SecureW2 + Microsoft Defender® Integration Overview

Real-time Intelligence For Continuous Trust Enforcement

SecureW2's Dynamic PKI delivers a modern, adaptive approach to securing network and application access. By continuously ingesting real-time security signals from sources like **Microsoft Defender**, it ensures certificates are issued only to verified devices, and stay only with those that remain compliant.

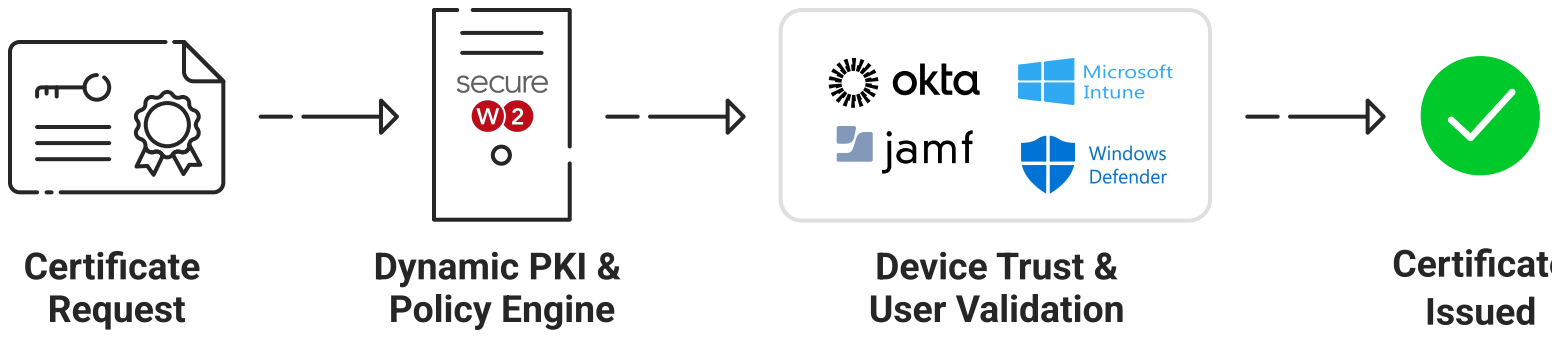
Traditional PKI relies on static, point-in-time checks (e.g. SCEP key), to determine device compliance at the moment of certificate issuance. After that, organizations have limited visibility into whether devices remain compliant.

By leveraging your Microsoft Defender instance with SecureW2, you gain access to dynamic security signals, ensuring access is tied to trusted devices, not outdated assumptions.

- **Modern, Flexible Enrollment:** Use Dynamic SCEP, ACME, OAuth, JSON, self-enroll via dissolvable clients, and more.
- **High-Assurance Policy Engine:** Build adaptive workflows that validate identity through limitless integrations.
- **Continuous Trust Enforcement:** Microsoft Defender's intelligence keeps certificate issuance and access retention decisions aligned with real-time security posture.

How the Microsoft Defender Integration Works

SecureW2 continuously ingests signals from your identity, device management, and security infrastructure to validate whether a user or device should be issued–and retain–a certificate. Signals from Microsoft Defender is streamed via API, allowing Risk Score to dynamically influence certificate issuance, or ingested via our continuous monitoring to instantly revoke them in response to critical security events.



- **Instantly React to Threats:** Revoke certificates immediately after critical threats surface.
- **Continuously Monitor Risk:** De-risk system access by dynamically issuing certificates for different levels of authentication, based on current Risk Score.

