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APPGATE SDP

Universal Zero Trust Network Access for unmatched security, control, flexibility and performance

Key Challenges

Securing access across hybrid IT landscapes is a complex task. The proliferation of unmanaged devices, cloud workloads, IoT/OT devices and hybrid workforces have widened the attack surface. Legacy approaches to secure access are cumbersome, costly and lack the agility needed for evolving organizational needs. Attribute-based access controls that provide adaptive access based on user, device, application and contextual risk are required in today's landscape. Organizations must embrace Zero Trust access strategies to overcome operational deficiencies, drive business innovation and stay one step ahead of cyberthreats.

Solution Overview

Built for complex hybrid IT infrastructures, Appgate SDP is the industry's leading universal Zero Trust Network Access (ZTNA) solution. The vast majority of ZTNA solutions are cloud-routed, built on a proxy-based architecture that redirects traffic through a vendor cloud which adds latency and can't scale to secure connections for all enterprise use cases. Appgate takes a unique approach by adopting a direct-routed software-defined perimeter model. This strategic design ensures optimal performance, low latency and enhanced security for all user-to-resource and resource-to-resource connections. The direct-routed architecture empowers organizations with the flexibility and control required to secure diverse environments across remote and on-premises locations, multi-cloud scenarios and legacy infrastructures.

How It Works

Appgate SDP has three key components: **the Controller**, acting as a trust broker and policy decision point; **the Gateway**, functioning as the policy enforcement point; and **the Client**, connecting users to authorized resources. Cloaked via single packet authorization (SPA), the Client makes an access request to the Controller. The Controller authenticates the user, checks the context, generates a live entitlement token and sends it to the Client via a signed certificate. Using SPA, the Client then sends the entitlement to the Gateway and when validated, establishes a dynamic 'segment of one' network for access to the protected resource. Appgate SDP continuously monitors the system, adapting or revoking access in near real-time to changes in context. The LogForwarder distributes access-related risks to security information and event management (SIEM) tools for correlation and centralized management of events. Appgate SDP can be cloud-hosted, self-hosted or isolated to meet diverse security and compliance needs across varied network topologies.

THE PROVEN ROI OF APPGATE SDP[1]

