



# MIGRATING WEB APPLICATIONS TO THE CLOUD

PEOPLE

PROCESS

TECHNOLOGY



GETTING STARTED

# MIGRATING WEB APPLICATIONS TO THE CLOUD

Over the past decade, a fast-growing number of businesses have adopted cloud computing. Cloud computing enables your business to access software and your data at any time and from any location. Creating an effective cloud strategy can be a differentiator for successful companies. Properly developed and executed, web applications in the cloud can bring great benefits.



## GETTING STARTED

# WHY MIGRATE TO THE CLOUD?

### **Level the Playing Field**

Literally everyone has access to the latest technology now. Big companies and big budgets no longer rule the market – small, nimble companies use the cloud to build smarter systems that grow faster than the old guard can.

### **Availability**

No system can offer 100% uptime, but we all strive for it. Being offline is equivalent to power outages in today's marketplace.

A close-up photograph of a smartphone screen displaying the Amazon logo. The logo consists of the word "amazon" in a black, lowercase, sans-serif font, with a curved orange arrow underneath it that points from the letter 'a' to the letter 'z'. The phone is tilted, and the background is a light blue gradient.

## GETTING STARTED

# WHY MIGRATE TO THE CLOUD?

### **Disaster Recovery**

If an earthquake shakes San Francisco or rains flood Dallas, on-premise and data center servers are at much higher risk than cloud servers (where are they, really?). Cloud redundancy ensures better business continuity.

### **Scalability**

Modern architectures enable on-demand increases and decreases in capacity. Using your own hardware, you will rarely be in balance with supply & demand.



## GETTING STARTED

# WHY MIGRATE TO THE CLOUD?

### Cost Savings

As a by-product of scalability, you can lower your costs. Spin up capacity with spikes in demand, and spin back down during off-peak times. Pay for what you need when you need it. You can also reduce ongoing costs for hardware and server maintenance.

### Workforce Productivity

Productivity is increased by reliable, scalable infrastructure, loaded with pre-built services. Amazon claims they find productivity improvements of 30-50% after many large migrations.



GETTING STARTED

# WHY MIGRATE TO THE CLOUD?

## **Increased Revenue**

Being more agile and experimental, you can drive higher velocity and quality, resulting in top line revenue.

## **Global Reach**

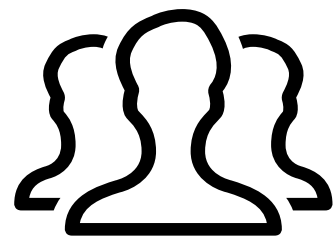
Expand your business geographically without the associated maintenance, time, human and error control of on-premise infrastructure.



GETTING STARTED

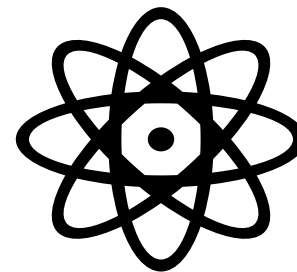
# EFFECTIVE CLOUD MIGRATION STRATEGY

An effective cloud migration strategy should focus on three key areas...



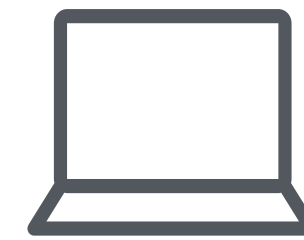
## PEOPLE

Whether you have dedicated in-house IT staff or use outside support, you need to support current and future needs. Identify stakeholders and include them in decision-making.



## PROCESS

Designing and maintaining efficient and effective processes is essential to your cloud migration. Applications and user demand must match delivery expectations and company goals.



