



The Application Modernization Blueprint

A comprehensive guide to planning your legacy application migration

Fast, predictable, secure AI modernization — built on the Microsoft stack your team already runs on.

ABOUT GAPVELOCITY AI

The AI-powered modernization unit of GAP



GAPVelocity AI

Three decades of modernization expertise, paired with today's AI.

WHAT IT IS

The AI-powered application modernization business unit of Growth Acceleration Partners (GAP).

WHY IT MATTERS

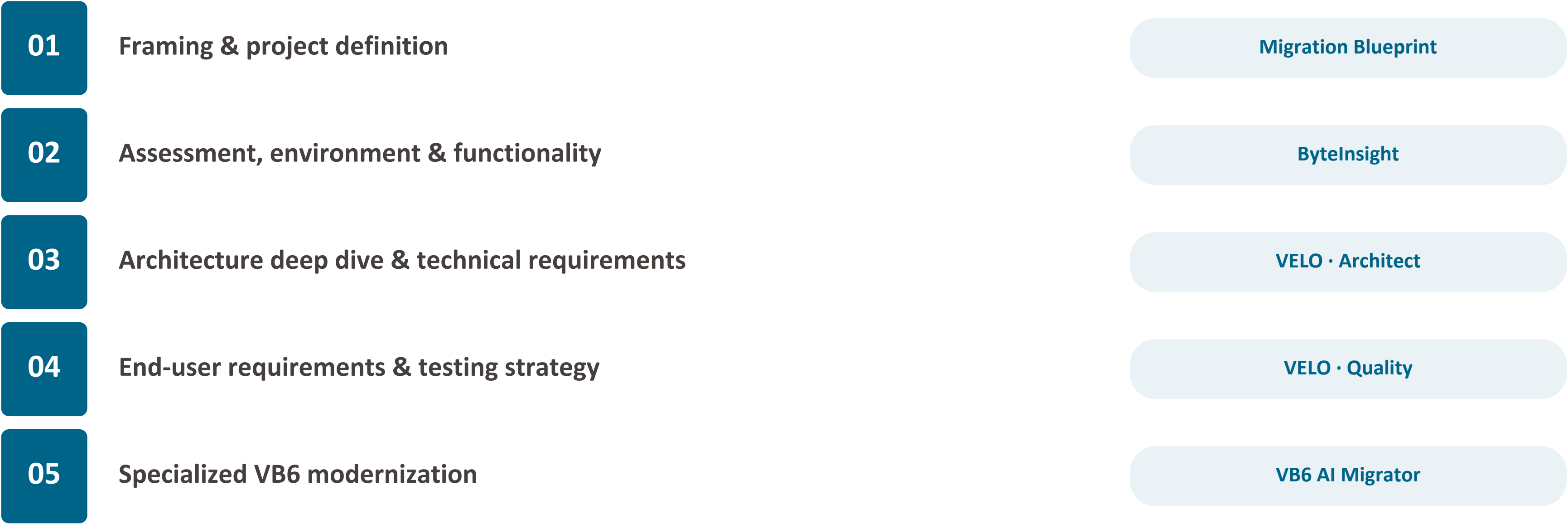
It transforms aging applications into modern, secure, cloud-native solutions on .NET, Blazor and Azure.

BUSINESS VALUE

Built on the Microsoft stack and backed by GAP's 600+ engineers, we deliver engineering-ready code that compiles and runs — with predictable timelines and a fixed cost and schedule.

A predictable path from framing to production

Each step builds on the last — and each is accelerated by a purpose-built GAPVelocity AI capability.



PHASE 1

Framing the discussion & project definition

01

Setting the foundation for predictable success

The foundational step where stakeholders outline scope and clearly define expectations.

WHAT IT IS

Outline the project scope and define expectations, goals, priorities, roles and responsibilities.

WHY IT MATTERS

Aligning on the problems to solve and establishing clear ownership prevents scope creep and mitigates risk early.

BUSINESS VALUE

A clear definition of goals and priorities ensures the migration delivers measurable business outcomes — not just an IT upgrade.

APPLICATION ASSESSMENT

Know what you have with ByteInsight



ByteInsight

Free static code-analysis that inventories your codebase.

FREE

source code never leaves your environment

WHAT IT IS

A free static code-analysis tool that builds a complete inventory of your source code for an informed modernization decision.

WHY IT MATTERS

You can't deal with what you have until you know what you have. It securely walks your folder tree to report lines of code per file — locally.

BUSINESS VALUE

Accurate sizing determines effort, cost and timeline — replacing guesswork with data-driven clarity.

DISCOVERY

Understanding the environment & functionality

02

Mapping the full technical landscape

A comprehensive audit of infrastructure, hardware, platforms and application behavior.

