



# APPLICATION MODERNIZATION

Data-Driven Analysis and Professional Services that Optimize Applications and Reduce Risk.

## PIVOT'S UNIFIED PORTFOLIO OFFERING

Through our Unified Portfolio, we deliver solutions across the full lifecycle of our customer's technology investments.

### SERVICE CHANNELS

- Integration
- Professional
- Deployment
- Workforce
- Managed

### SOLUTION DISCIPLINES

- Workplace Experience
- Application Modernization
- Network Optimization
- Security Fortification
- Cloud & Datacenter Transformation
- Customer Experience

### SERVICES VALUE STREAM



Although U.S. businesses are rapidly shifting their application portfolios to the cloud, most also remain heavily dependent on dozens or even hundreds of legacy, on-premises apps. They may still enable business-critical functions, but over time can become increasingly unstable, difficult to integrate, costly to maintain, and unable to support fast-moving business needs. This is why three-quarters of IT decision-makers in a recent Forrester survey said application modernization has become a high-priority initiative.

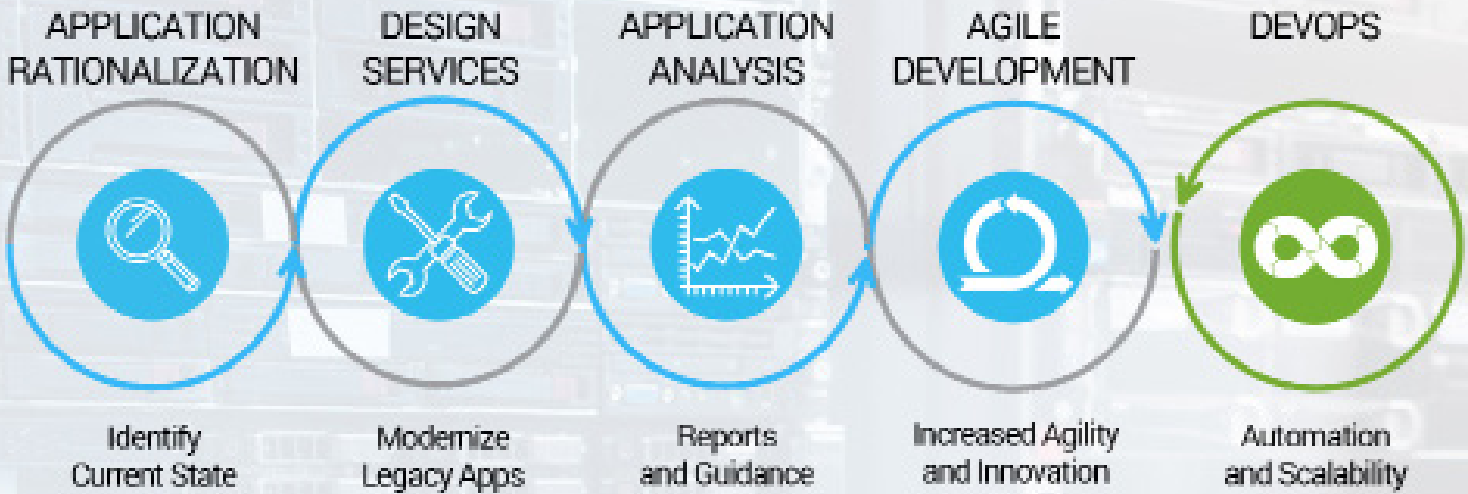
Modernizing and cloud-enabling these older apps can be an exceedingly difficult task, however. Simply discovering all the applications in use within the organization and mapping their dependencies is a time-consuming manual process. Because it's seldom possible to "lift and shift" applications to the cloud, organizations will need developers who have a working knowledge of older programming languages and development environments. Plus, there's the risk that software modifications could lead to data loss or cascading failures of related apps and systems.

Pivot Technology Services addresses these challenges with its application modernization services. The Pivot team leverages automated tools to drill down through applications and the underlying infrastructure, and gather data on performance,

## APPLICATION DISCOVERY



# APPLICATION MODERNIZATION FRAMEWORK



security, availability and other metrics. This enables a data-driven approach to application rationalization from an enterprise perspective.

A thorough assessment and inventory of the customer's software stack is overlaid with a TOGAF application architecture review to establish the most logical modernization approach. The services are aligned with best practices outlined in Gartner's proven "Fitness and Value Review" methodology, and incorporate Agile software development and DevOps processes to minimize risk and enable continuous improvement.

## SOLUTION SUMMARY

Pivot's application modernization services help organizations exploit the value of legacy apps while rationalizing software portfolios and driving the efficient delivery of business capabilities:

**Application Rationalization.** Pivot takes an enterprise approach to application rationalization to help organizations understand the interdependencies within their infrastructure, workloads and data, both on-premises and in the cloud. A nonintrusive agentless platform discovers all applications and their associated infrastructure and maps dependencies to the four cores — CPU, memory, network and disk. This data drives the development of an application rationalization strategy that mitigates risk and maximizes business value.

**Design Services.** Armed with an understanding of the organization's current state, the Pivot team designs and architects the application stack to achieve the desired modernization outcomes. Pivot will build out cost models

for various hosting localities to help determine the most cost-efficient platform for each workload. A risk analysis based upon NIST and Center for Internet Security benchmarks helps identify potential cybersecurity threats.

**Application Analysis.** Pivot's application assessment methodology is based on Gartner's "Fitness and Value Review" toolkit and the TOGAF enterprise architecture design. During the assessment, apps are evaluated based on their overall value, the importance of the business processes they support, maintenance costs and risk of failure. Pivot will also conduct collaborative workshops with stakeholders to produce a TIME (Tolerate / Invest / Migrate / Eliminate) analysis of applications.

**Agile Development.** A team of application specialists will make any code changes identified in the assessment process using Agile software development practices. The Agile approach focuses on keeping code simple and testing often throughout the life of the project. Agile methodology also emphasizes close collaboration between development teams and business stakeholders to capture feedback early and get high-quality code into production quickly.

**DevOps.** Pivot will help customers select and implement DevOps tools that aid in the efficient delivery of applications and services. DevOps is the general term for practices and tools designed to create a tighter relationship between software development and IT operations, which standardizes and automates release management activities to lower operational risks. A DevOps implementation approach complements the frequent code updates produced during the Agile software development process.

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