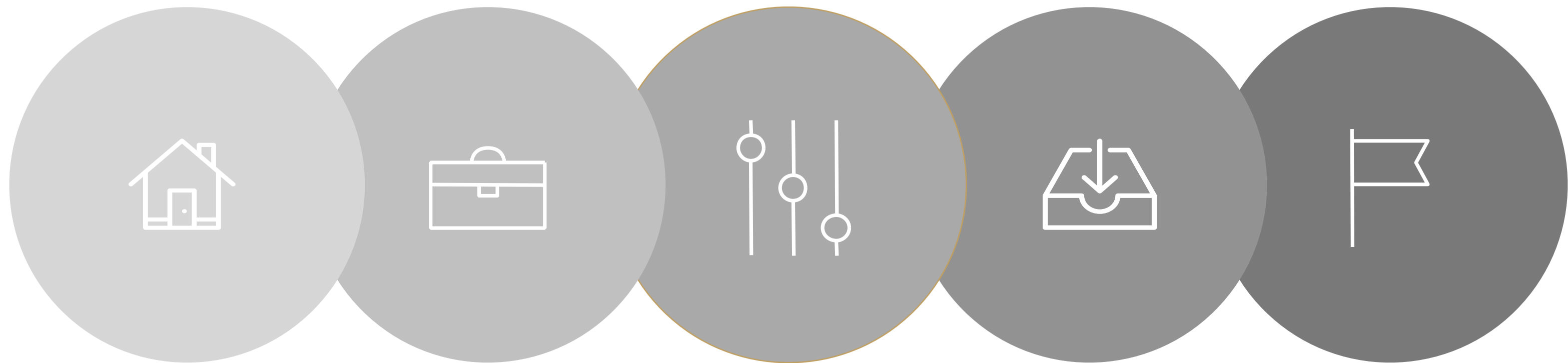
## TECHNOLOGY

You'll need to determine what existing technology is worth keeping, what needs to be left behind, and what needs to be built.

MANAGEMENT DECISIONS

# TYPES OF CLOUD MIGRATION

DECIDE WHAT TO REUSE, REPLACE, REBUILD, RETIRE



## REHOST

Move your entire application to the cloud without any code changes.

## REPLATFORM

Upgrade from the original platform with minimal code changes.

## REFACTOR

Re-architect the application to leverage the flexibility of the cloud.

## RETAIN

In some instances, the cloud isn't a good fit, so the systems stay as status quo.

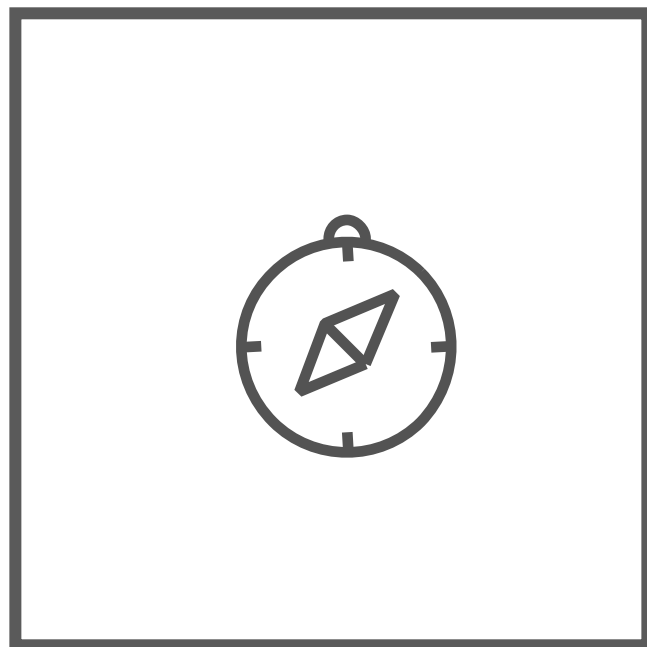
## RETIRE

Some systems are simply best put to rest... Rather than migrate, they are terminated.



