



WorkSpaces Case Study

How DGDean migrated an Asset Management Group's workforce and infrastructure to AWS during COVID-19

An Investment Management Firm

An investment management firm providing high return, low risk investments for their clients. Our client is managed by veteran investment professionals with over 30 years experience in quantitative asset management. They adopt systematic, state of the art approaches for researching and monetizing quantitative strategies. They built a unique research and development platform and continually evolve it.

Learn more at www.dgdean.com

THE CHALLENGE

When COVID-19 hit, an investment management firm had to move quickly to bring their leading edge quantitative research and asset management services (and the workforce that support it) to the Cloud.

“Infrastructure and data security were paramount concerns. They needed remote desktop interfaces for its workforce that could securely access their R Server and Jupyter Notebooks from controlled environments. User and access management needed secure authentication using Microsoft's Active Directory.

THE SOLUTION

Within 2 weeks, DGDean had deployed their data processing service running on encrypted Amazon Linux 2 instances tied to an Active Directory on AWS Directory Service. With data security in mind, each user gained their own domain-joined AWS Workspace running Windows. Group policies restricted data flow and internet outbound access to keep IP secure.

Local file shares between Linux and AWS Workspaces enabled their workforce to easily access research data in a controlled, encrypted environment.

THE BENEFITS

Enable a remote workforce:
Users gained their own remote desktop experience with all the configured software ready to go.

Cost optimized infrastructure:
Scheduled instances and workspaces during work hours cut costs ~50%.

Security at every level:
VPC setup for private access only, group policy restrictions, and end-to-end encryption.

ABOUT DGDEAN AND AWS

DGDean is an AWS partner that provides end-to-end technology and digital project management services to fast growing start-ups. For most clients, we are their technology department.

Amazon WorkSpaces is a cost-effective, managed cloud desktop for flexible work styles. Embrace virtual desktops with confidence on the flexible, secure, and globally available AWS cloud.

NEXT STEPS

To learn more about how AWS and DGDean can help your business, visit www.dgdean.com