GUARDPOT

Deception Platform

AVOSEC

GUARDPOT

Contents

What is a Honeypot?

Honeypot systems are specialised security solutions configured to mimic a real computing environment for the purpose of detecting cyber attackers, analysing their behaviour, and generating threat intelligence. These systems divert attackers away from real systems by luring them into isolated, controlled environments where all actions are carefully recorded.

Recorded data includes:

- Real IP address and geographic location
- Tools and attack methods used
- Usernames and passwords attempted
- Command and control (C2) connections
- Attempts at persistence or data exfiltration

This intelligence is transformed into critical insights that help organisations understand threats and strengthen future security measures, making cyber defence proactive rather than reactive.

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Guardpot

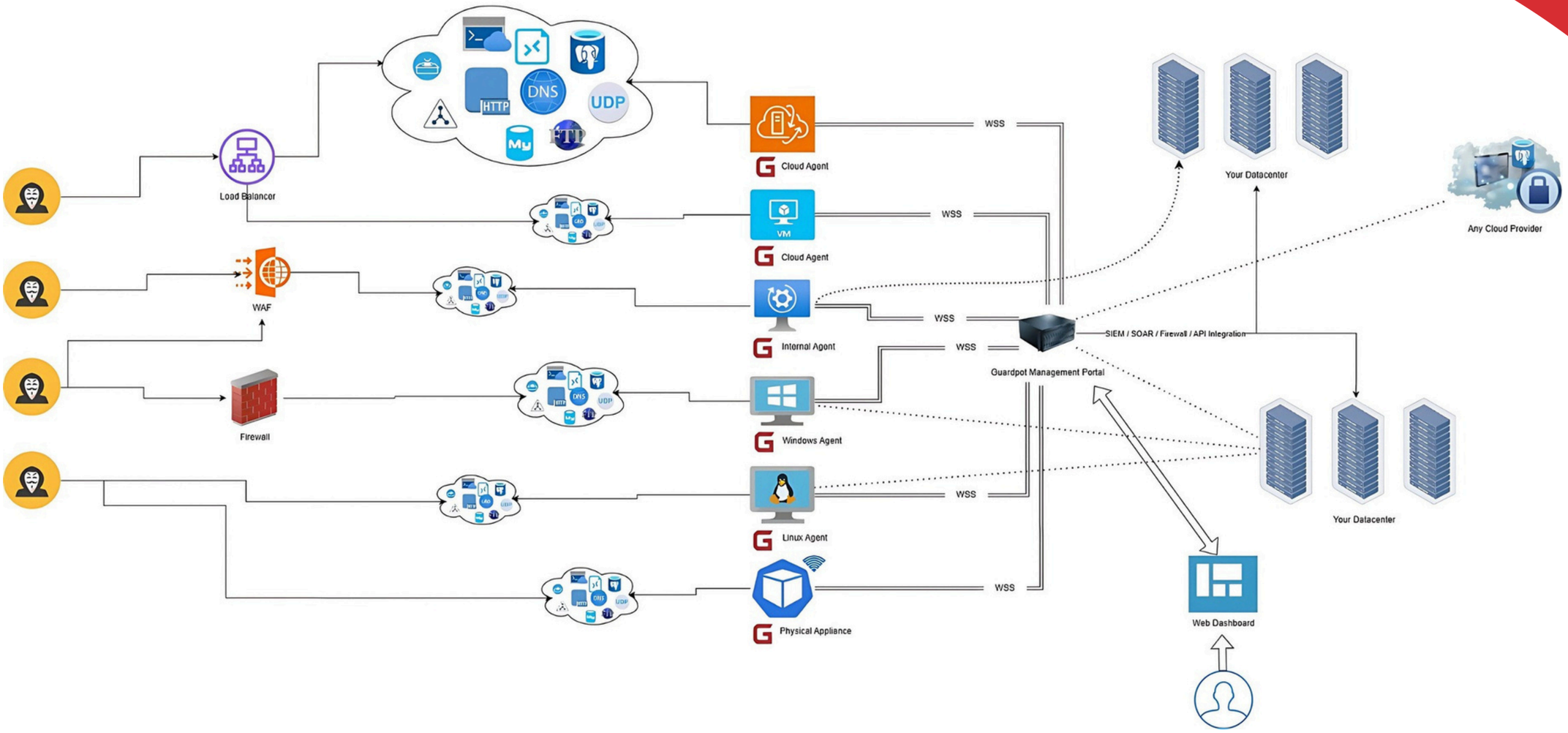
Guardpot lures attackers into an isolated environment that appears to be a real system, analyzes all their actions in detail, and converts this data into real-time threat intelligence.

