

EMPLOYEE DIGITAL TWIN ATTACK SURFACES

How AI replicas of employees introduce new vectors for identity compromise

4 LAYERS OF IDENTITY RISK

An employee digital twin (EDT) is a composite model built from four distinct layers of identity, each representing a different dimension of how an employee works and each introducing its own attack surface.

LAYER 1 Knowledge (What they know)

Functional expertise Knowledge extraction and theft

LAYER 2 Personality (How they communicate)

Communication and interaction style Social engineering attacks at scale

LAYER 3 Mindset (How they think)

Way of thinking Decision manipulation

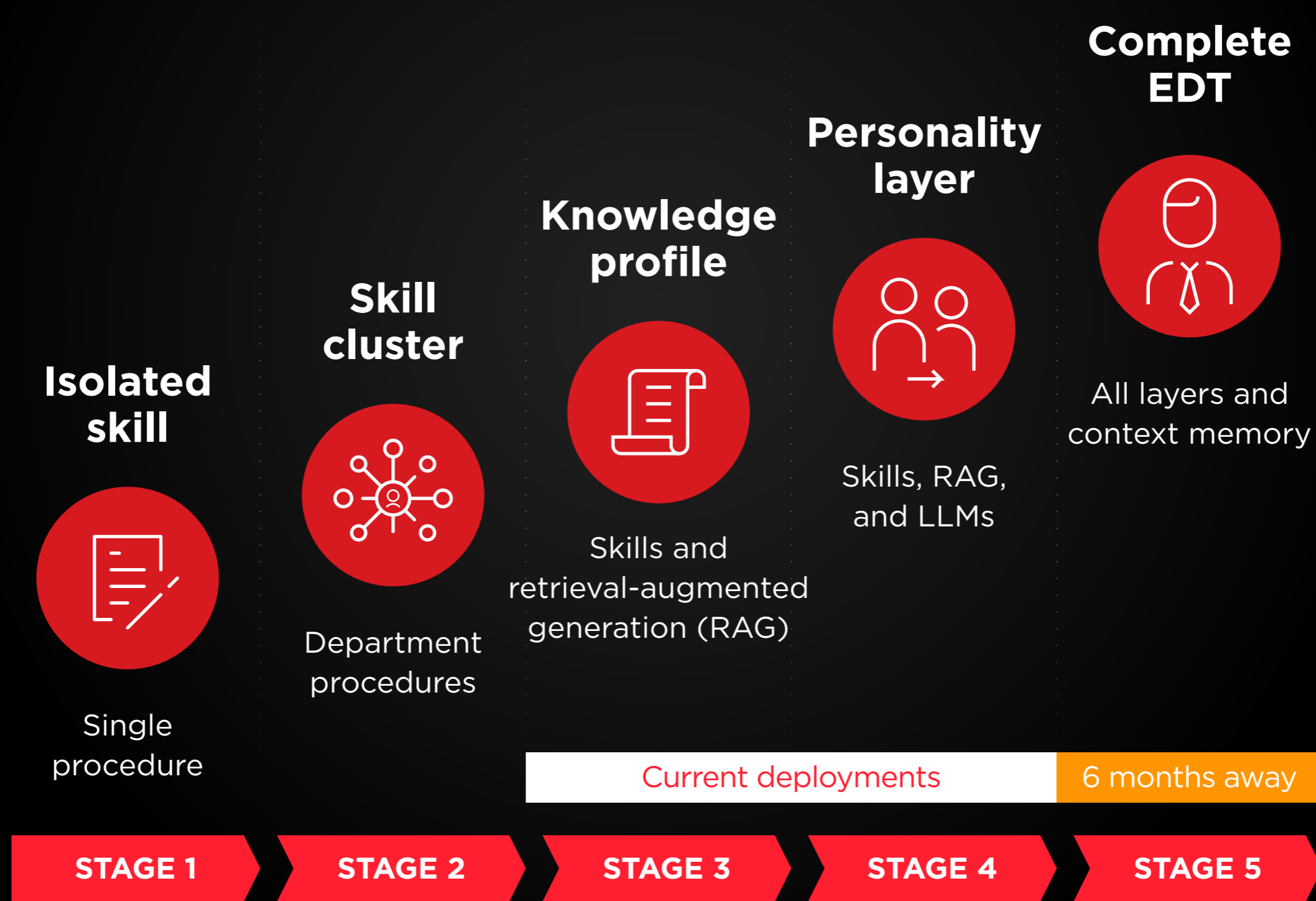
LAYER 4 Trust (Who defers to them)