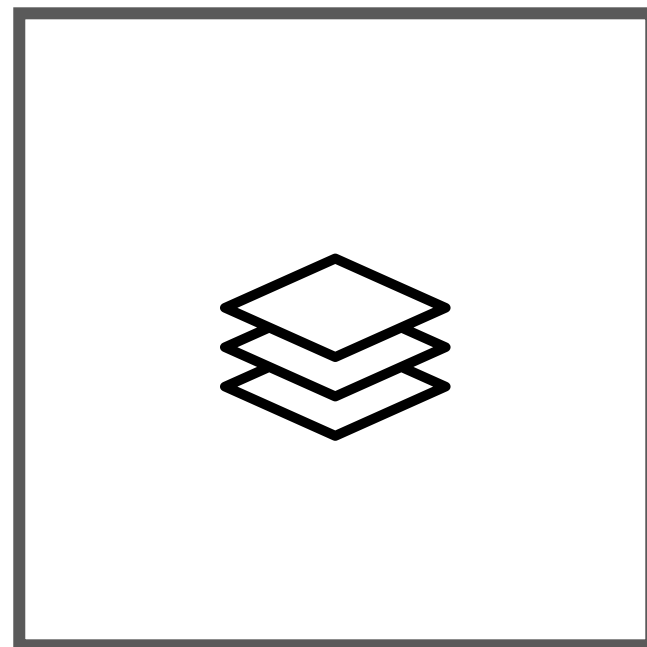
I M P L E M E N T A T I O N

# CLOUD MIGRATION SERVICES



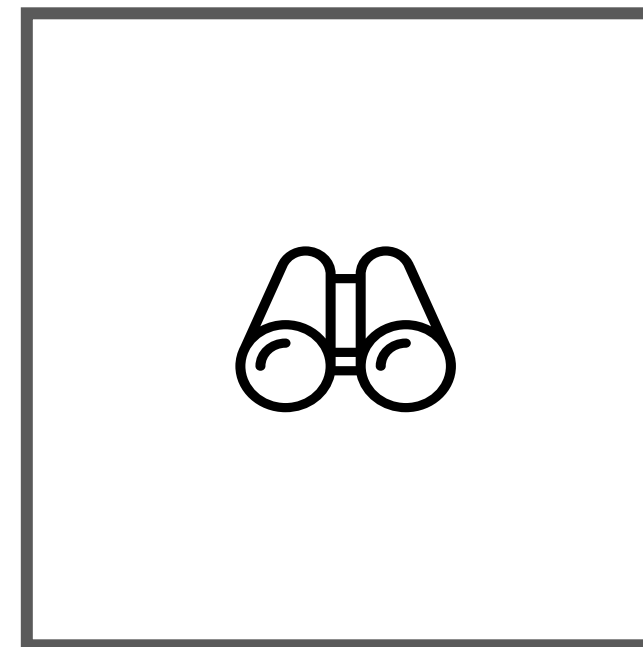
## PLANNING & MAPPING

Mapping applications to the cloud vision will determine how much value the business can draw from the migration. As you migrate and extend services to the cloud, you need a map that tracks components and dependencies.



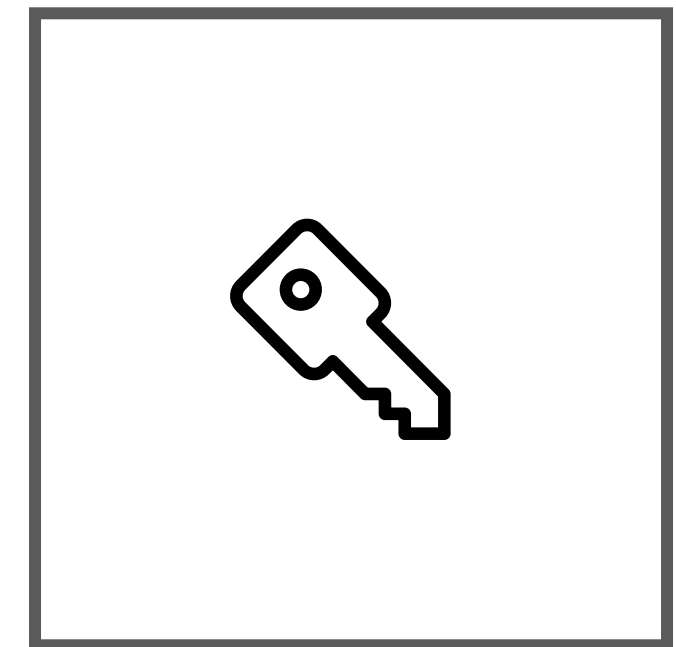
## MIGRATING APPLICATIONS

Portable applications need to be prepared for cloud architecture. Packaging legacy apps for portability often involves reworking code by skilled software engineers who understand the technical interactions in a cloud environment.



## MIGRATING DATA & DATABASES

You need to determine how much raw storage will be required to host and backup your primary data. You need to build the appropriate virtual workspace in advance and plan for cloud storage and hosting budgets.



## SECURITY & COMPLIANCE

Major cloud service providers are required to meet the highest security standards in the industry. Authentication, authorization, logging, and auditing is built in to all cloud platforms. You must still implement proper security policies for your architecture.



CLOUD ARCHITECTS

# FULLY MANAGED CLOUD HOSTING

**Benefit from a new kind of hosting company offering a 21st century “true cloud” infrastructure that combines leading cloud technology (IaaS) with our extensive web application engineering expertise (PaaS).**

We provide fully-managed cloud hosting with boutique-style support, world-class cloud management tools, consulting services and application development. Since 2001, Webapper has provided a true one-stop shop consulting experience for customers with web-based applications. We’ve worked on many of the largest, high traffic complex systems in this space.





APPLICATION DEVELOPMENT

## CLOUD MIGRATION & DEVELOPMENT

**We specialize in building complex custom applications or in migrating legacy applications to the web.**

We offer full lifecycle development services leveraging leading technologies. We deliver fast, scalable, manageable state-of-the-art applications.

We've delivered over 800 successful, custom-tailored engagements..





JUMP START YOUR CLOUD MIGRATION

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