appgate

COMMON CRITERIA

# COMMON CRITERIA CERTIFICATION

## Secure critical infrastructure with Common Criteria-certified Appgate SDP.

Today's modern organizations, both public sector and private, large or small, need to ensure secure access to critical infrastructure. It is imperative for organizations that are protecting security-sensitive or critical resources to select solutions that undergo continuous and rigorous independent third-party validation. Any validation needs to be based on strict, established, and agreed-upon standards. Common Criteria (CC) is the international "gold standard"for information and technology security product certification.

### Overview

Appgate SDP is the first and only Zero Trust Network Access (ZTNA) solution to achieve Common Criteria certification. This ensures that Appgate SDP meets the most stringent security requirements of government entities for operating in security-sensitive or critical systems.

Originally a government-driven certification, its importance is also recognized by non-government businesses and organizations looking to acquire trusted security software solutions designed with compliance and performance in mind. Products evaluated against a Common Criteria standard exhibit a clear chain of evidence that the process of specification, implementation and evaluation has been conducted in a rigorous and consistent manner.

### What is Common Criteria?

The Common Criteria for Information Technology Security Evaluation, referred to as Common Criteria or CC, is an international standard (ISO/IEC 154081) for computer security certification.

Common Criteria is recognized by 30 nations and was developed by the U.S., United Kingdom, Canada, France, Germany and the Netherlands. It originated from three standards: ITSEC, CTCPEC and TCSEC. These standards were unified so that the government sector could select products that were all evaluated against one set of standards. The CC standards cover processes for evaluating and approving on an on-going basis software and tools that are considered "trusted". Those labled "trusted" are therefore usable by the member countries leveraging and contributing to these standards or common criteria.

CC evaluations are performed by approved to establish and ensure a level of confidence in the product's security features through quality assurance processes.

### BENEFITS OF APPGATE SDP:

Grants access to enterprise resources based on contextual data including user profile, environment and enterprise

Provides complete visibility of network activity, including detailed information on resources accessed, users and context

Leverages native integration with cloud-specific security features to secure public cloud workloads and provide consistent access controls across hybrid environments

Enables transparent remote and third-party access to network resources while eliminating the burden and vulnerabilities of VPNs

Reduces the network attack surface and ensures a robust defense against DDoS, man-in-the-middle and other attacks

Leverages patented multi-tunnel capabilities to seamlessly connect users to applications wherever they run simultaneously

Appgate SDP is the first and only layer three software-defined perimeter to be certified under the Common Criteria certification program. It can help secure your organization, public or private.

**Common Criteria definitions:**

- Security Assurance Requirements (SAR) are descriptions of the measures taken to assure product compliance and are typically included in the CC
- Evaluation Assurance Level (EAL) is a statement of the numerical value to show whether the standard completed meets the needs for the use by that agency or group
- Protection Profile (PP) is a newer standard for IT evaluation
- Security Functional Requirements (SFRs) specify individual security functions that may be provided by a product

PPs are relatively new and slowly replacing the EAL statements. It is most commonly used for evaluating IT components such as firewalls, operating systems, smart cards, etc. When using a PP in an evaluation of a product, the PP will also include appropriate cryptographic requirements for CC evaluations that would typically be covered by FIPS 140-2 evaluation.

Although Common Criteria certification does not guarantee security, it can ensure that claims about the security attributes of the evaluated product were independently verified.

## Appgate SDP and CC Certification

Appgate SDP was submitted for CC (EAL 2+) approval as part of Appgate's rigorous compliance program. This third-party evaluation process leveraged both the EAL and PP. While there is currently no PP specifically for software-defined perimeters, the evaluation did include several PP standards applicable to a software-defined perimeter.

Among the specific security functional requirements (SFRs) that were evaluated as part of the CC process were: cryptographic support, life-cycle support, security management, identification and authentication and user data protection.

Appgate SDP achieved the following certification: Evaluation Assurance Level (EAL) 2+, which includes many of the Protection Profiles for secure network access. This certification ensures that Appgate SDP customers can be comfortable in the fact that the technology is sound and secure.

## Three reasons to select a software-defined perimeter that is common criteria certified:

**Standards-based third-party validation**

- Appgate SDP passed the rigorous independent third-party validation mandated by 30 countries, delivering credibility and trust through the independent CC testing and attestation process.

**Improved enterprise risk management**

- Organizations managing risk rely on high and consistent standards as they implement enterprise risk management programs. Those organizations leveraging products certified by CC demonstrate cybersecurity due care and due diligence.

**Ongoing commitment to excellence in security**

- When you invest in a product that is CC certified, you receive more than a secure product. You also gain a partner that demonstrates their commitment to the highest standards of information technology security.

**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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