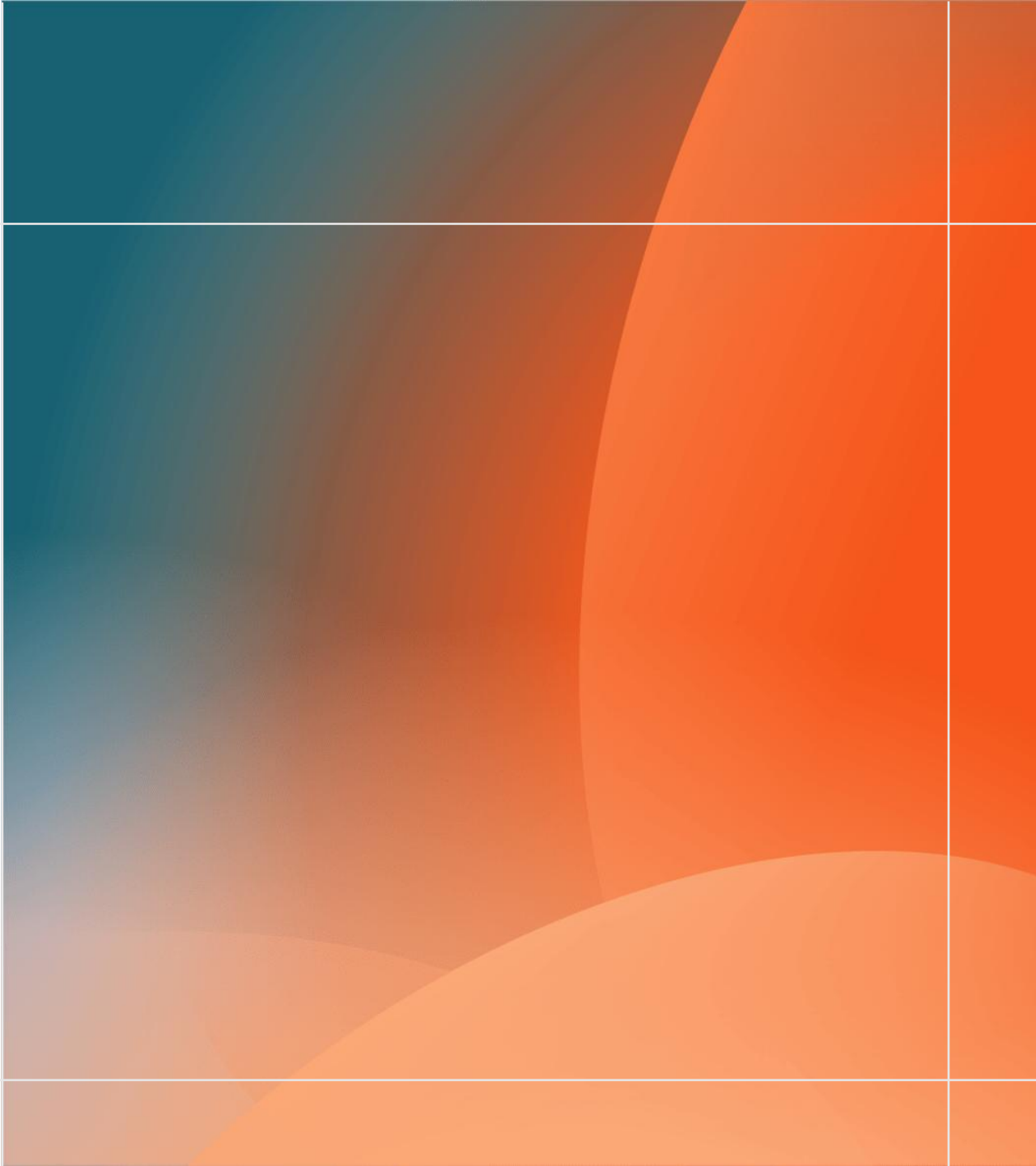


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WEBINAR • HOSTED BY AVOLUTION

From AI pilots to enterprise scale

The architecture that closes the gap



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THE STATE OF PLAY

Investment is soaring. Scale is not.

