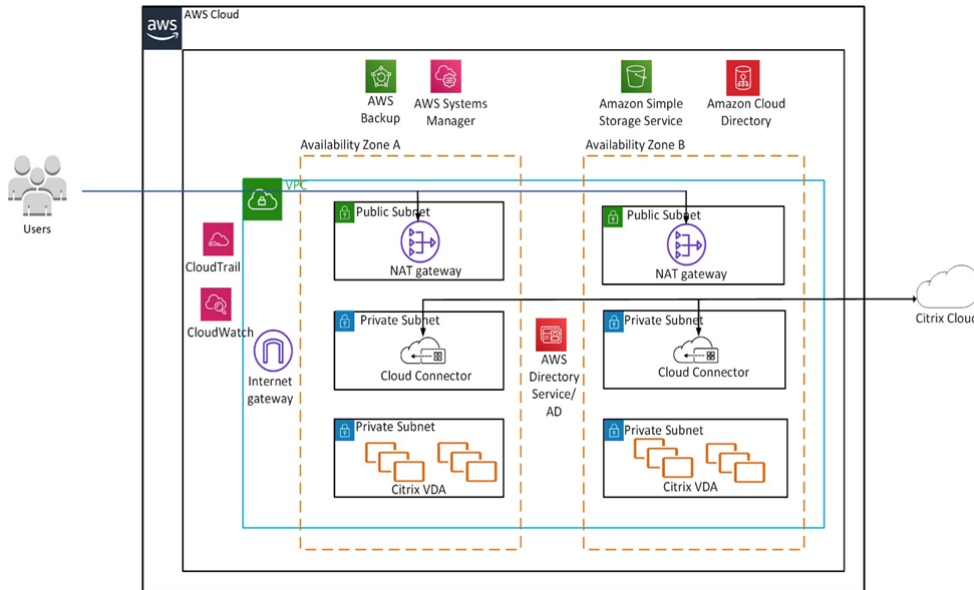
Axiom is a specialist provider of cloud application development and managed services to startups and mid-market enterprises. The company was founded in 2013 and has offices in the USA, Canada, and India. A strong team of 150+ engineers works with customers to build complex technology solutions leveraging AWS and Citrix. Our 20+ people Digital workspaces team has capabilities in Citrix on AWS, AWS cloud, Amazon WorkSpaces/AppStream 2.0, Amazon Worklink and Amazon CloudTrail. Also, with our CDP platform, customers can access cloud desktops on-demand to meet their users' needs.

## Benefits:

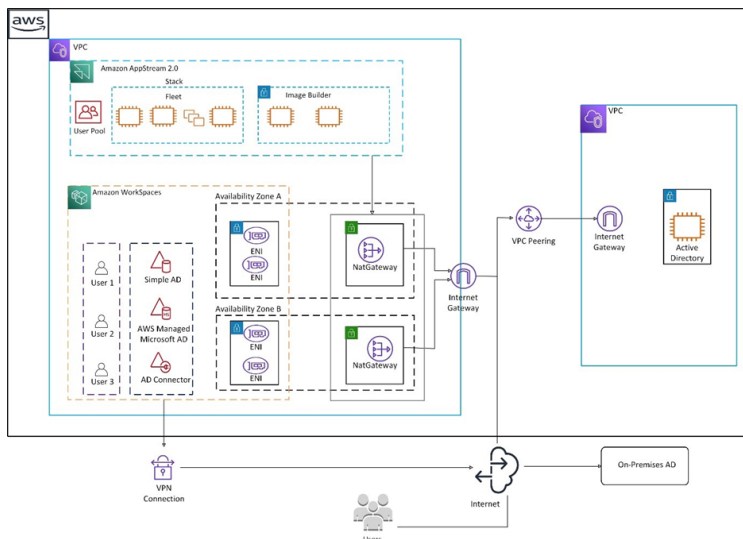
- **Cloud-native Solution**  
Harness the power of AWS services, and avoid infrastructure issues.
- **Multi-tenant Service**  
Enable multiple users to share a single instance of a software application and its underlying resources.
- **Highly Secure**  
Using Citrix security by design features, the customer's security posture can be continuously managed. All the data accessed by the end user is available in the server as opposed to the end device, which is then secured and saved from any attacks like ransomware.
- **Superfast Implementation**  
Implement end-to-end desktop provisioning in less than 60 minutes, if all the prerequisites are met.
- **Role-based Access**  
Using Citrix or other Identity Access Management solutions, segregating users and their accesses based on roles is easy.
- **Cost Optimization**  
Reduces the time to build VDI infrastructure in AWS. Provides high ROI.

## Architecture Diagram:

- Note: The below architecture depicts Citrix VDI deployed on AWS.



- Note: The below architecture depicts Amazon WorkSpaces/AppStream 2.0



We leverage AWS native tools to optimize cost by auto provisioning and shutting down VMs which enables cost optimization. We enhance customer VDI and security by leveraging inbuilt security validation tools. As an important step, we always encourage our customers for a quick POC.