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PRT080

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How to build a winning application modernization strategy and deliver on it

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Insight Enterprises

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Insight:
Helping clients drive digital transformation

Modern workplace

Create a productive, flexible, and secure workplace.

Modern applications

Create new product experiences and transform legacy applications to drive increased business value.

Modern infrastructure

Architect and modernize multi-cloud and networking solutions to drive business transformation.



Intelligent edge

Gather and utilize data in the most efficient way possible to enable real-time decision-making and affect pivotal outcomes.

Data and AI

Leverage analytics and AI to transform business operations and user experiences.

Cybersecurity

Mitigate risks and secure business assets.

Our services

Consulting services

Create competitive advantage and improve operations by aligning business goals to IT and product strategies.

Hardware, software, and lifecycle services

Simplify supply chain and streamline costs across the global hardware and software lifecycle.

Managed services

Eliminate business disruption and strategically align resources.

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Current state of enterprise applications

The average enterprise has

364

custom applications deployed today, but only 45% are used regularly.

Legacy systems can cost an organization up to a

15%

budget increase every year for maintenance.

74%

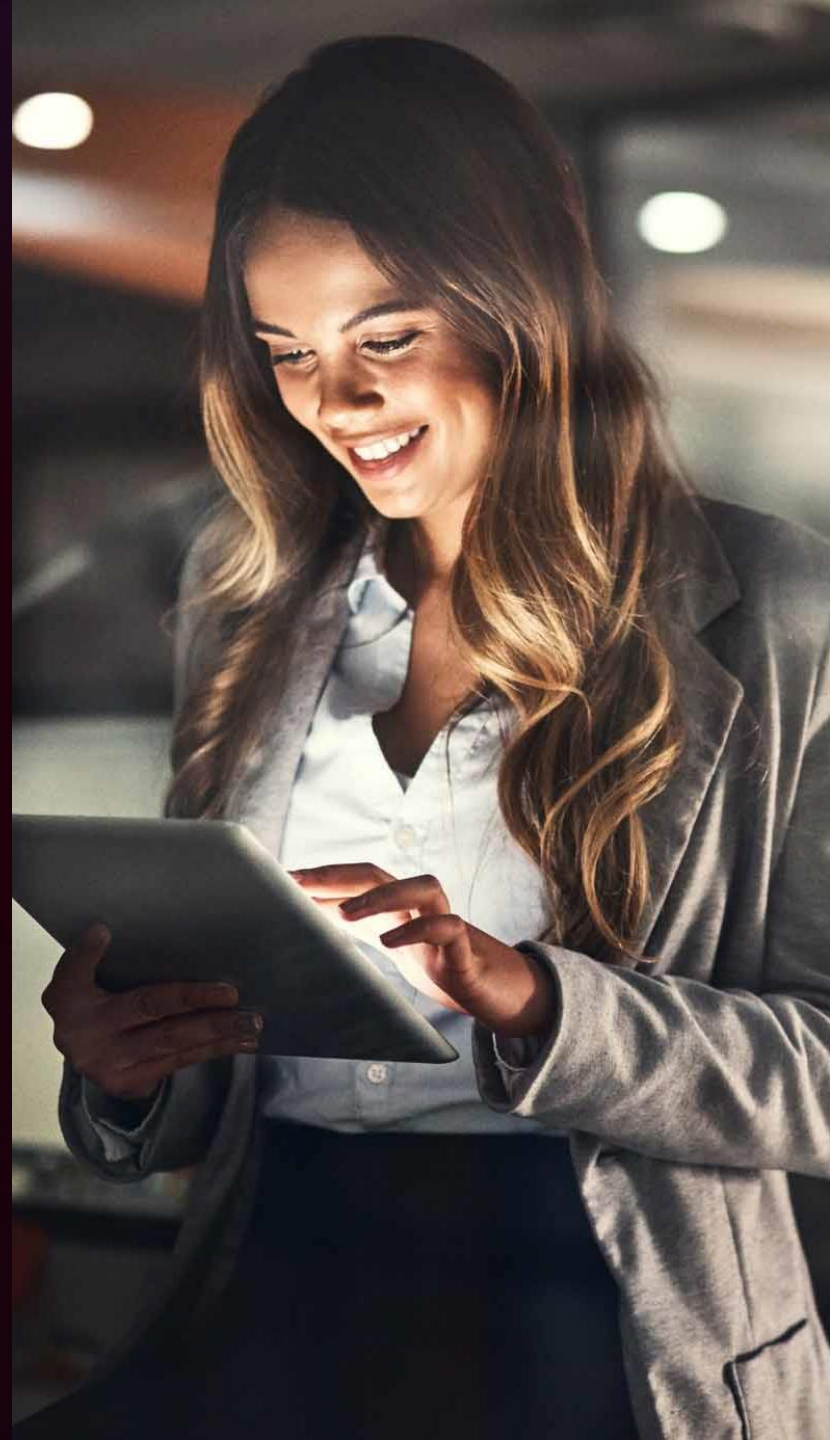
of IT executives say that digital transformation is their #1 technology initiative in 2022.

