

Case Studies: AI in Action Across the Health System

From promising pilots to trusted, repeatable capabilities

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AI demand is accelerating. Tolerance for error is not.

Health care leaders are navigating two forces at the same time.

THE PULL

Pressure to move faster

- ↑ Executive and board expectations
- 🎯 Staff experimentation and consumer tools
- Vendor promises and competitive pressure

AND

THE RESPONSIBILITY

No room for avoidable harm

- ! Patient, learner, and institutional impact
- 🔒 Privacy, security, bias, and reliability
- 💎 Trust is hard to earn and easy to lose

THE ANSWER

A structured path that enables "innovation at speed" and earns trust.

Innovation at Speed

A governance path that says yes – both quickly and safely

1

Intake

One front door for requests, with a named owner and a defined problem.

2

Review

Privacy, security, vendor terms, technology feasibility, performance, data readiness, etc. Parallelize reviews where possible.

3

Pilot

Small scope, human review, and success measures agreed in advance. Don't move the goalposts.

4

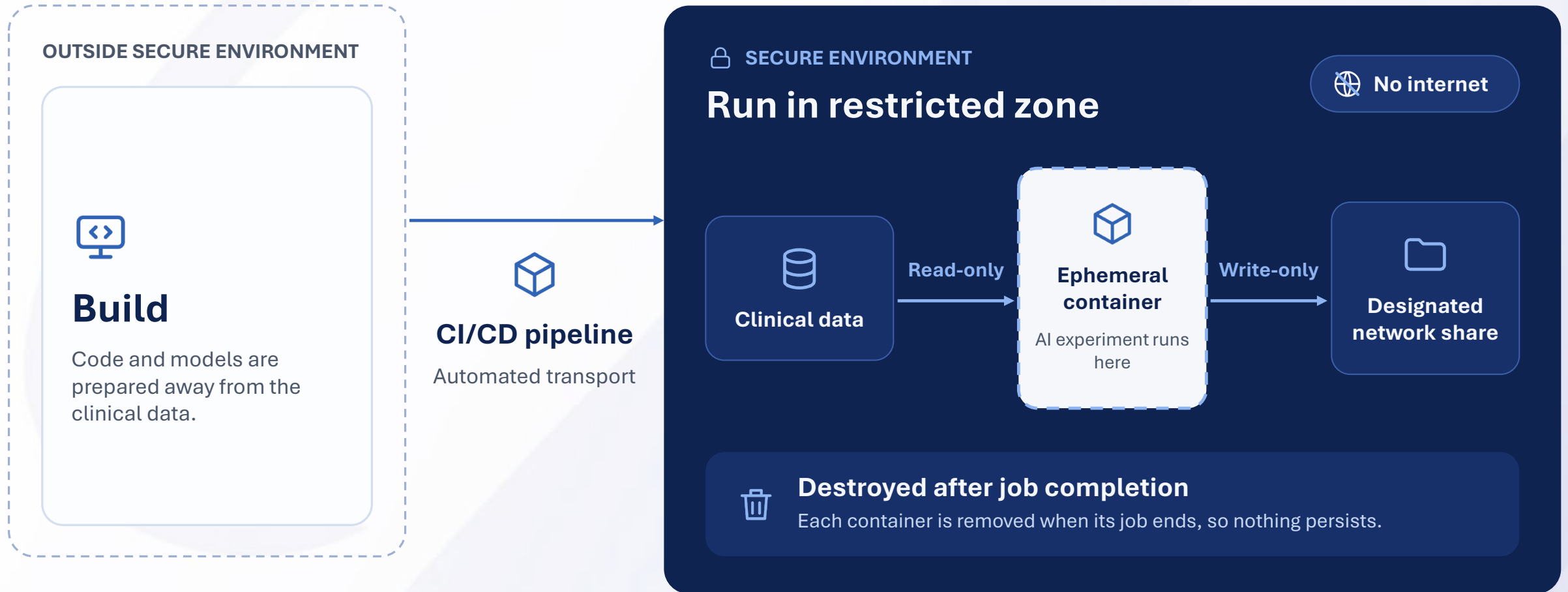
Scale

Support model, training, and monitoring need to be in place before wider rollout. Plan for this during the pilot.



