DATAKINETICS
Z PERFORMANCE & OPTIMIZATION

Quick and Painless
Getting Mobile Apps Running on Your Mainframe

THE BIGGEST DIGITAL TRANSFORMATION

We've all heard the term 'digital transformation'—it includes disruptive technologies like:

- Big Data, IoT, Blockchain, etc.
- But the most urgent is mobile

MOBILE BANKING

Everyone is getting into mobile

- Most banks offer at least some measure of mobile access to their customers
- And more and more retailers are following suit.
- Even some government departments are getting into the game

DATAKINETICS
Z PERFORMANCE & OPTIMIZATION

50 Hines Road, Suite 240
Ottawa, ON, Canada
K2K 2M5

© DataKinetics 2023

WHAT'S HOLDING YOU BACK?

- Can't provide mobile access, or can only offer limited mobile access because your IP is locked away in your legacy mainframe application?
- Fortunately, this is a solvable problem
- And it doesn't involve a forklift, nor does it involve a serious reverse-engineering project to rediscover your own IP

HOW DO YOU GET TO WHERE YOU NEED TO BE?

Take the most direct and most cost-effective path to providing the mobile access that your customers demand.

- Optimize what you have now
- Build on what you have now
- Get to where you need to be quickly, and for as little cost as possible
- Using low risk, high reward techniques

OPTIMIZE WHAT YOU HAVE NOW

- Optimize legacy applications
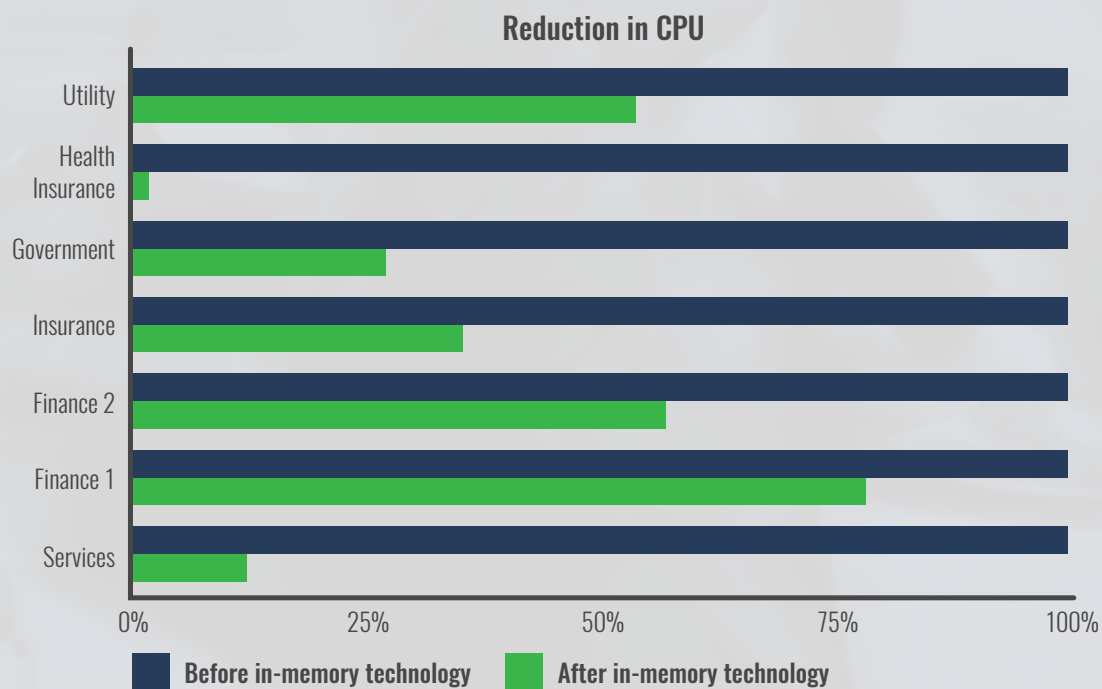- Optimize with BI

OPTIMIZE APPLICATIONS

Use mainframe in-memory technology to optimize legacy applications:

- Reduce legacy application resource usage
- Reduce their operations expense churn
- While leveraging & retaining all of your IP logic… unchanged
- A low-risk, high-reward solution

DATAKINETICS
Z PERFORMANCE & OPTIMIZATION

50 Hines Road, Suite 240
Ottawa, ON, Canada
K2K 2M5

© DataKinetics 2023

The Results

- Reduced CPU and MSU usage (and reduced operations cost)
- This helps to make room for inevitable increases in mobile workloads

