

Next Level of Ransomware Protection

AppCheck Pro

**Only anti-ransomware solution for integrated
advance defense / automatic backup and recovery.**

**Trace-Detection-Block-Recovery for
file damaging and alteration behavior**

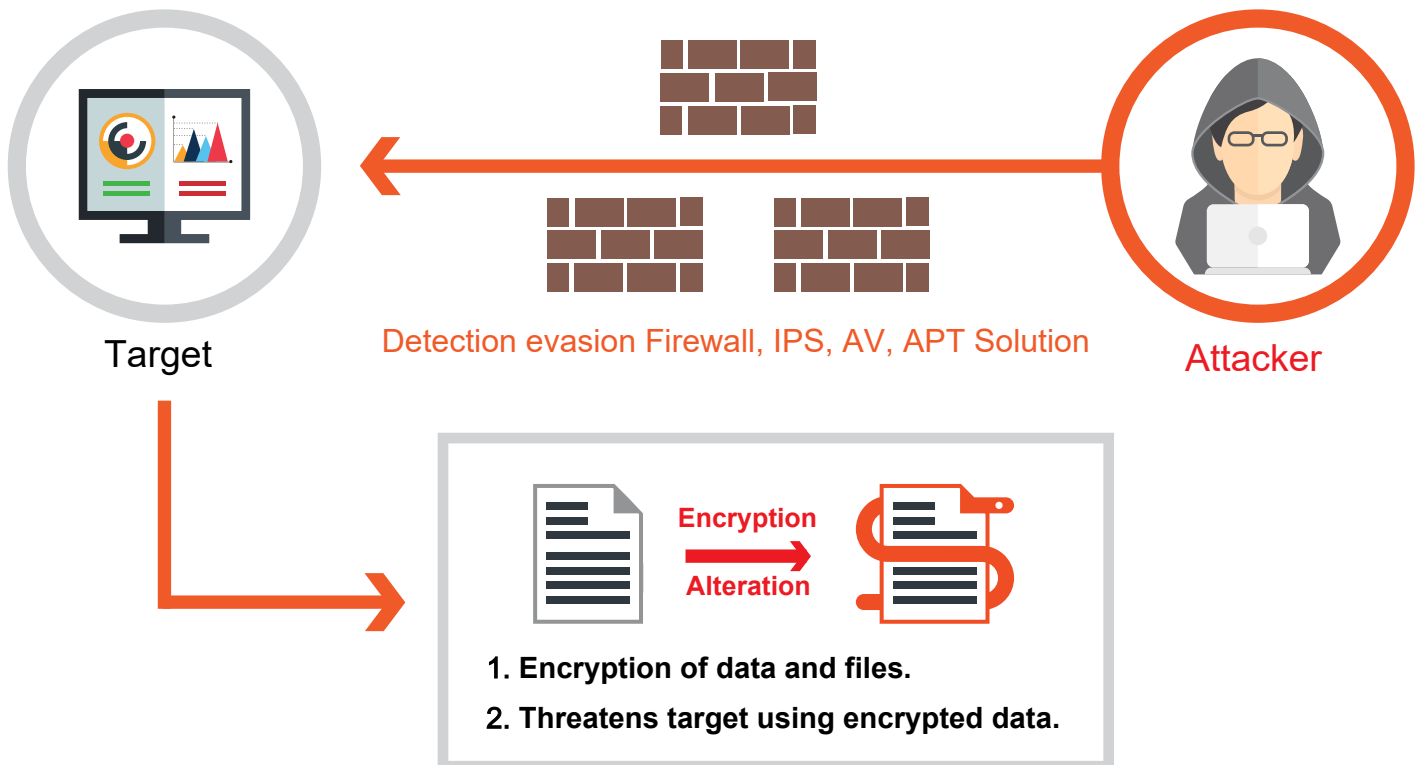
Bleeding Edge Context Aware Engine “CARB”

**AppCheck Pro based on CARB Engine provides
integrated solution, protecting customer data
and intellectual properties from highly
sophisticated ransomwares.**



About Ransomware

Ransomware is advanced security threat, encrypting data and files, affecting continuity of work. It is sophisticatedly designed to evade detection from firewalls, IPS, AV, and even sandbox based APT solutions.