AI initiatives rarely die from bad models. **They die from missing architecture.**

Three quiet killers

01

Fragmented data estates

Silos and broken lineage mean AI can't get trustworthy inputs at the scale production demands.

02

Misaligned governance

Controls bolted on after the fact, so safety and speed end up fighting each other.

03

No coherent blueprint

Every team builds its own way and nothing connects - so nothing compounds into scale.

None of these show up in a pilot. **All of them show up in production.**

WHAT YOU'LL LEAVE ABLE TO DO

Four moves that close the gap

1

Turn strategy into executable architecture

Map AI ambitions to capability models, roadmaps and delivery blueprints teams can build to.

2

Eliminate data fragmentation

Find and close the silos and governance gaps that are the single biggest blocker to scaling AI.

3

Align AI to business outcomes

Connect every initiative to measurable value - clearer prioritisation, investment and confidence.

4

EA as trusted advisor and guardrail

Move beyond documentation to set the standards and safeguards that let AI move fast, safely.

Part 1

The strategic case

Why promising pilots stall at scale

Most AI journeys start the same way: an isolated, solution-led experiment. Automate a contract. Pilot a chatbot. It shows quick ROI - and then adoption grows, and the hard questions arrive.

? Are we duplicating work across teams?

? Which initiatives actually align to strategy?

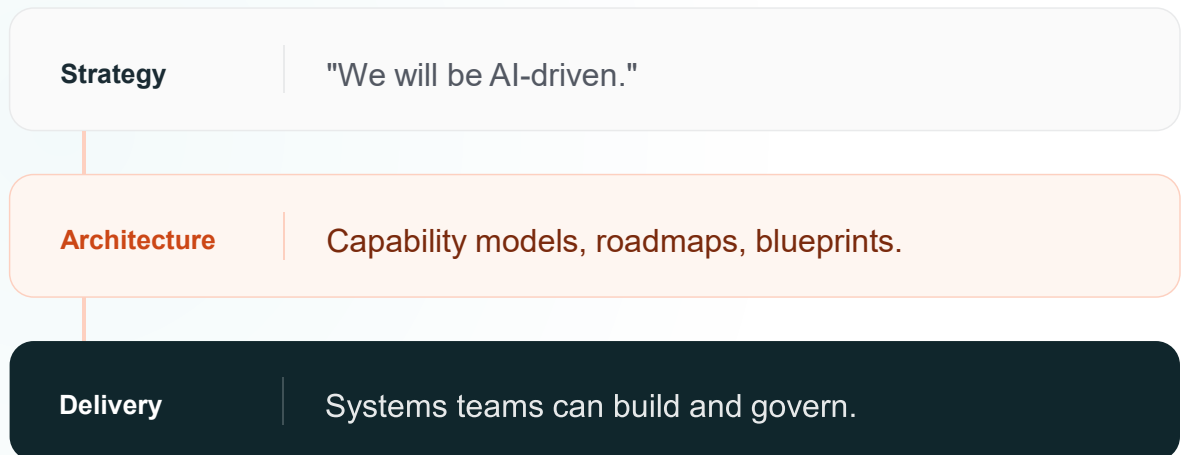
? How do we manage compliance, governance and risk?

A strategy deck is not a blueprint

Most AI strategy stalls as slideware.

The ambition is there, but it never gets translated into the things teams can actually build. The gap between "we will be AI-driven" and a system someone can ship is the issue.

FROM AMBITION TO BUILD



WHAT "GOOD" LOOKS LIKE

A traceable line from ambition to delivery

01

Business ambition

The outcome the organisation is actually chasing.

02

Capability

What the business must be able to do to get there.

03

Systems

The applications and services that deliver the capability.

04

Data

The trustworthy, governed data that makes it work.

If you can't trace it, you can't scale it - and you can't govern it.

THE #1 BLOCKER

Data fragmentation stalls every initiative

Production AI needs trustworthy data at scale. But the estate is full of silos, undocumented lineage, and unclear ownership - so the model that shone in the pilot starves in production.

