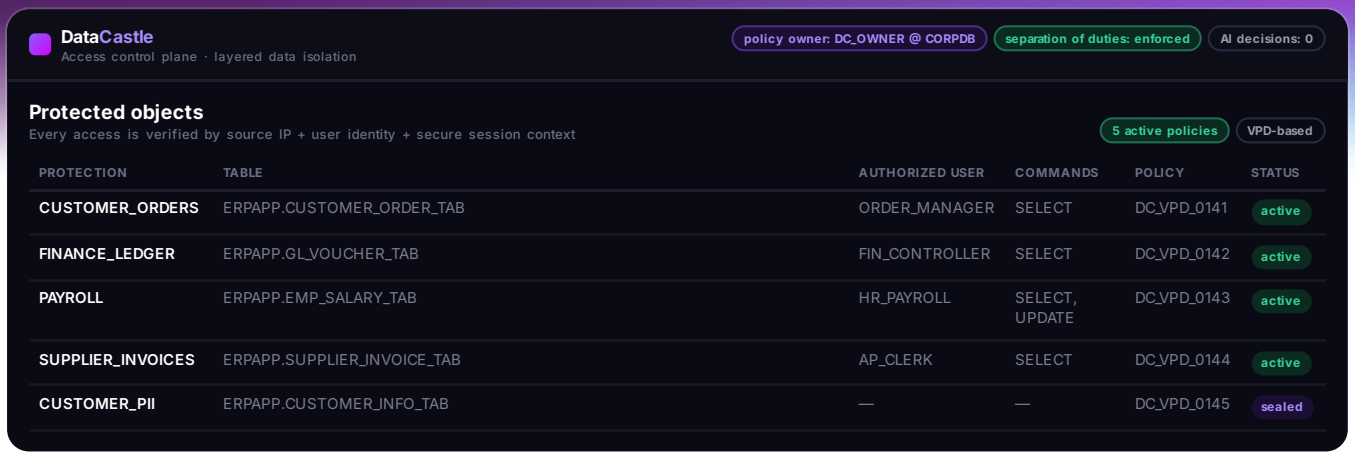
Data Castle

dbo BİLGİ TEKNOLOJİLERİ

Data security built for the AI era.

Data Castle is an integrated security solution that closes database access **in one architecture, from the network layer down to the table layer.** Every access decision is rule-based and 100% deterministic — **whether the caller is a human, an application or an AI agent.**



Your database is no longer reached only by people. Your security model still assumes it is.

For years database security was built to answer a single question: is this user authorized? **But the connection may now be opened by a copilot, an integration or an agent — with an authorized identity and a manipulated request.**

Data Castle trusts context, not identity — no client reaches protected data unless source IP, user identity and a secure session context are all verified together. A compromised AI agent included.

No Database Vault, Audit Vault or Firewall licence needed.

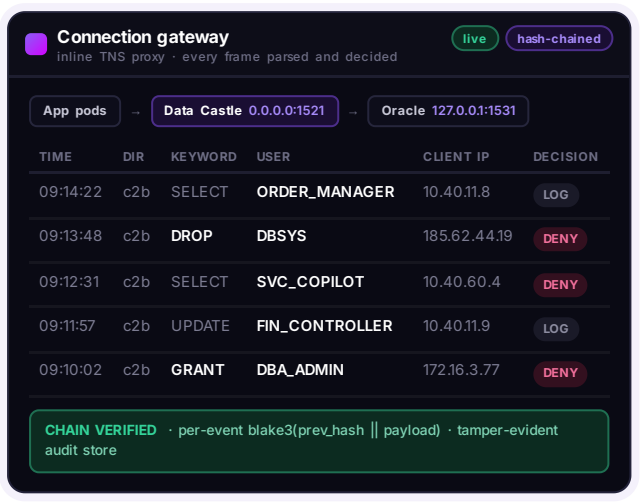
No change to your existing architecture.

No access decision left to a model.

THE PRODUCT

What changes on day one.