About CARB Engine (Context - Awareness based Ransomware Behavior Detection)

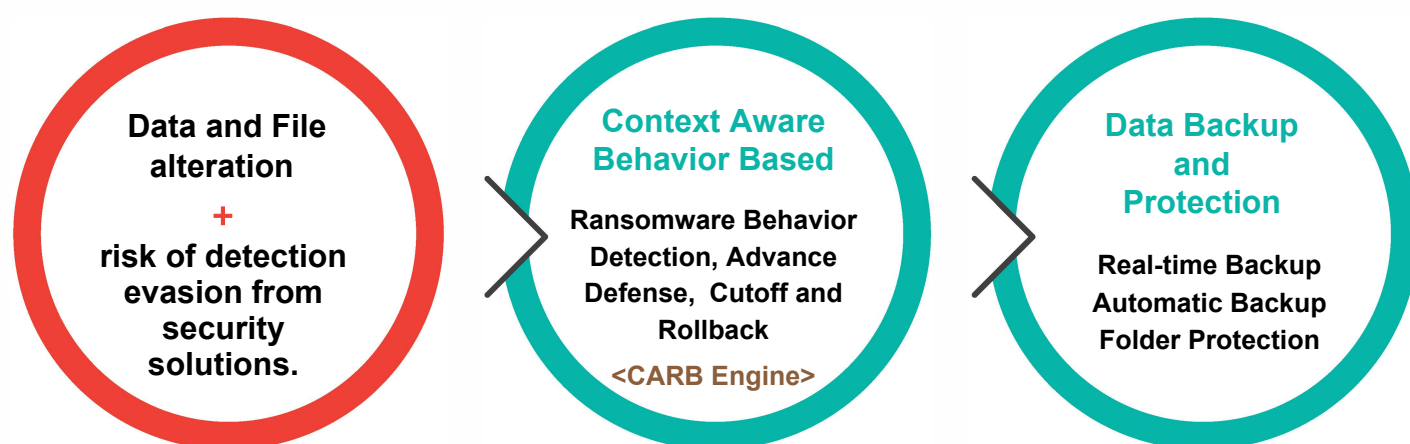
Signature/Behavior based solutions are almost impossible to protect from highly sophisticated security threat like ransomwares.

1. Ransomwares are distributed as unknown state except one or two antivirus world-wide. (from Virustotal)
2. Behavior detection from antivirus is easily evaded and has difficulty from its variations.

CARB Engine provides exquisite detection of file alteration from ransomware, differing from conventional signature/behavior based engines.

How does it work

AppCheck Pro can support protection with ransomware types of file encryption and destruction, can support step by step tracing of every behavior activity with accurate detection, protection and automatic recovery. Additionally, AppCheck Pro is providing functions of integrated folder protection and real-time & scheduled backup, providing top level safety for customer data protection.



CARB Engine

Detection under multiple and different contexts	Signature based	Behavior based	Context-Awareness Behavior based
Signature evasion variation detection	×	○	○
Decoy file encryption detection	×	△	○
Decoy file evasion file encryption	×	×	○
Extension evasion and encryption (trace file change)	×	×	○
Decryption payment information file deletion (rollback file creation)	×	×	○
Recovery of encrypted file before detection. (File alteration rollback)	×	×	○
Non-encryption file alteration detection (File alteration detection)	×	×	○
Normal file edit/alteration behavior awareness (change analysis)	×	×	○
Create/Change/Overwrite/Delete Context aware analysis	×	×	○
Trace of process behavior	×	×	○

| Main Features



Advance Ransomware Protection

Thanks to CARB Engine, detection and removal of ransomware and file recovery is done automatically.



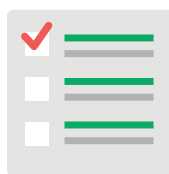
Ransomware Shelter

In detection of file alteration, original copy is stored to ransomware shelter, provides data protection.



Automatic removal and remediation of ransomware

Selective automatic remediation of files created by ransomware detected from ransomware behavior analysis



Detailed Logging

System inspection results, quarantine, threat logs, normal logs are categorized and detailed recovery and remediation logs are provided.



Automatic backup

Periodically backup specified folder including change history providing additional layer of protection.



Folder Protection

Files in Ransomware Shelter and Automatic Backup Folders are protected from changes or deletion.

| Benefits

1. Protection of important data and folders and automatic backup and recovery.
2. Effective solution of ransomware protection with advance defense technology.
3. Process based engine provides flexibility from variety attacks and recovery, unlikely from signature based.
4. Cost effective software solution integrated advance protection and automatic backup.
5. Highly optimized driver requires small amount of system resources, makes possible to deploy on low-end systems.
6. Very light weight, and no engine update solution makes easy to deploy on large enterprise scale.
7. Conflict free with antivirus and other security solutions, strengthens up security complementary.