

SECURE CLOUD MIGRATION

Rapidly and securely adopt cloud architectures by reducing complexity before, during and after migration.

Introduction

Cloud migration is a complex undertaking, and the slightest mistake can compromise an organization's security—increasing the risk of a data breach, ransomware attack or other business-disrupting incident.

Appgate SDP, an industry-leading Zero Trust Network Access (ZTNA) solution, provides a convenient way to secure workloads before, during and after migration:

- From your premises or data center to any cloud
- From one cloud to another
- From the cloud back to your premises or data center

Challenges

Whether it's a cloud-agnostic policy driving cloud adoption or applications with individual requirements best suited for different platforms, your organization is likely on a multi-cloud or hybrid cloud path. Unfortunately, cloud migration initiatives often face one or more significant secure access challenges including:

- **Lack of resources and skills:** Cloud security is a specialized domain and in many cases an organization either lacks this skill set or their experienced personnel already carry heavy loads
- **High configuration burden:** The control plane handles a long list of configuration settings that, if improperly managed, can expose data, grow the threat surface or weaken access controls
- **Lack of visibility and monitoring:** Security teams often scramble to understand what is going on in public cloud environments, especially when accessing multi-cloud data analytics tools
- **Complex access management:** It is a challenge to identify appropriate least-privilege roles and identity policies, particularly in multi-cloud scenarios that have a lack of consistent security controls

It's important to choose a comprehensive security solution that maintains data integrity and reduces complexity while maintaining consistent security before, during and after migration.

Solution

Appgate SDP is a powerful secure access platform capable of securing any application, on any platform, in any location and is purpose-built for hybrid and multi-cloud environments. It is simple for admins to configure across users and workloads and delivers:

- **Secure user and workload access:** Protect user-to-resource and resource-to-resource connections with a single solution
- **Unified policy engine:** Maintain a single set of security policies for hybrid environments—before, during and after the migration
- **Access control:** Eliminate IP-based, over-entitled network access by drawing on identity, context and risk to dynamically create a secure, encrypted network segment of one tailored for each user session
- **Visibility:** Generate a rich set of resource and identity-centric access logs—and integrate them into existing security event management for visibility and compliance

Appgate SDP helps you address the challenges involved in migrating applications and data to the cloud with a comprehensive and feature-rich security overlay.

APPGATE SDP BENEFITS

SIMPLE MIGRATION PATH

Enable a secure incremental migration as a practical alternative to all-or-nothing approaches. Address immediate needs by migrating a subset of workloads; the experience remains seamless to the end user before, during and after the migration.

EASILY CONFIGURE USER AND WORKLOAD ACCESS

Centralize control over users and workloads and ensure productivity during any cloud migration.

DELIVER A SEAMLESS END USER EXPERIENCE

Connect users to workloads in any cloud or network—with the same level of security controls—without changing the user access experience.

KEEPS YOUR DATA SAFE FROM PRYING EYES

Multi-cloud and on-premises resources are not exposed to the internet because your infrastructure is cloaked, and traffic travels through mutual TLS-based micro tunnels on a per user basis.

INCREASE PRODUCTIVITY

Dynamic security policies applied in real time allow clients to make simultaneous multiple connections to multiple locations across clouds to address specific user connectivity needs.

ELIMINATE CLOUD VENDOR LOCK-IN

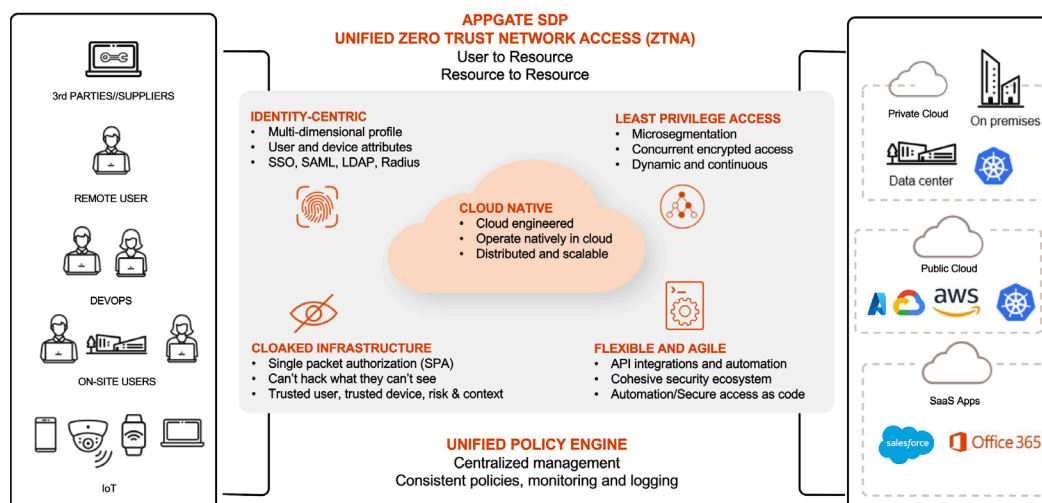
Easily migrate from one cloud provider to another—and even back to on-premises—with consistent security controls.

"There is a right and a wrong way to move to the public cloud. Sloppy cloud migration can cause your organization to be less secure and we believe specific security principles should be followed. We implemented Appgate SDP to augment network layer security control. No other Zero Trust system was able to handle this level of scale, speed and dynamic policy enforcement."

- CIO at a financial regulation authority

The Power of Appgate SDP for Cloud Migration

Appgate SDP is the industry's most comprehensive ZTNA solution, offering secure access regardless of infrastructure or migration destination. It delivers Zero Trust access for traditional and cloud-native workloads, plus on-premises and data center workloads—regardless of location—for user-to-resource and resource-to-resource connections.



- **Identity-centric:** Delivers security that adapts access based on user, device, application and contextual risk, building a multi-dimensional identity profile before authorizing access
- **Cloaked infrastructure:** Uses a sophisticated form of single packet authorization (SPA) to make your on-premises and multi-cloud resources invisible from hackers, and users require authentication and authorization before access is granted
- **Least privilege access:** Provides multi-tunneling technology that microsegments users, workloads and resources allowing simultaneous and direct connections (mTLS tunnels) to on-premises and multi-cloud resources
- **Dynamic and continuous:** Automatically modifies access in near-real time based on changes in context and risk so that security risks are automatically blocked
- **API technology:** Built with extensible 100% API-first technology that enhances and integrates with your existing technology stack, coupled with the ability to build security directly into the fabric of your business processes and workflows
- **Unified policy engine:** Provides centralized management, consistent policies, monitoring and logging across your on-premises and multi-cloud resources

Appgate SDP for Cloud Migration Use Cases

- **Forklift migration:** Makes the location of the application transparent for end users, enabling seamless secure access
- **Rework the application:** Prevents a complete refactoring of all aspects of an application. Administrators can still SSH to the container or RDP to the server, limiting refactoring to the core part of the app
- **Rewrite the application:** Allows administrators, testers and build systems to have full access to application servers
- **Adopt SaaS applications:** Helps secure SaaS applications by ensuring only authenticated users have network access to the application

About Appgate

Appgate is the secure access company. We empower how people work and connect by providing solutions purpose-built on Zero Trust security principles. This people-defined security approach enables fast, simple and secure connections from any device and location to workloads across any IT infrastructure in cloud, on-premises and hybrid environments. Learn more at appgate.com