Data Castle is not a Vault imitation, and it is not a general-purpose security layer. It builds protection across three layers at once: **as the connection opens, as the table is read, and when someone tries to change the policy.**

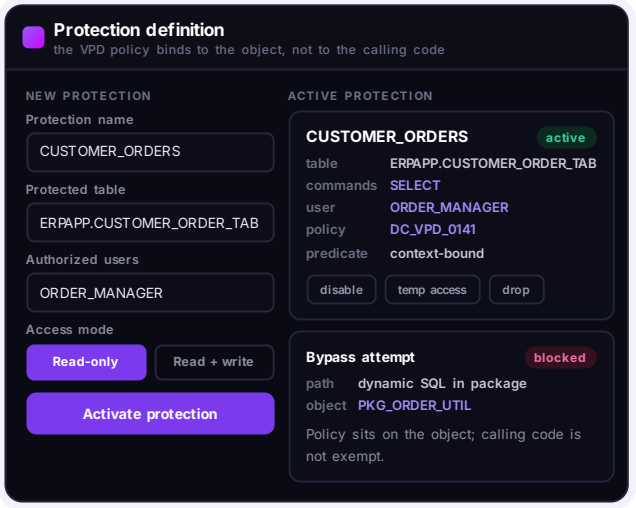


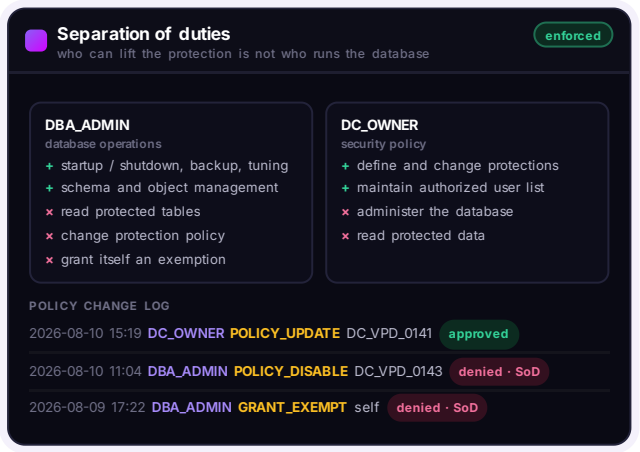
Network layer: one door

Every connection to the database passes through a single gate. Including administrators connecting remotely, **no off-box access can bypass this layer.** Traffic is monitored in real time and unauthorized connections are cut immediately. Every TNS frame is parsed and every decision written into a **tamper-evident audit chain**: each event is bound to the previous one with blake3, and chain integrity is verifiable with a single command.

Table layer: three conditions together

Access to protected tables depends on source IP, user identity and a secure session context being verified **all three at once.** Protection is built on the standard **VPD capability** of Enterprise Edition, and the policy binds to the object itself — not to the calling code. That is why it cannot be bypassed through packages, procedures or dynamic SQL.





Non-removability layer: separation of duties

The privileges that could lift the protection — exemption privileges included — are held apart from the DBAs who run the database. The identity doing daily operations and the identity able to change security policy are **never the same.** Even if a powerful administrator account is compromised, no one can alter the protection rule alone.

ARCHITECTURAL CONSTANTS

3
protection layers: network, table, non-removability

100%
deterministic access decisions — no guesswork, no model

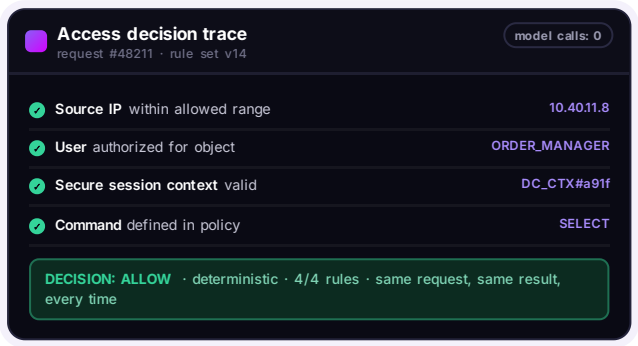
0
bypass paths: packages, procedures and dynamic SQL included

0
dependency on separately licensed Vault or Firewall

BUILT AGAINST THE AI ERA

The caller does not matter.

More AI agents and copilot integrations reach databases every month. That is a new attack surface: prompt injection, over-privileged AI access, a model manipulated into pulling data it should not. Data Castle is closed to this risk from two directions.