Reduction in CPU

Utility	
Health Insurance	
Government	
Insurance	
Finance 2	
Finance 1	
Services	

0% 25% 50% 75% 100%

■ Before in-memory technology   ■ After in-memory technology

DATAKINETICS
Z PERFORMANCE & OPTIMIZATION

50 Hines Road, Suite 240
Ottawa, ON, Canada
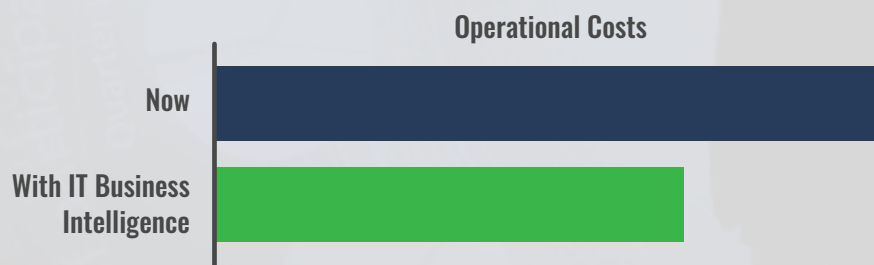K2K 2M5

© DataKinetics 2023

OPTIMIZE WITH IT ANALYTICS

Use IT analytics and business intelligence:

- Gain transparency into IT operational costs—easily identify opportunities for cost savings
- Map IT resource usage & costs to applications and departments
- Improve oversight of outsourcers and billing
- A very low-risk, high-reward solution

The Results

- Reduced application CPU and MSU usage, where ineffective workload management is identified
- Reduced operations cost: 10–15% savings in MSU usage; more when including business data into the analysis
- This helps to make room (capacity and operational cost) for inevitable increases in mobile workloads

Operational Costs

Now

With IT Business Intelligence

DATAKINETICS
Z PERFORMANCE & OPTIMIZATION

50 Hines Road, Suite 240
Ottawa, ON, Canada
K2K 2M5

© DataKinetics 2023

BUILD ON WHAT YOU HAVE NOW

- Leverage existing IT assets to create mobile apps faster
- Ensure your data is available for your applications—old and new—where it is needed, in real time

Plan to create new mobile apps from the ground up?

Here's what you're in for:

- Get budget approval for a long-term, costly, high-risk project
- Hire a large team of consultants with COBOL expertise
- Reverse-engineer millions of lines of code (IP that spans decades of development)
- Design and configure a server farm with the security, reliability (5-nines), performance and throughput capacity that your mainframe systems already had
- Re-design your IP to run on your new platform
- Then start on your mobile interface design

You will be able to make this work—it's just a question of how much time, capital expense and risk you're willing to invest in it.

There is a better way.

DATAKINETICS
Z PERFORMANCE & OPTIMIZATION

50 Hines Road, Suite 240
Ottawa, ON, Canada
K2K 2M5

© DataKinetics 2023

BUILD ON A SOLID FOUNDATION

You can use a modern hybrid solution that will:

- Leverage your existing mainframe applications and databases virtually unchanged
- Add no extra burden to whatever COBOL expertise that you have now
- Allow you to create new mobile apps using millennial programmers and the toolsets that they feel most comfortable using
- Run those apps anywhere – mid-range servers, mobile devices, LinuxOne, etc

Legacy applications contain years of IP—why not leverage it rather than try to recreate/replace it—essentially re-inventing the wheel?

The Results

- Improved customer satisfaction—you're delivering the user experience that they demand
- Effort and cost for that delivery is dramatically reduced when compared to migration strategy, or any other strategy that involves re-inventing the wheel

Development Effort

Now

Using modern hybrid system

DATAKINETICS
Z PERFORMANCE & OPTIMIZATION

50 Hines Road, Suite 240
Ottawa, ON, Canada
K2K 2M5

© DataKinetics 2023

THE CONCLUSION

- Provide your customers with the user experience they expect: mobile access to your services
- Take the shortest path (and the most cost-effective path) to do it
- Leverage your own IP—don't recreate your IP
- Use millennial programmers—not retiring COBOL programmers
- Optimize what you have now
- Build on what you have now
- Get to where you need to be quickly, for as little cost and risk as possible

THE NEXT STEP

Please contact us for more information – we can send you a more detailed white paper, or alternatively, you can speak to one of our Professional Services staff to discuss your specific challenges. Use the contact information shown above to get started.

ABOUT US

As the global leader in Data Performance and Optimization Solutions, the world's largest banks, credit card, brokerage, insurance, healthcare, retail and telecommunication organizations rely on DataKinetics to dramatically improve their data throughput and processing.

Our comprehensive, world-renowned suite of solutions enables Fortune 500 companies to:

- Process over a billion mission-critical transactions every day
- Accelerate application processing by up to 98%
- Seamlessly integrate data on mainframe and distributed systems

DATAKINETICS
Z PERFORMANCE & OPTIMIZATION

+1.800.267.0730 | info@dkl.com