North America Sales
(888) 363-3824
(512) 900-5515

UK, Europe and Middle East Sales
+44 20 3912 9916

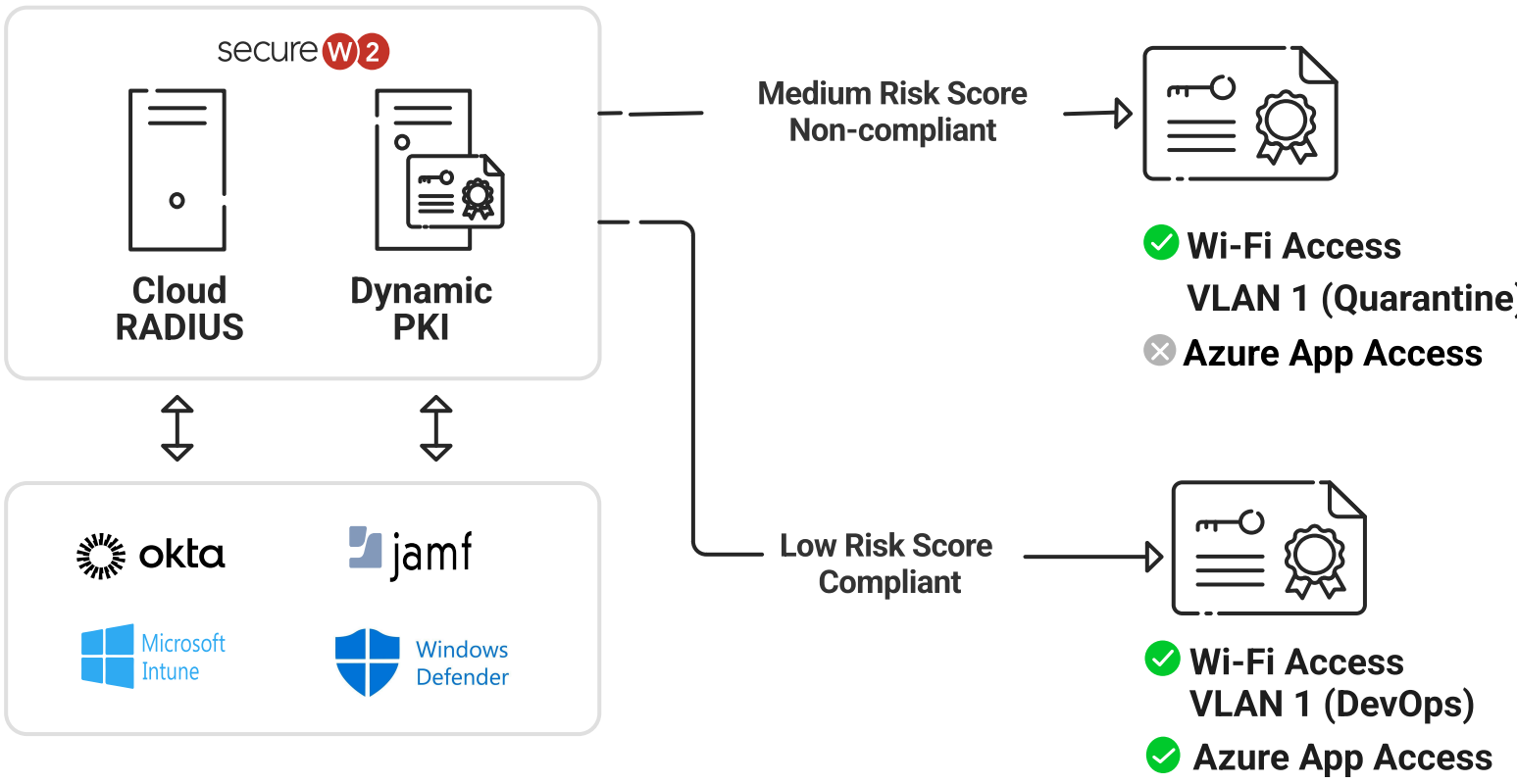
Email
sales@securew2.com

Website
www.securew2.com

Adaptive Access Policies via Microsoft Defender Risk Score

Access decisions should be as dynamic as the risks they protect against. SecureW2 continuously ingests security signals from **Microsoft Defender**, issuing certificates with access levels that adjust based on a device's Risk Score.

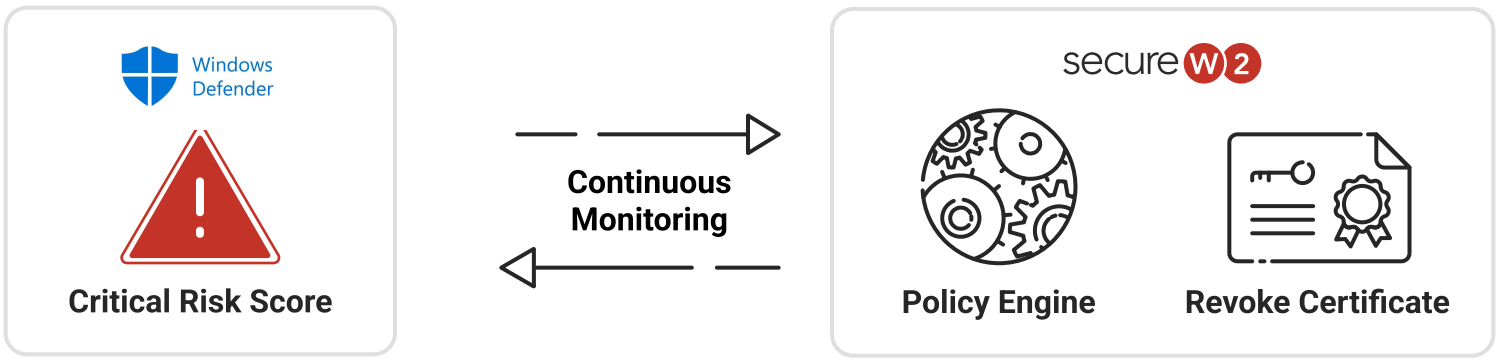
Higher-risk devices may be quarantined, while lower-risk ones maintain seamless access, ensuring authentication policies adapt in real time without creating unnecessary friction.



- **Manage Certificate Lifecycles:** During issuance, or throughout it's lifecycle, SecureW2 uses Microsoft Defender's API to assess the device's Risk Score to ensure the right certificate exists.

Mitigate Risks Instantly via Continuous Monitoring

When a device reaches a critical risk score, through continuous monitoring SecureW2 immediately revokes its certificate before threats can escalate. The workflow below shows how SecureW2 triggers real-time enforcement as a reaction to critical event reported by **Microsoft Defender**, ensuring only trusted devices retain access and security policies stay in sync with the latest threat intelligence.



- **Critical Threat Response:** SecureW2 immediately revokes the affected certificate as risk information from Microsoft Defender is received.

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