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What are your biggest concerns with your legacy applications?

- Difficult/costly to operate, maintain, and enhance
- Unsupported tech, vulnerabilities, and device constraints
- Hard to find developers to maintain legacy tech
- Difficult to integrate with modern systems
- Want to retire legacy platforms (mainframe, AS400)
- Poor user experience or usability concerns



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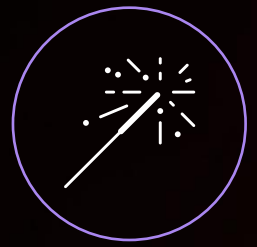
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Whether a single application, a handful, or thousands, application modernization is



A journey, not an activity



A catalyst to transform your business



A point in time, but innovation is an ongoing process

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Our application modernization playbook

OUR 5 PHASES TO SUCCESSFUL APPLICATION MODERNIZATION

1. Align

Align IT and business stakeholders on our playbook methodology and success metrics.

2. Assess

Use Insight IP and tool set to assess application landscape.

3. Plan

Not a good fit

Tactical migration

Categorize and prioritize applications with modernization plan.

Strategic modernization

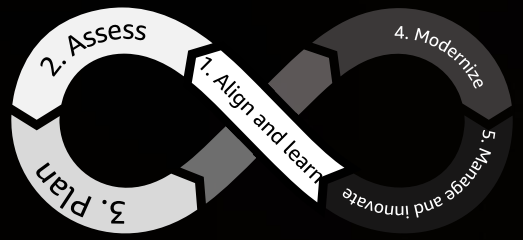
4. Modernize

1. Retire → No application
2. Retain → On-premises app
3. Replace
4. Rehost
5. Refactor → Cloud-based application
6. Rearchitect
7. Re-envision → Cloud-based intelligent application

Implement migration plan for each application.

5. Manage and innovate

Partner with Insight to manage, support, and continue to improve your applications and business.



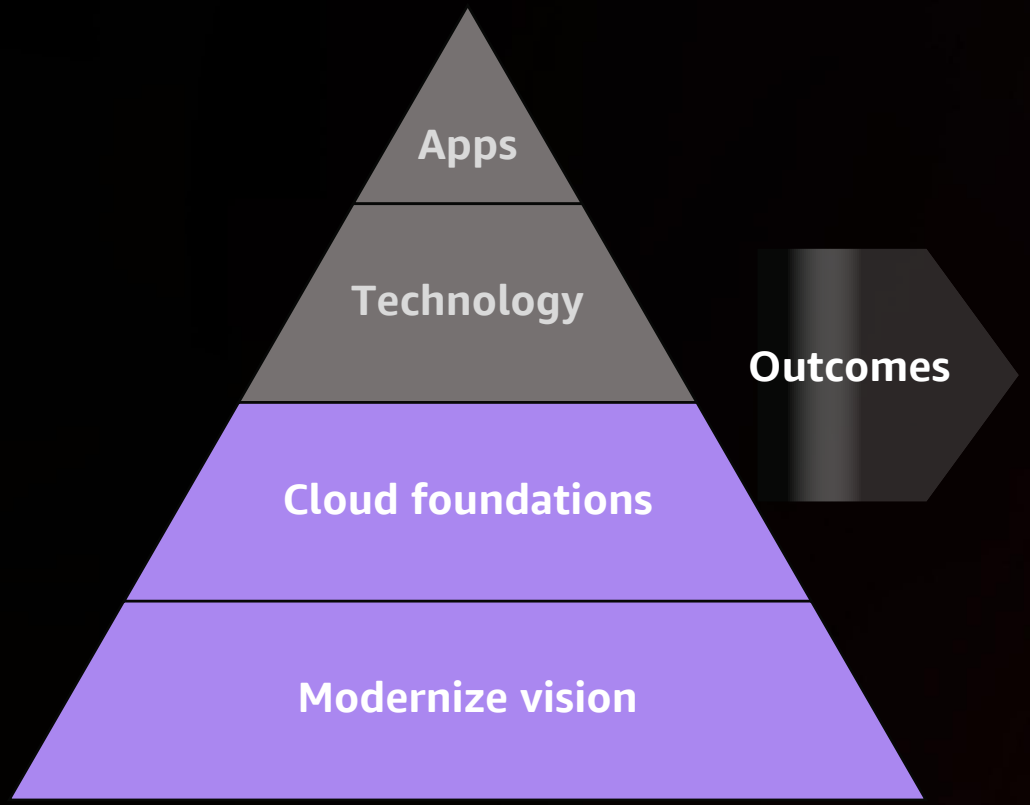
Note:
We can also apply an Agile approach vs. "big bang" to your modernization efforts.