From ~~"Where is the data?"~~

To **"What's the flow, who owns it, and is it fit for AI?"**

FOUR GAPS THAT QUIETLY STALL AI

- **Silos**- data trapped in disconnected systems
- **Lineage**- no record of where data came from
- **Ownership**- no one accountable for quality
- **Governance**- no controls on use and access

Why fragmentation hurts AI more

01

Garbage compounds

Traditional reports tolerate messy data. AI learns from it - bad lineage becomes bad outputs, at machine scale and speed.

02

Failure is invisible

A broken report looks broken. A confidently wrong model looks fine until it has already acted on thousands of decisions.

03

Exposure multiplies

Every ungoverned data flow into a model is a compliance and security surface you can't see.

Too many pilots, no shared way to choose

When every team runs its own AI experiment, prioritisation becomes a popularity contest. The fix is to connect each initiative to measurable business value - so investment decisions rest on **evidence, not enthusiasm.**

WHAT ALIGNMENT UNLOCKS

Prioritisation

Rank initiatives by value and feasibility, not who shouted loudest.

Investment

Fund what moves outcomes; stop what doesn't.

Confidence

Give stakeholders a defensible basis for every decision.

Model the things traditional IT ignores

Accuracy & hallucination

LLMs are probabilistic. You have to monitor accuracy and hallucination rates as first-class attributes, not afterthoughts.

Training-data provenance

Where did the data come from, and are you allowed to use it? Provenance is now an architectural property.

Ethics & dependencies

Bias, oversight, and hard dependencies like GPU and model supply have to be visible in the architecture.

THE ROLE SHIFT

EA as trusted advisor and guardrail

The enterprise architect's job is changing - from documenting what exists to actively shaping what comes next. Not the team that says no, but the team that defines how to say yes safely.

FROM

Documentation

A record of the past, updated after the fact.



TO

Strategic partner

Standards, boundaries and safeguards set up front - so innovation moves fast within them.

To do this in practice, four things live in one place

1

Model it

Capabilities, roadmaps and delivery blueprints - one connected model, not scattered decks.

2

Connect it

The data estate mapped: flows, lineage and ownership, kept current automatically.

3

Value it

Every initiative scored on cost, risk and business value to drive prioritisation.

4

Govern it

Standards and controls as a living part of the architecture, with compliance you can see.