Secure AI experimentation with ephemeral containers

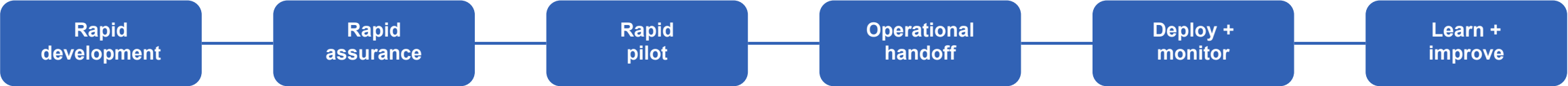
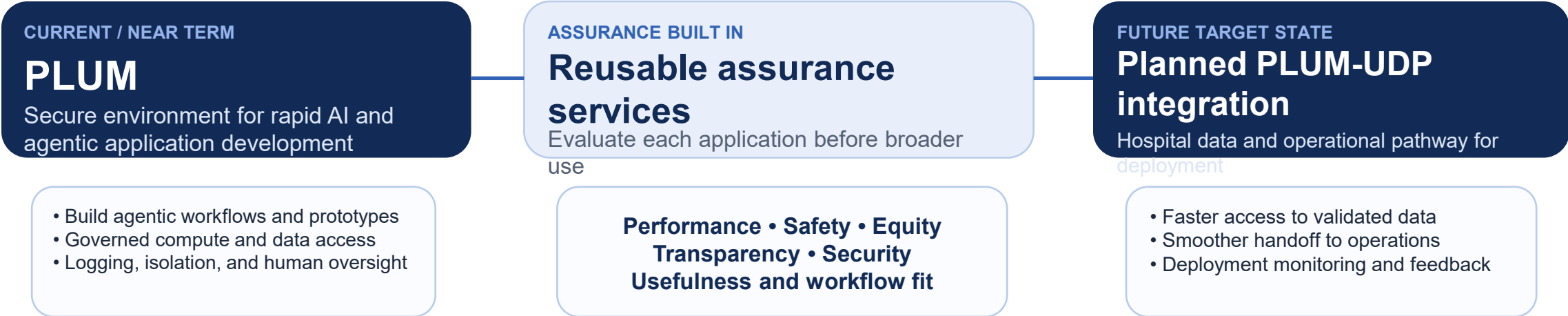
Build outside. Run inside a restricted zone. Leave nothing behind.



PLUM + UDP: accelerating the Learning Health System

Future-state architecture: PLUM today + planned UDP integration to shorten the path from AI development to practice.

IT architecture to operationalize the Learning Health System lifecycle



Key idea: PLUM provides the governed build-and-test environment; planned UDP integration would shorten the path from prototype to operational deployment and continuous AI oversight.

What makes a pilot succeed

Designed for the decision to scale, not just the experiment.

SCOPE

Start small

Limit the users, data, and use case so risk stays contained.

PEOPLE

A human needs to own it

A named person reviews the outputs and owns the result.

MEASURES

Agree on success up front

Set the measures before the pilot begins, and don't move the goalposts.

SCALE

Plan for scale during the pilot

Build the support model, training, and monitoring while you test.

From pilot to scale

The pilot proves value safely and builds the readiness that scaling needs.

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Pilot

Small scope, human review, and success measures agreed in advance. Don't raise goalposts.

STOP!!!

A pilot system is an experiment, not a small production system!

4

Scale

Support model, training, monitoring need to be in place before wider rollout. Plan for this during the pilot.

Takeaways

- Demand will keep rising, so build a path that says yes quickly and safely.
- Give pilots a safe place to run: sandbox environment, containers, etc.
- Agree on success measures up front, and don't move the goalposts.
- Plan for scale (deployment, support, training, and monitoring, etc.) during the pilot, not after it.

UP NEXT

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Case Studies: AI in Action Across the Health System

How do we determine whether an AI-enabled system can be trusted in a specific health care setting?