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PLAYBOOK PHASE 1: ALIGN

Aligning your business goals and technology strategy



Understand organizational goals and current ways of working.

Identify how to measure application modernization success.

Envision modernization ideas, such as new ways of working and solutions, that could solve the problem(s).

Lay cloud foundation through training and process changes.

Identify and prioritize business capabilities in alignment with business strategy.

Balance business factors with technology factors to define the problem statement(s).

Define goals related to improved user experience.

Research and ideation leads to a data-driven approach for Phase 2: Assess.

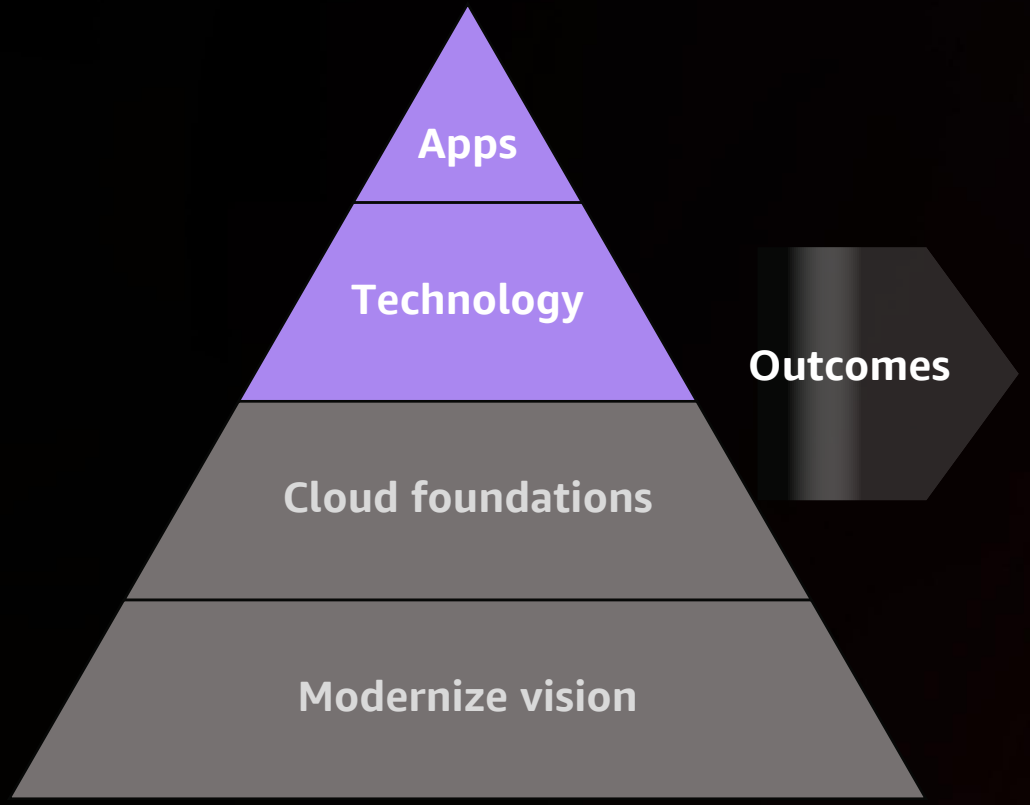
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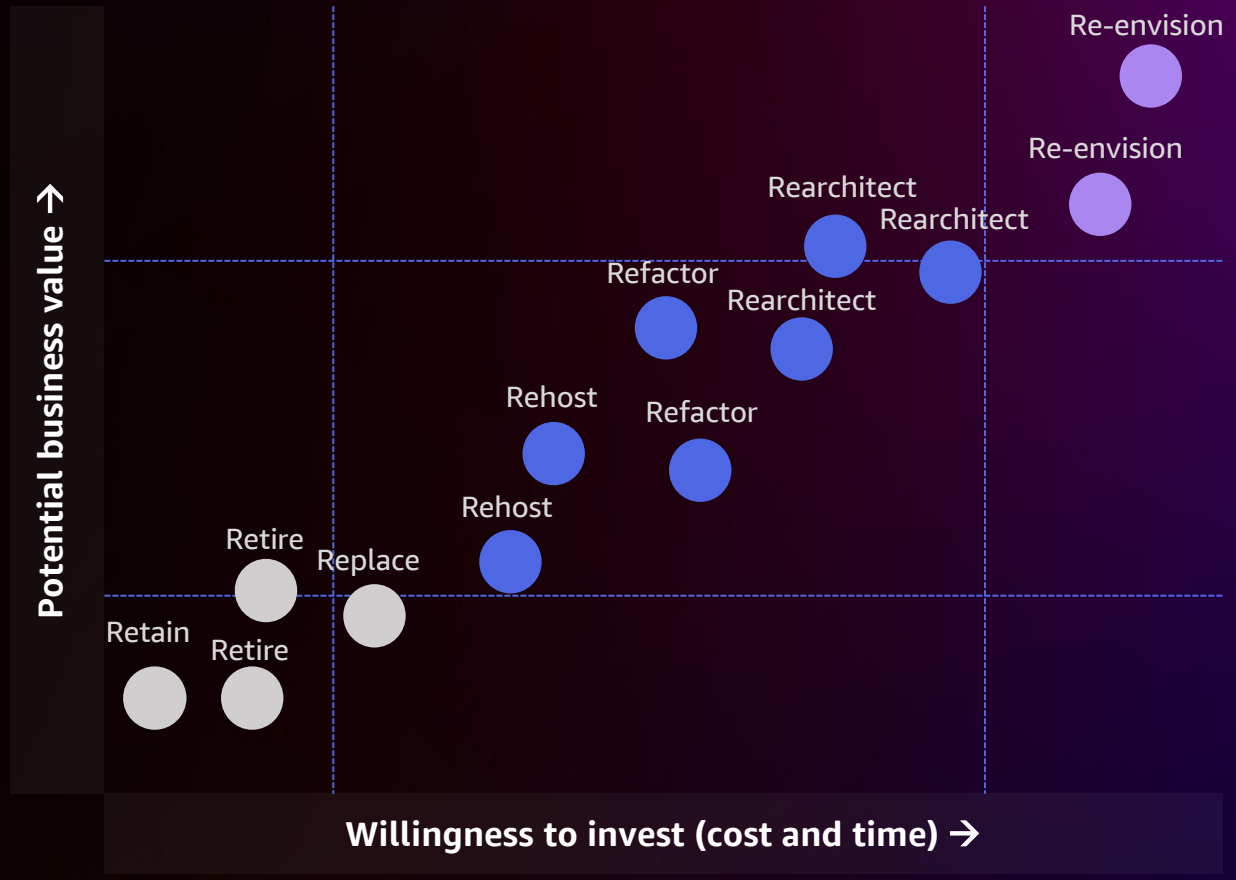
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PLAYBOOK PHASE 2: ASSESS

Determining best migration strategy from data collected

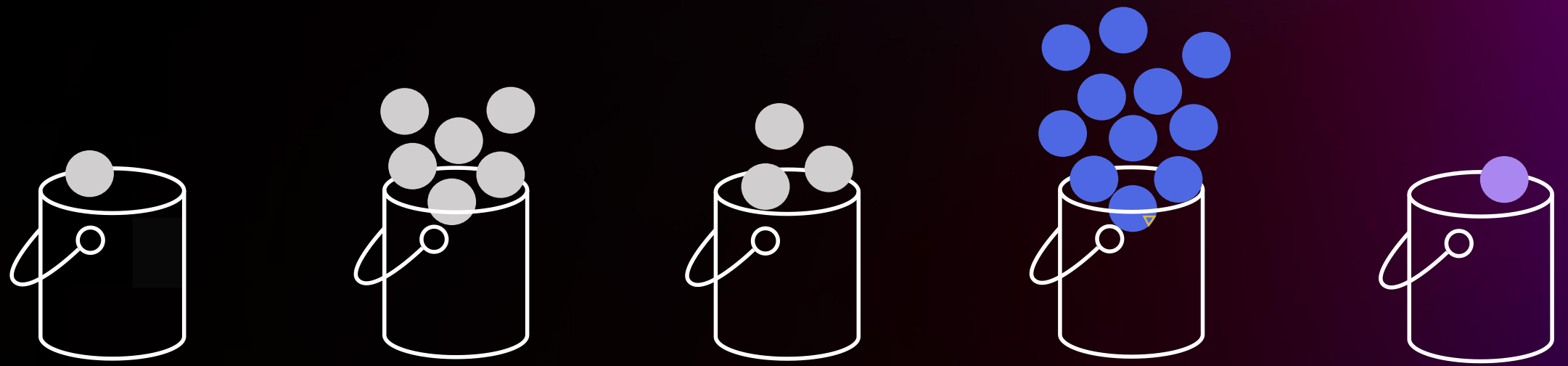
Assessing the technologies used today and their compatibility with your desired end state, while collecting data about your application portfolio to determine an appropriate migration strategy