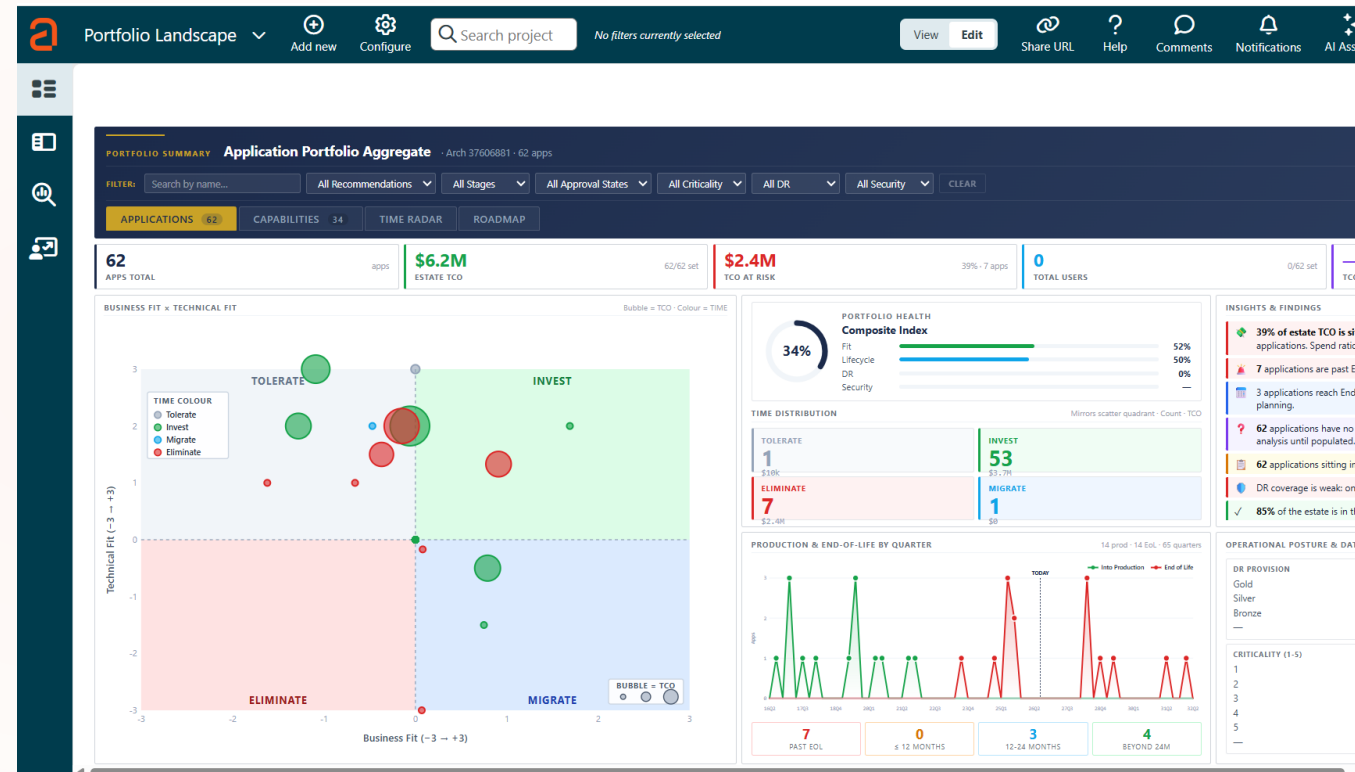
Part 2

ABACUS by Avolution

Turn ambition into a connected model

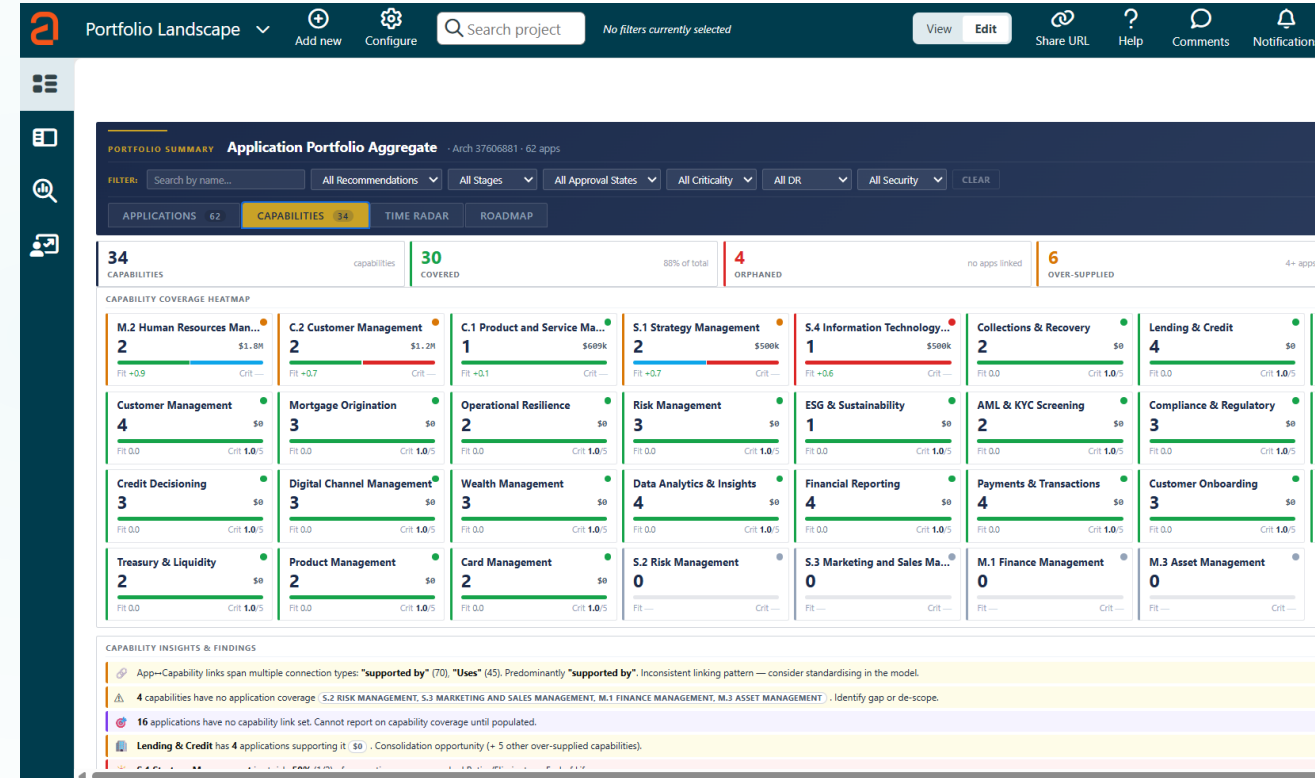
Don't reinvent an "AI strategy."

