

NOVAK PROTOCOL LAWS

Law L5: Execution Binding (HVET)

The Immutable Identity of Action

Authoritative Edition

L5 Definition



"NOVAK binds rule, data, and output into a single immutable identity: the **Execution Identity Receipt**."

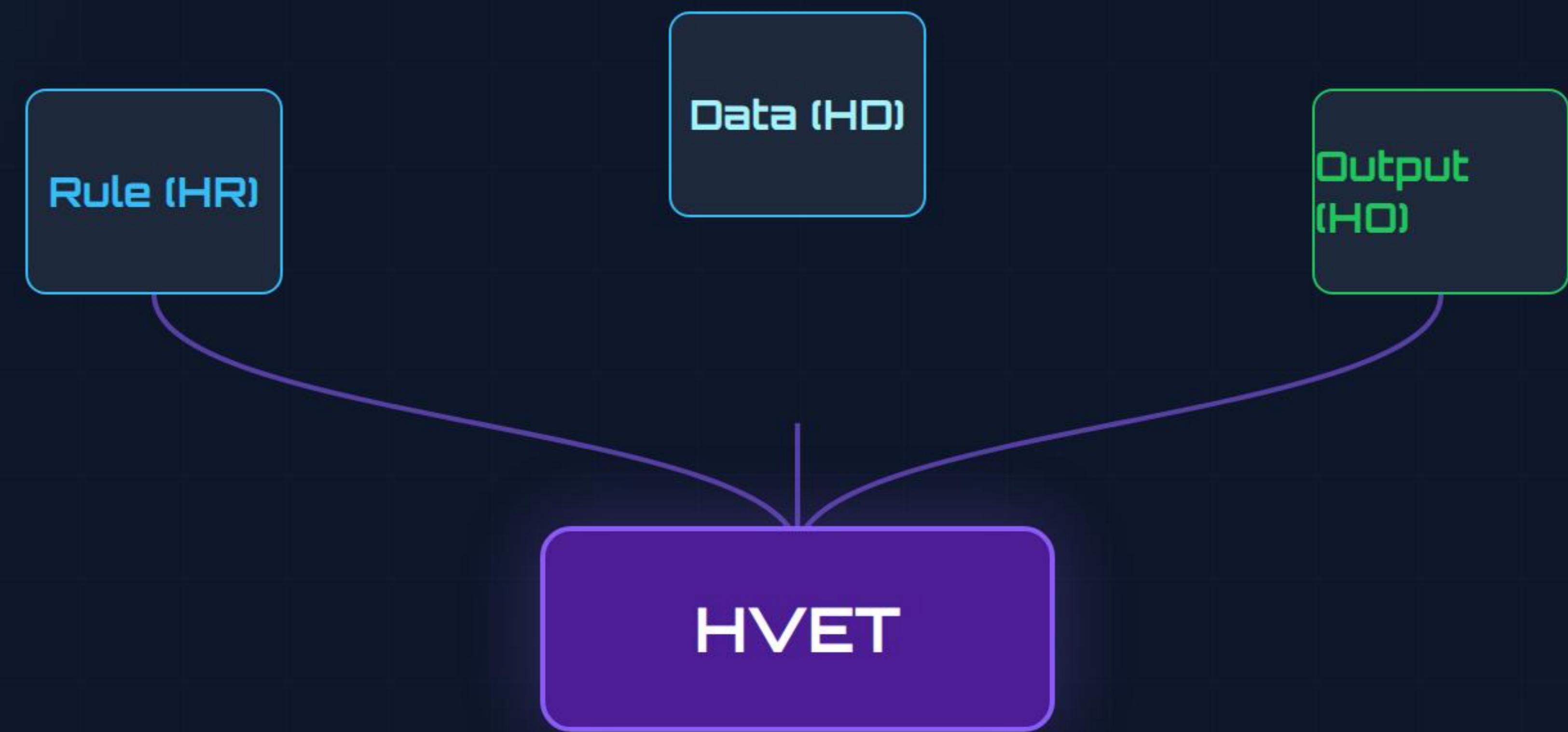
The Binding Equation

The Trinity (L2+L3+L4) becomes One.

$$HVET = \text{Hash}(HR + HD + HO)$$

This hash represents the complete truth of the event.

Cryptographic Fusion



Three inputs enter. One hash leaves.

The "Identity Receipt"

The HVET acts as a permanent receipt for the execution.

- ⌚ **Unique:** Specific to *this* exact moment.
- 👤 **Verified:** Proven mathematically.
- 📁 **Portable:** Can be stored anywhere.



Preventing "Mix & Match"

Without binding, attackers swap components.

The Attack

Take **Valid Rule A**.

Take **Valid Input B**.

Attach **Fake Output C**.

System accepts it as "Valid parts".

The NOVAK Defense

$\text{Hash}(A + B + C)$ does not match expected HVET.

REJECTED.

The HVET Object



Contains Rule Hash

Contains Data Hash

Contains Output Hash

Contains Timestamp

Total Immutability



Once an HVET is generated, it is:

- 🔒 **Irreversible:** Cannot be undone.
- ⌚ **Eternal:** Becomes part of the RGAC chain.
- ⌚ **Auditable:** Forever verifiable.

Summary



Execution
Binding

The Unified Truth

L5 combines the disparate parts of a computational event into a single, unbreakable, cryptographic object: the HVET.

Questions?

NOVAK Protocol Standards Series

Law LS: Execution Binding (HVET)