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Bucketing applications based on our assessment results

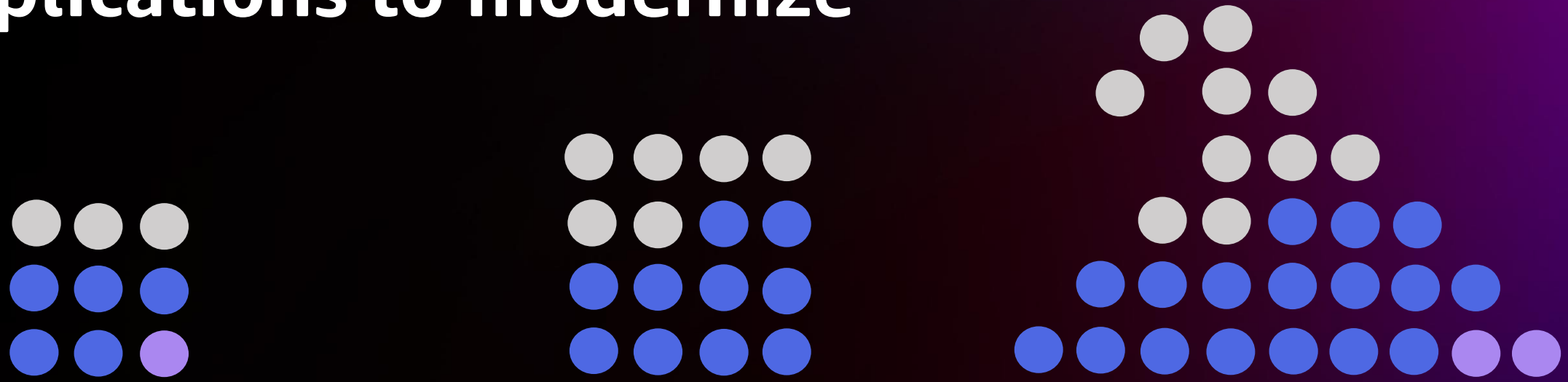


<5%	~30%	~15%	~45%	<5%
Retain Remain on-premises.	**Retire** Eliminate environments.	**Replace** Consolidate or convert to SaaS solution.	**Rehost, Refactor, Rearchitect**	**Re-envision**

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PLAYBOOK PHASE 3: PLAN

Prioritizing and mapping waves of applications to modernize



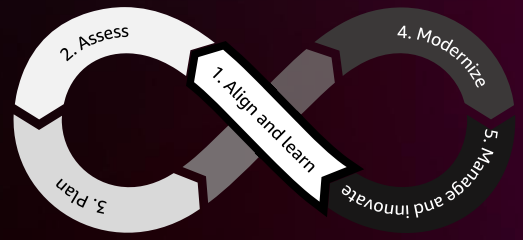
First wave	Next wave	Later waves
• Fewer dependencies and integrations • Simpler technical requirements • Lower business criticality • Start re-envisioning selected applications	• More dependencies and integrations • Higher business criticality • More complicated technical requirements	• More refined modernization process • Opportunity to lower costs at scale • Select additional applications to re-envision

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Implementing our plan for each application disposition

1. Retire	Identify users	Communicate EoL date	Shut down servers			
2. Retain	Document reason	Keep services running	No real change for users			
3. Replace	Identify alternatives	Acquire licenses	Manual setup and validation	Back up data and begin transition	Train users	
4. Rehost	Prep the landing zone	Configure resources	Automate infrastructure	Execute in parallel	Cutover	
5. Refactor	Align and plan changes	Prep landing zone	Update code and unit test	Automate CI/CD	Deploy and functional testing	Cutover
6. Rearchitect	Align and redesign architecture	Prep landing zone	Develop and unit test	Automate CI/CD	System testing	Deploy and replace legacy functionality
7. Re-envision	Align	Envision and plan	Detailed design	Develop and stabilize	Release	



Note: As we start the modernizations, it becomes more cyclical, iterative, and agile.