Reuse the EA artefacts you already have - capability maps, value streams and roadmaps - and extend them to AI. ABACUS turns ambition into capability-based plans, with roadmaps and transformation scenarios as the executable blueprint teams build to.



See AI-readiness across the business

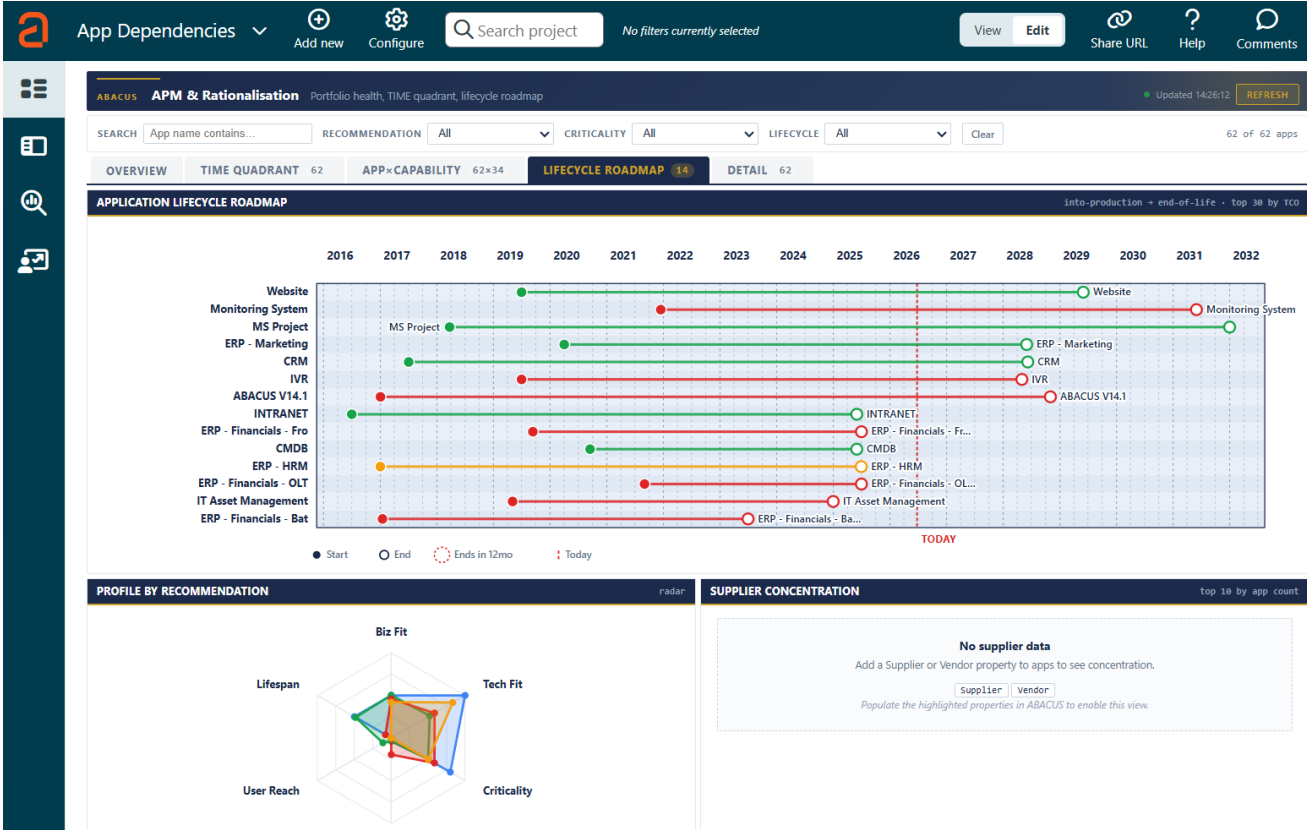
Overlay readiness - data quality, governance, capability maturity - onto the capability map, so you can see where AI can scale now and where the foundation isn't ready yet.