It deceives the attacker by simulating operating systems like Linux and Windows, and services like SSH, FTP, and Web one-to-one. While the attacker thinks they have breached the system, all their behaviors, from the passwords they attempt to the tools they use, are recorded. This information is analyzed instantly, and suspicious IPs are automatically blacklisted.

By default, Guardpot collects threat data from over 50 countries. This global data pool, combined with custom-generated IoCs (Indicators of Compromise) for you, provides a stronger defense.

It works integrated with SIEM and firewalls, making internal threats and vulnerabilities visible before they even materialize. Guardpot is not just a trap; it is a strategic component of active defense, behavioral analysis, and cyber intelligence.

Guardpot Diagram



The First Line of Defense

The Misconception

Honey pot systems are often seen as "a luxury security tool to be acquired in the final stage.

The Reality

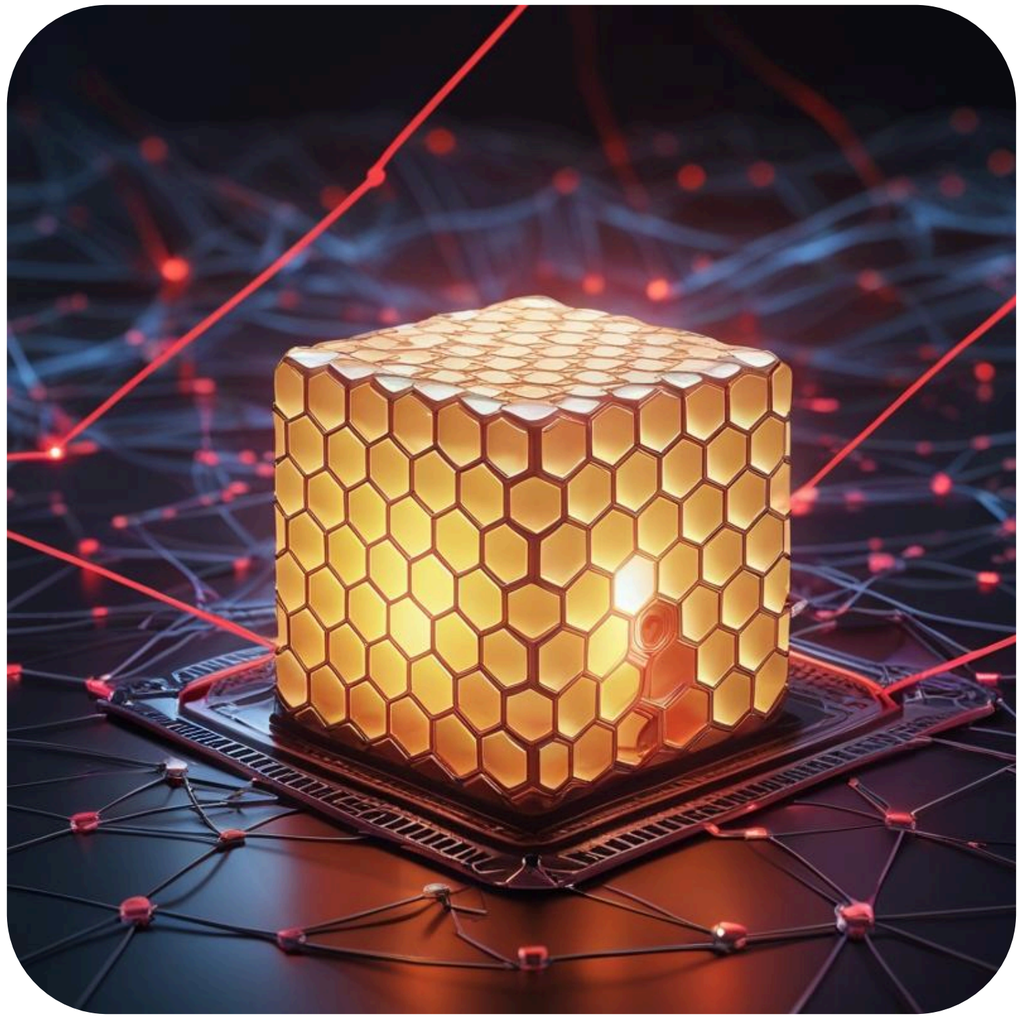
When Guardpot is positioned at the very front of the system:

- It catches the attacker at the network's outer gate
- It analyzes their behavior and reveals their identity
- It isolates threats without burdening other security layers
- It reduces detection time to minutes, or even seconds

"If a Firewall is a fire extinguisher, Guardpot is a smoke detector: It warns before the fire starts, and the attacker is neutralized before they can even touch the system."

The New Approach

Guardpot should be the first point of contact in the security architecture. Because the best defense now is to monitor the attacker without letting them in.



Behavioral Analysis

Objective

To uncover not just the attacker's IP, but their intent and methods.

What is Analyzed?

Attack Method: Brute-force, dictionary, exploit attempt, port scan
Timing: Active hours, repetition interval, persistence
Commands and Movements: Which directories are accessed, which commands are attempted.
Service Target: Which services are being forced (e.g. SSH, FTP, HTTP)
Tools: Nmap, sqlmap, custom payloads
Source Country / Location: Geographical analysis
Proxy/Tor Usage: Level of anonymity
Behavioral Pattern: Human or bot? Targeted or random?

Outcome

- Similar attackers are matched through automatic profiling.
- Suspicious behaviors are detected early with AI-supported analysis.
- The attacker's character, not just their identity, is defined.
- Contextual, meaningful alerts are generated for security teams.

New Features

VGN– Virtual GuardedNetwork

Provides a chained VPN architecture with a multi-step tunneling structure. It ensures complete anonymity by hiding the user's IP and creates a secure communication infrastructure.

Secure Link

Generates encrypted links for the secure sharing of sensitive data. It minimizes the risk of data leaks with time-limited and single-use access links.

Web Surface

Maps the organization's internet-facing surface by scanning for open ports and services. It identifies risky configurations through visibility analysis and enables quick action.

General Benefits

- In-depth analysis, expanded security coverage
- Effective control against both external and internal threats
- Proactive defense, system visibility, and sensitive data
- security all in one

New Features

4.G-Token

Guardpot provides multiple types of realistic deception baits that mimic real files and configurations. When any bait is accessed, Guardpot logs the source details and sends instant alerts through your chosen channels.

Available bait types include:

- Web application vulnerability baits (Web Bugs)
- QR code baits
- Word and Excel document baits
- Executable (.exe) baits
- OpenVPN & WireGuard config baits
- Kubernetes (K8s) config baits
- JavaScript & CSS website clone baits

Baits can be deployed manually or automatically to targeted endpoints via Active Directory integration.

Success Story Snippet

Guardpot was integrated in to an environment as a one-to- one replica of the externally-facing mailsystem. Within the first 24 hours of installation:

- It was observed that system administrators' correct passwords were being attempted.
- System administrators changed their passwords due to the possibility of a password leak.
- Shortly after, the new passwords also began to be tested on Guardpot.
- Thanks to LDAP integration, very rapid action was possible; real password attempts were automatically reported to system administrators via notification channels.
- It was discovered that the attacker had established persistence in a way that could replicate the Active Directory database.

The attacker was already inside, monitoring passwords and cloning Active Directory.
Guardpot made them visible for the first time.
Due entirely to real user behaviors, no alarms had been generated in the organization, which had end-to-end EDR, XDR, NGFW, Standalone IPS, and WAF deployments. Illuminate your blind spots with Guardpot!

User Experience

Ease of Integration

- Full installation time: 60 minutes on average
- Simple integrations for SIEM/SOAR/Firewall
- Cloud/On-Prem support

Operational Gains

- Organization-specific IoC database.
- Early detection of password vulnerabilities.
- Ability to monitor targeted attacks.
- Mapping of the security infrastructure.

Most-Liked Features

- Automatic blacklisting.
- Activity tracking screens.
- Live attack monitoring.
- Anonymization with VGN.

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Thank You

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