Relationship patterns and social role Trust exploitation

i BASIS **!** PRIMARY RISK

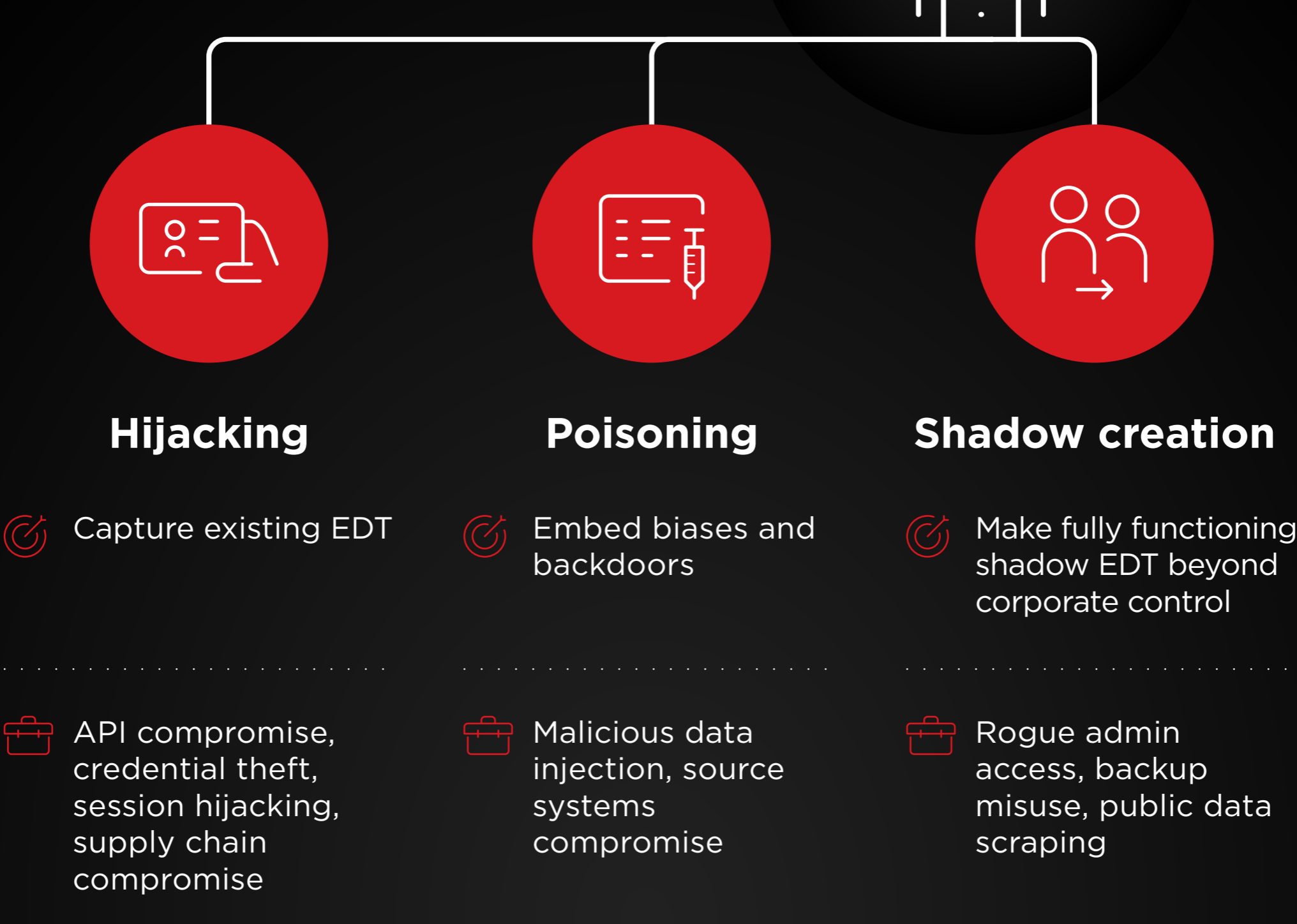
EVOLUTION OF EDTs

EDTs emerged through a progression of AI developments, with each iteration of AI tools becoming more personalized and autonomous.



3 PRIMARY ATTACK VECTORS

Attackers can target EDTs through multiple vectors, each with distinct goals and methods.



THE FUTURE OF EDT THREATS