Model the estate as it really is

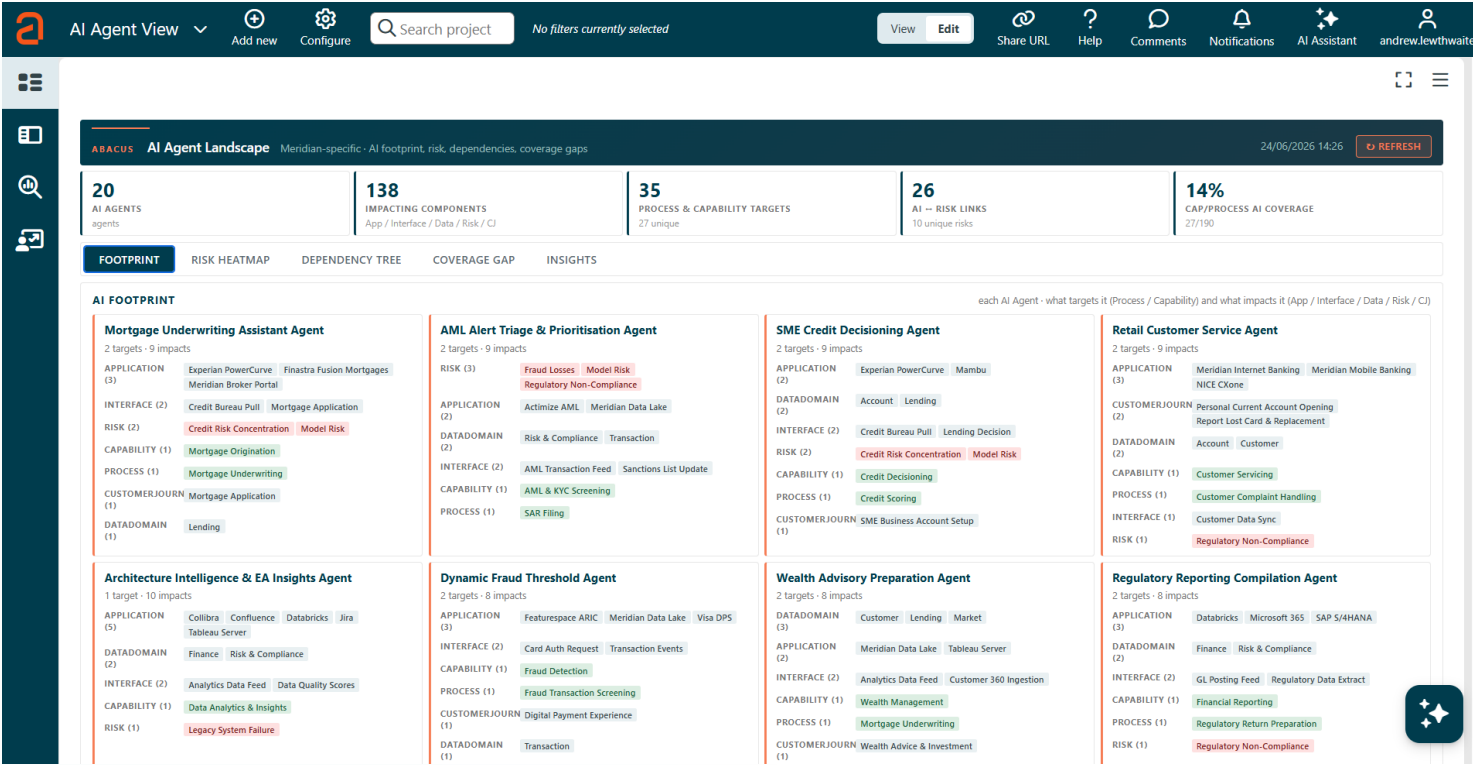
A single source of truth.