WHAT IT IS

Audit IT infrastructure, hardware and platforms, and document the application's functionality and flow.

WHY IT MATTERS

Documenting interfaces, dependencies and performance bottlenecks ensures no critical integration breaks during the transition.

BUSINESS VALUE

Accurate size and usage metrics guarantee the target cloud architecture is perfectly scaled for your operational needs.

PHASE 2

Architecture deep dive & technical requirements

03

Designing the modern target state

Meticulous documentation of the database, security and deployment landscape.

WHAT IT IS

Document the database environment, security profile, restrictions, procedures, policies and deployment process.

WHY IT MATTERS

It establishes which features must be equivalent on the target platform and sets strict coding-standard requirements.

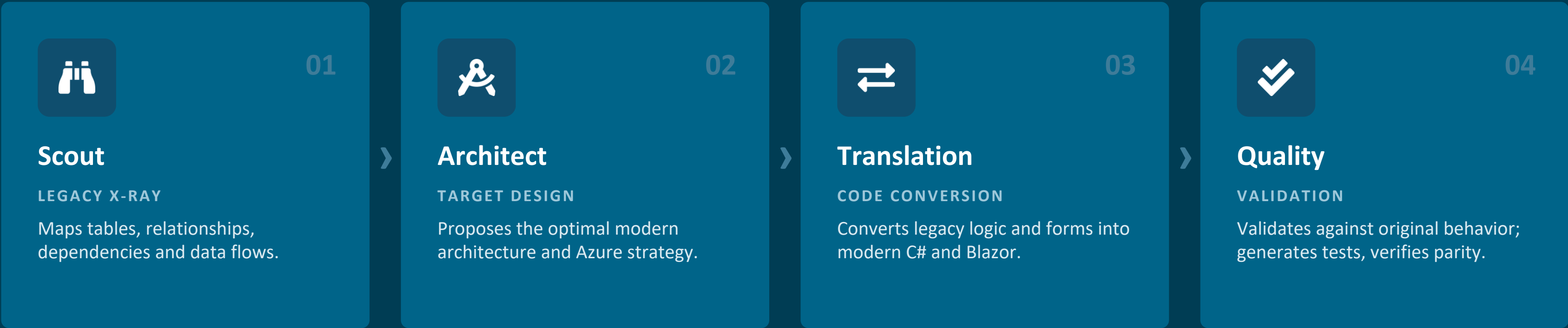
BUSINESS VALUE

Aligning the new architecture with modern best practices ensures a frictionless transition and eliminates future technical debt.

ACCELERATING TRANSFORMATION

VELO: agentic AI across the modernization lifecycle

General-purpose AI hits a wall on legacy systems. VELO deploys purpose-built agents to analyze, transform and validate your code — built on the Microsoft Foundry Agent Service.



20x

faster time-to-market

60%

lower total cost vs. rewrite

85–95%

automation coverage

End-user requirements & testing strategy

04

Validating parity and usability

Consolidate user feedback into functional requirements and define a rigorous testing strategy.

WHAT IT IS

Turn end-user feedback into functional requirements while defining a rigorous application testing strategy.

WHY IT MATTERS

Mapping current issues from the end-user's point of view ensures the new UI drastically improves usability and adoption.

BUSINESS VALUE

Clear test cases and a dedicated QA structure validate functional parity and ensure a seamless, zero-defect release.

SPECIALIZED MODERNIZATION

Deterministic VB6 → .NET with the VB6 AI Migrator



VB6 AI Migrator

Deterministic VB6-to-.NET conversion — native code, no runtimes.

~70% / 90–95%

less manual effort · automated conversion

WHAT IT IS

A deterministic VB6-to-.NET conversion tool that generates native .NET code (C#, WinForms or Blazor) without proprietary runtimes.

WHY IT MATTERS

Rather than a risky rewrite, it moves proven back-end logic to modern .NET — solving complex challenges like VB6 “late binding.”

BUSINESS VALUE

Reducing manual effort by ~70% and targeting 90–95% automated conversion, you migrate in weeks, not years.

BEGIN YOUR MODERNIZATION JOURNEY

Transition off risky technology onto a modern foundation

GAPVelocity AI has modernized billions of lines of code. We help you assess, plan and execute with certainty — not drama.



Book a free codebase analysis call

Review your findings with our migration engineers.



Schedule a modernization assessment

Get a data-driven scope, timeline and fixed-cost plan.



Talk to an engineer

Map your architecture and path to the cloud with an expert.



**Assess, plan, execute —
with certainty, not drama.**



gapvelocity.ai

Book a free codebase analysis call with our migration engineers to begin your blueprint.