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Partner together to manage and innovate your application portfolio



Operationalize

Develop custom process guides to manage new applications on your own. Example: disaster recovery or data backup processes.



Train and adopt

Train your workforce to use and maintain new applications through best practices and governance. The people side of change and modernization.



Continue to innovate

Collaborate on your business strategy to determine what improvements can be made for your new applications or other applications in your portfolio.

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Common mistakes to avoid along the way

Have a strategy – Modernization is not just “porting”

- Even if you start with migration, you need to understand your modernization roadmap
- Know who makes decisions that align to your business and technology objectives
- Ad-hoc is not a good approach

Think strategically, act tactically – Don’t boil the ocean

- Start with a well-defined set of applications or workloads
- Ensure the outcomes are well understood
- Validate the TCO
- LEARN, REFINE, OPERATIONALIZE, IMPROVE

It’s ok to learn in the beginning; learning from failure is not a bad thing

- This is a journey and a transformation, there are lots of moving parts
- Adapt to challenges, learn, and enable your teams during the initial stages and the first iteration
- Be receptive to ideas for improvement
- Get help from teams that have been through this process before

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Schedule intro call with our app mod team (1 hr)

PREPARATION Identify stakeholders and interest areas

- Are there additional technology areas your business is focused on (e.g., cloud, data and AI, modern applications, change and training)?
- Who are the key business stakeholders involved in those efforts?
- We can then align our Consulting Services specialists.

SCHEDULE CALL Intro to your business

- Listen to your pain points and business goals.
- Review example client projects (related to your needs).
- Review our methodology, technology journeys, and potential approaches.

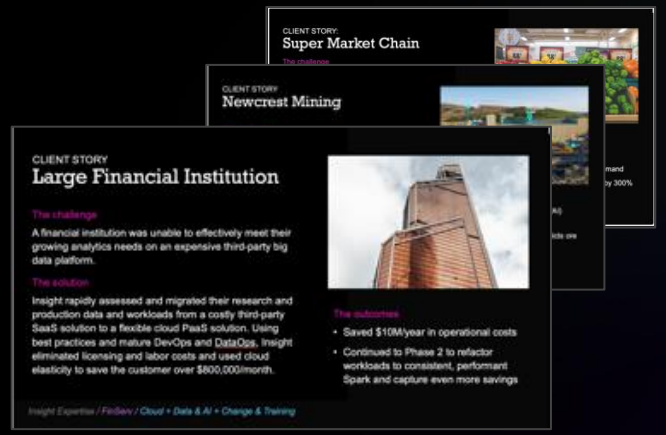
ALIGN ON NEXT STEPS

- Determine the best way to get started, based on where you are in your journey.



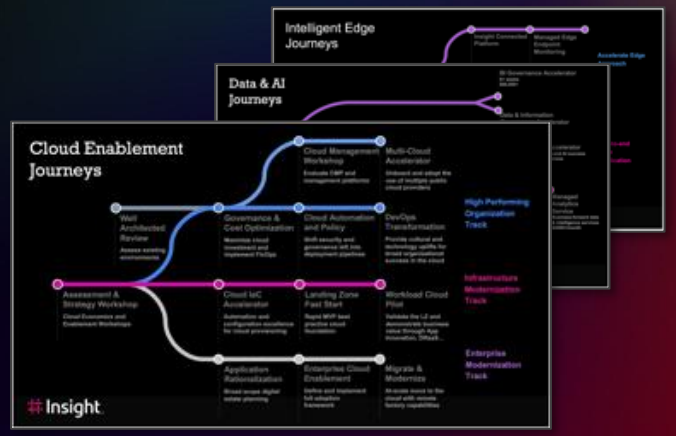
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Example call topics



Our past work

Our experts will review a few select client projects similar to your areas of interest to showcase how we can help.



Our methodology

We'll then review our technology blueprints to focus our efforts on short-term wins on the path to long-term sustainable success.



Our work with you

Let's have a healthy discussion around adding value for your needs and potential next steps together.

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Thank you!



Please complete the session survey in the **mobile app**

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