83% reduction in the number of cybersecurity incidents

87% decrease in time to modify access privileges

32% decrease in hands-on staff time to manage access

66% decrease in access-related trouble tickets

55% decrease in security tools to manage on-premises access

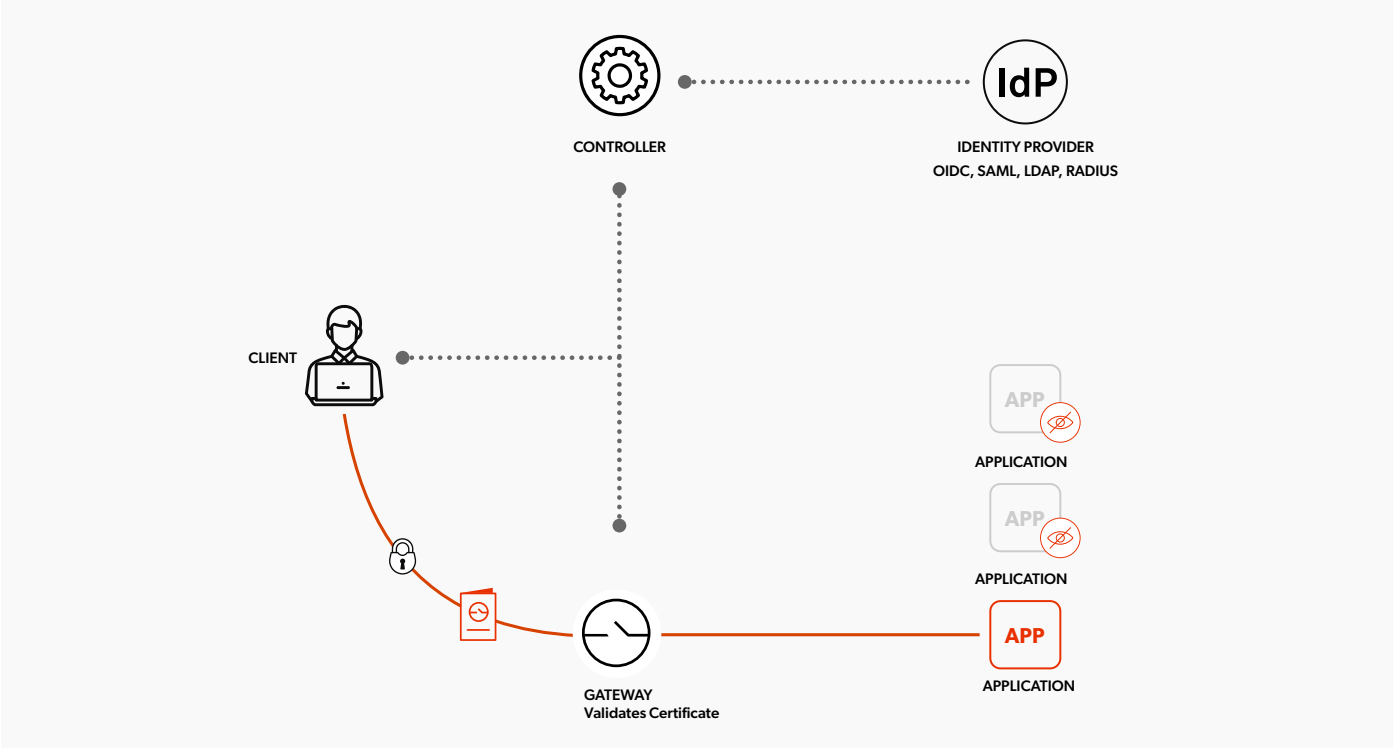
USE CASES

- VPN Replacement
- Hybrid Enterprise and Cloud Access
- Cloud Migration
- Third-Party Access
- Developer Access
- Branch Office Connectivity
- Merger & Acquisition Integration
- IoT/OT/ICS
- Legacy Infrastructure and Application Access
- Café-Style Networking

DEPLOYMENT OPTIONS

- Cloud-hosted, self-hosted or isolated
- Client or browser-based access

[1] Reference: 2023 Nemertes Real Economic Value Study: Appgate SDP Driving Value Through ZTNA



Appgate SDP leverages six core design principles:

1. **Cloaked Infrastructure:** SPA ensures invisibility, with no exposed ports
2. **Attribute-Based Access Control:** Identity-centric security adapts access based on user, device, application and contextual risk
3. **Least Privilege Access:** Builds micro firewalls using patented site-based multi-tunneling to limit lateral movement and segment users, workloads and resources
4. **Dynamic and Continuous:** Integrates dynamic live entitlements that modify access in near-real time based on context and risk
5. **Flexible and Agile:** 100% API-first technology integrates seamlessly with existing tech stacks
6. **Performant and Scalable:** Stateless and distributed architecture allows nearly limitless horizontal scale and performance using off-the-shelf instances or hardware

Benefits

- **Handles Complex Environments and High Security Requirements:** Tailor architecture for unique network challenges; maintain control without relying on vendor clouds; leverage extensibility to build a unified, interoperable security ecosystem
- **Hardens Your Security Posture:** Cloak all resources to render attack surfaces invisible; halt lateral movement through risk-informed Zero Trust least privilege access; achieve comprehensive network visibility; build robust Zero Trust foundation
- **Revolutionizes Your Network:** Overlay secure universal access experience across full topology; revolutionize network with secure café-style connectivity; decrease OpEx by eliminating redundant connectivity costs
- **Minimizes IT and Security Admin Time:** Decrease hands-on time with a unified policy engine; automate access provisioning; minimize trouble tickets; streamline operations and simplify management with an AI-powered co-pilot ChatSDP
- **Improves User Experience:** Deliver consistent connectivity experience for any employee or authorized third party with simultaneous direct multi-tunnel connections providing automatic Gateway and site failover
- **Enhances Technology Investments:** Seamless integration with a range of industry standard monitoring and reporting tools to centrally correlate access-related security risks and events; security posture insights gathered by third-party services such as endpoint detection and response (EDR) enhance dynamic access control policies based on context and risk

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. Appgate helps organizations and government agencies worldwide start where they are, accelerate their Zero Trust journey and plan for their future. Learn more at appgate.com.

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