Connect capabilities, applications, processes and technology into one architecture - then expose the silos, broken lineage and ownership gaps. Round-trip and centralise data with Excel, Visio, CMDBs, adapters and a REST API, so the model reflects reality instead of last year's diagram.



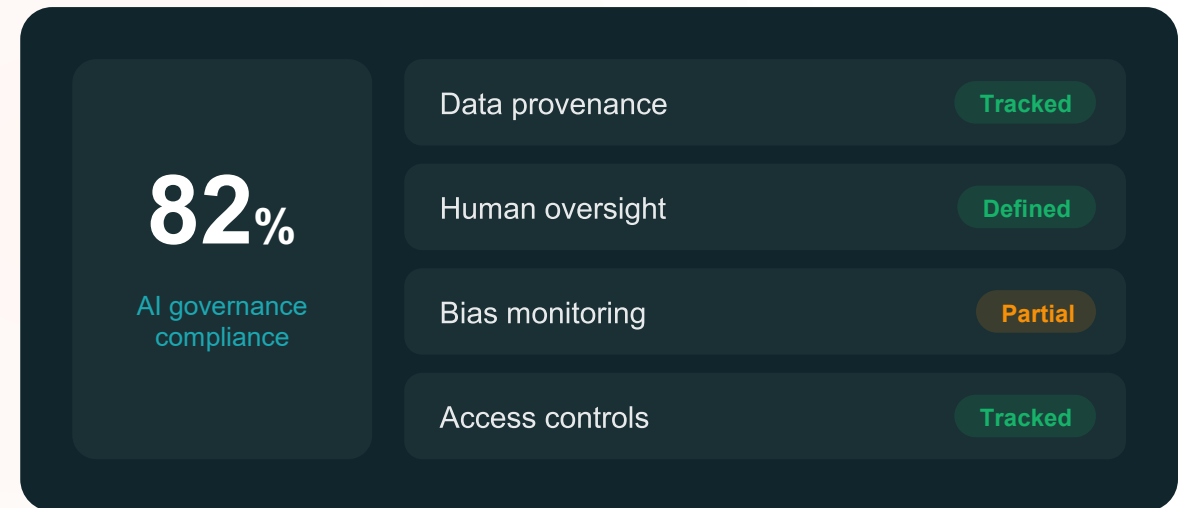
Score initiatives on the value that matters

Cost and value analysis ranks AI initiatives on outcomes, not noise. Model trade-offs and investment options side by side, then show stakeholders a dashboard that makes prioritisation **defensible**.



Guardrails that move at AI speed

Constrain agents to defined service operations and APIs so behaviour stays auditable. Link controls to AI frameworks, calculate compliance scores, and identify owners - governance as a **living part of the architecture** , not a static policy doc.



Design AI futures without breaking today

Model future-state, AI-enabled architectures alongside your current environment - test scenarios, validate decisions and reduce risk - then sync the changes only when you're ready. **Plan boldly. Commit safely.**

● CURRENT STATE

Today's architecture

Untouched and stable - the system of record everyone relies on.



sync when ready

● FUTURE STATE

AI-enabled design

Modelled, tested, then synced when ready - risk taken out before commitment.



WHY TEAMS TRUST ABACUS

Recognised, and proven in production

9x

Leader in Gartner's Magic Quadrant for
EA Tools

\$3M

Annual savings from app rationalisation
(healthcare)

55%

Improvement in portfolio risk scores
(software firm)

20+

Years supporting architects and
enterprises

Trusted by **1000+** EA and IT professionals - including CERN, Arup and the University of Edinburgh.

Four things to do now

01 Map ambition to capability

Take your top AI initiative and trace it to the capabilities, systems and data it touches.

02 Find the data gaps

Identify the silos, lineage and ownership gaps blocking that one initiative from scaling.

03 Score it on value

Put a business-value and cost view next to it - and next to its alternatives.

04 Set one guardrail

Define a single standard or control up front, and prove guardrails speed things up.

No scale without architecture. **Start with one initiative - and make it traceable.**

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Thank you

clarity. control. confidence.

Let's close your AI-to-scale gap.

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