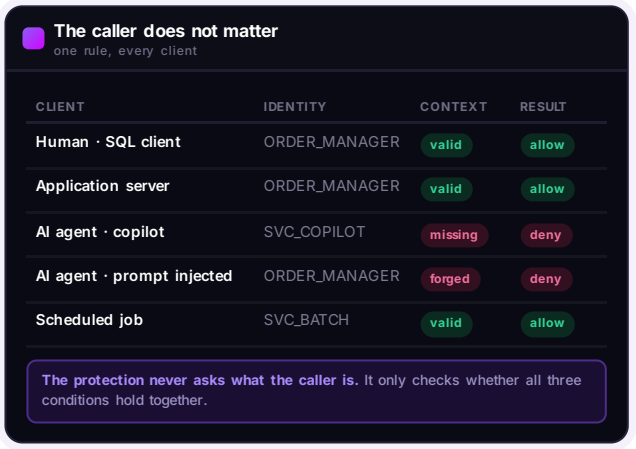


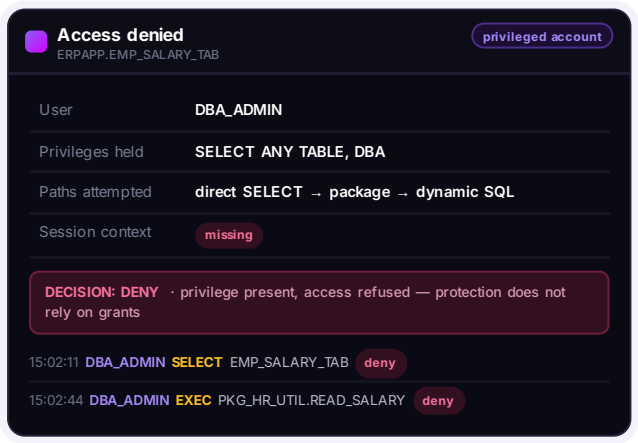
No AI in the decision layer

Access decisions rest on no AI model and no probabilistic guess. They are rule-based, 100% deterministic and repeatable; the same request returns the same result every time. That gives you **full defensibility in front of financial regulators and supervisory authorities.** Your security product is not itself a black box, and the extracts an auditor asks for arrive already mapped to their articles.

No trust in the client

The protection does not trust whether the connecting software is a human, an application or an AI agent. No client reaches protected data until source IP, user identity and session context are verified. **A compromised or manipulated agent is no exception to this rule.**





Blocking administrator privilege

Privileged and shared users — **DBAs included** — are blocked from protected tables at the database level. AI integrations usually run under broadly privileged service accounts; with Data Castle those privileges are no longer a guarantee of access.

REGULATOR-READY REPORTING

Banking
Event summaries and sample ids mapped to supervision articles

Data protection
Personal-data articles, right-to-erasure and data-masking findings

PCI DSS v4
Audit-log requirements 10.2.1 / 10.2.2 / 10.2.4 / 10.2.7

Privileged access
DBA, SYS, SYSTEM and SYSDBA access with last-activity stamps

contact@dbotech.uk

For every installation holding sensitive data.

Runs without changing your architecture.

Business units know the data is protected. Security, audit and IT teams get the determinability, separation of duties and audit trail they need to sign off.

Value for every team

Without touching your existing architecture, from day one. ***Example use cases:***

- **Information security**
  Privileged account risk closes at the database level; DBA privilege no longer means access to data.
- **Internal audit and compliance**
  Every access decision follows explicit, repeatable rules — defensible in front of financial regulators and supervisory authorities.
- **Database operations**
  Daily DBA work is unchanged; security policy moves to a separate identity and accountability becomes clear.
- **Application teams**
  Because protection works at object level, application code does not change and carries no extra integration risk.
- **AI and integration projects**
  Copilot and agent integrations cannot reach protected data even when they run under broadly privileged service accounts.
- **Finance and procurement**
  Requires no Database Vault, Audit Vault or Firewall licence.

Trust and control

Your infrastructure. Your rules. Your data.

- **Three-layer protection**
  Network, table and non-removability layers work independently; all connections pass one gate and anomalous ones are cut in real time.
- **No model in the decision layer**
  100% rule-based, deterministic and repeatable. The outcome is predictable.
- **Bypass paths closed**
  The policy binds to the object; packages, procedures and dynamic SQL fall under the same control.
- **Separation of duties**
  The privilege to change a policy or grant an exemption is separate from the identity running the database.
- **Tamper-evident audit trail**
  Every access attempt and policy change is logged and bound to the previous event with blake3; chain integrity is verifiable.
- **On standard infrastructure**
  Built on the standard VPD capability of Enterprise Edition; requires no additional licence option.

Free
Security assessment

Start with a 30-minute technical call. We scan the privileged access and bypass paths in your current installation together. At the end you receive **a findings report showing which tables are reachable through which paths. No cost. No commitment.**

Book a 30-min slot →

or reply to contact@dbotech.uk