APPGATE®

Speed up Security. Unleash DevOps.

Provide seamless access to multiple AWS accounts without switching VPNs to improve the speed and productivity of DevOps teams.

Maximizing the productivity of DevOps teams is a top priority for AWS users. But balancing the speed of DevOps with the reactionary pace of security is a struggle.

DevOps teams need to work across multiple AWS accounts without restrictions and delay, at a cadence and workflow that allows for maximum productivity. Security teams need to ensure they don't impede the speed of work and innovation while securing access and deploying workloads in development, testing, and production environments consistently. They need to avoid imposing massive delays on the DevOps teams waiting for permissions to do their jobs.

What's needed is a solution for increasing DevOps productivity without compromising security and compliance.

APPGATE SDP

AppGate for AWS, a secure access solution designed with developers in mind, allows simultaneous secure connections

to multiple AWS accounts eliminating constant VPN switching. AppGate integrates with existing enterprise systems to decrease approval times for elevated access. AppGate SDP – based on the principles of Zero Trust – provides a unified, enterprise-grade solution to reduce operational complexity of DevOps access to today's diverse, hybrid IT environments.

SINGLE CLIENT, MULTIPLE ENVIRONMENTS

AppGate provides DevOps users access to the AWS and hybrid environments they need to accomplish their work tasks without having to switch between multiple VPN's – saving time and resources that can be refocused on application development.

AUTOMATICALLY BUILD AND SECURE NEW ENVIRONMENTS

Developers can automatically create, and secure additional environments and gateways based on resource utilization or any other criteria they specify.

AUTOMATED APPROVALS

Approvals to access various environments can be automated by integrating with an enterprise ticketing system or other operational system via RESTful APIs. Developers will no longer have to wait for a series of manual approvals for environment access.

APPLICATION REFACTORING

Applications do not need to be rewritten to utilize the security solution. Developers write code within the consistent security policies across all environments.

TRANSPARENT USER EXPERIENCE

Each user has a one-to-one network segment that is not limited to a single network or account. Admins can easily ensure that a single user has access to everything they need no matter what network or account it lives on. Users can connect using a single sign-on via an identity provider and have a seamless experience for accessing their dev and staging environment, production application, build jobs – whatever it is they need to access, they'll have it.

SECURITY TEAMS NEED TO ENSURE THEY DON'T IMPEDE THE SPEED OF WORK AND INNOVATION WHILE SECURING ACCESS AND DEPLOYING WORKLOADS IN DEVELOPMENT, TESTING, AND PRODUCTION ENVIRONMENTS CONSISTENTLY.

PROGRAMMATIC SECURITY

Automatically apply security policies based on Live Entitlements to reduce the efforts of standing up security in dev, test, and production environments. Live Entitlements allow enterprises to dynamically change their security based on what, where and when users require access.

BENEFITS

- Improved developer experience
- Increased developer productivity
- Single client access to AWS test, dev, and production environments
- Integrates with existing ticketing and management systems
- Connections are secure, encrypted segments of one between user and resource
- Consistent access control across cloud native and hybrid environments

DATADOG SECURES ACCESS WITH APPGATE SDP

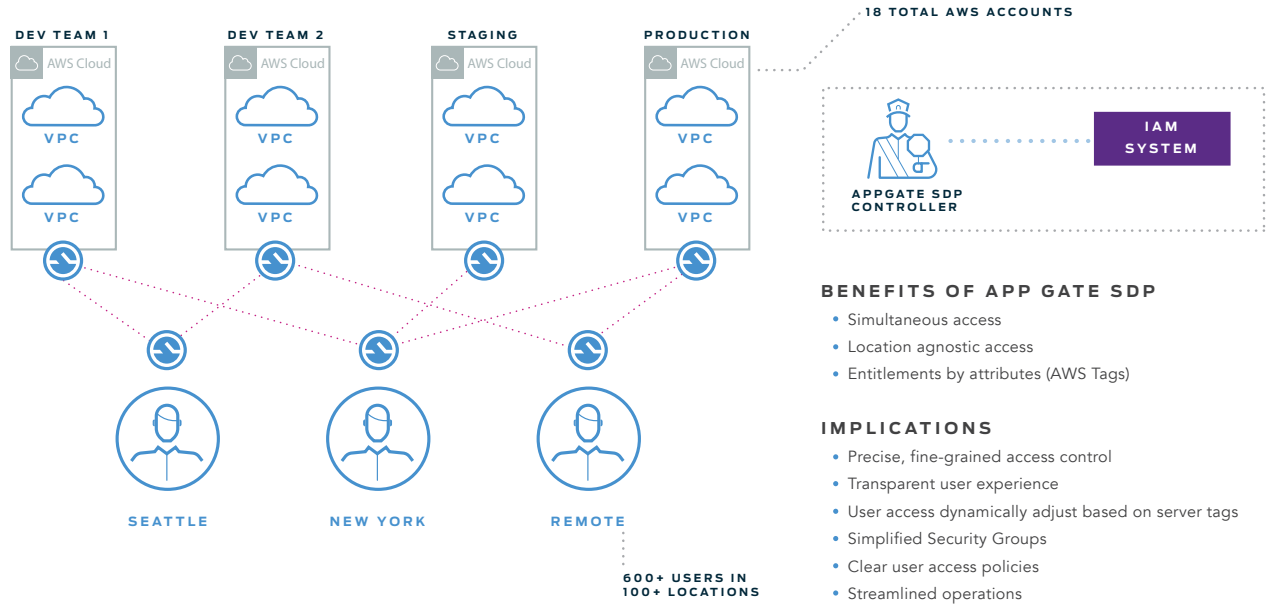
Datadog, operating a high velocity DevOps model, needed a simplified, cohesive platform to manage and secure DevOps user access to individual AWS accounts. Traditional security solutions including VPNs and jump hosts exposed them to an unacceptable level of risk and resulted in an unsatisfactory DevOps user experience.

"A traditional VPN solution granted too-broad, always on access for the engineering staff and there were usability issues where developers continually switched between accounts resulting in an experience that wasn't good," explained Ryan Scott, Senior Software Engineer at Datadog.

"Controlling who could enter our security groups was not tenable in an operations model. We had some security concerns around that. The traditional model for VPN didn't allow us to enforce device validation. Users could install a VPN client on any machine, whether it was corporate-owned or a personal device."

Datadog wanted to adopt a Zero Trust model by using a Software-Defined Perimeter. The company evaluated a number of solutions and selected AppGate SDP.

"AppGate SDP allowed us to provide individual users with their own one-to-one network segment to AWS resources that they are allowed to access. It does this simultaneously across all of our locations and all of our AWS accounts," concluded Scott.



BENEFITS OF APP GATE SDP

- Simultaneous access
- Location agnostic access
- Entitlements by attributes (AWS Tags)

IMPLICATIONS

- Precise, fine-grained access control
- Transparent user experience
- User access dynamically adjust based on server tags
- Simplified Security Groups
- Clear user access policies
- Streamlined operations
- Eliminated VPNs
- Strong device validation with jamf integration