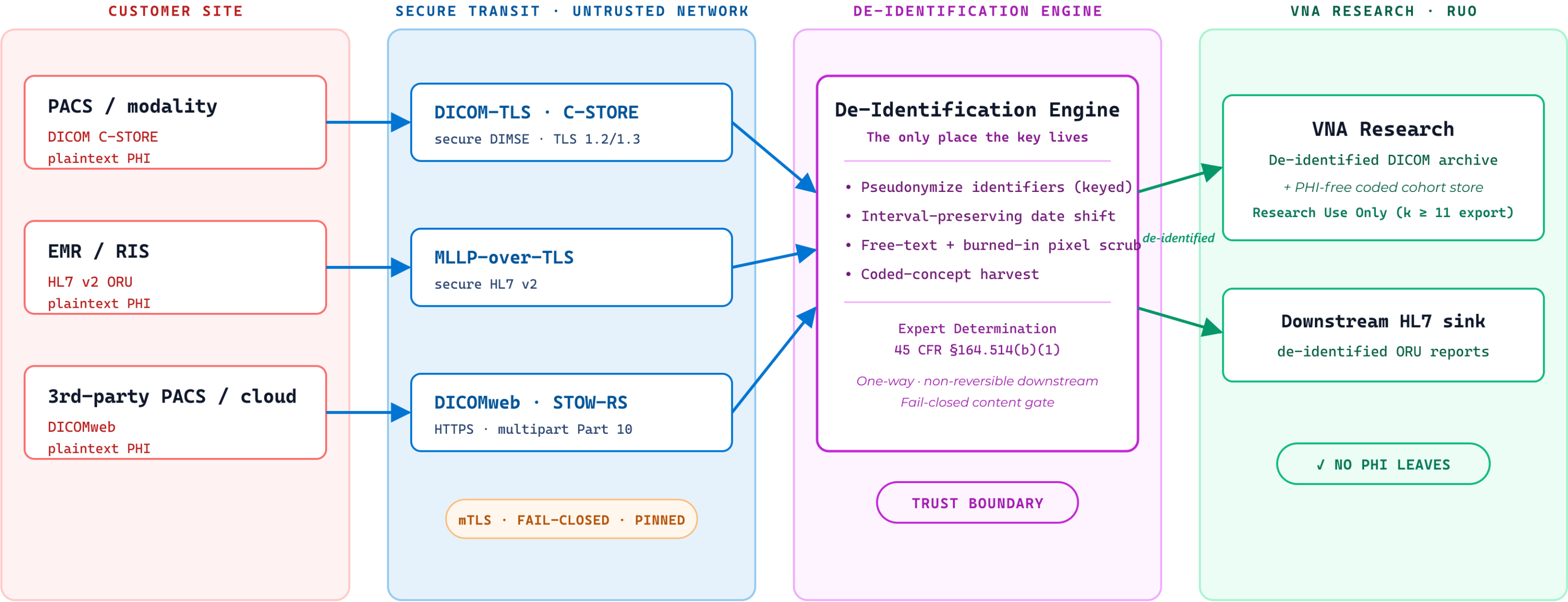


XyDromatics De-Identification Engine – Secure Cross-Network Ingest

Raw PHI in over an authenticated channel · de-identified at the trust boundary · only de-identified output leaves

Synthology Healthcare Solutions Group
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The guarantee, in four properties

Mutual TLS · SHA-256 client-cert pinned

Fail-closed · rejected before any parse

Re-identification key never crosses the wire

De-identified output is Research Use Only

The engine is the trust boundary

Raw PHI arrives only inside a mutually-authenticated, encrypted channel. It is de-identified in place at ingress, and only de-identified output ever leaves – the re-identification key lives on the engine alone and never travels with the data, so nothing downstream can re-identify it.
Cross-protocol pseudonym + date-shift alignment means reports land on their study's timeline – with no correlation table.

Two deployments, one guarantee

Synthology-hosted (cloud): push over a secure channel; no PHI and no key ever persist in the cloud.
Customer-operated (on-prem): run the whole chain inside your network. Same trust boundary either way.