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APPLICATION MODERNIZATION - A ROADMAP

So you want to modernize your applications

An introduction to executing app modernization.

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Achieving modern software

After the risks of outdated software are understood and your agency has determined an update is needed, it's time for execution.

How you approach a modernization effort is critical to its success.

Today, we will discuss a process and frameworks your agency can leverage for a successful modernization.

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Application modernization is a process of evaluation and reimagination.

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Modernization roadmap

Modernization can be daunting. Leveraging a tested framework makes it achievable.

1. Inventory/assess

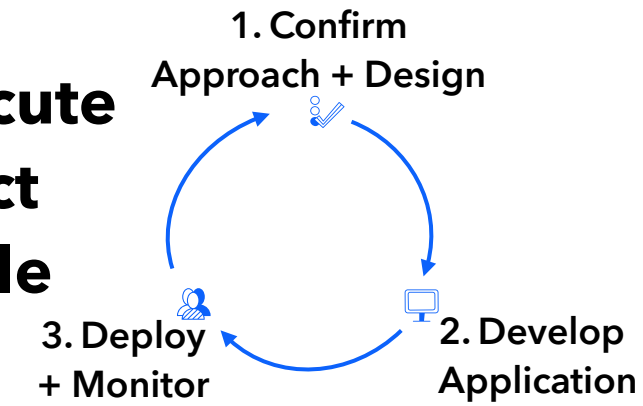
2. Prioritize applications

3. Define requirements

4. Evaluate options

5. Timeline and budget

6. Execute product lifecycle



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Inventory + Assess Applications

Identify modernization candidates

- Inventory your applications and IT ecosystem
- Catalog your applications
- Identify the application's problems, opportunities, IT goal fit
- Score applications for prioritization
  - Risk, cost to maintain, business fit, opportunity, technical complexity

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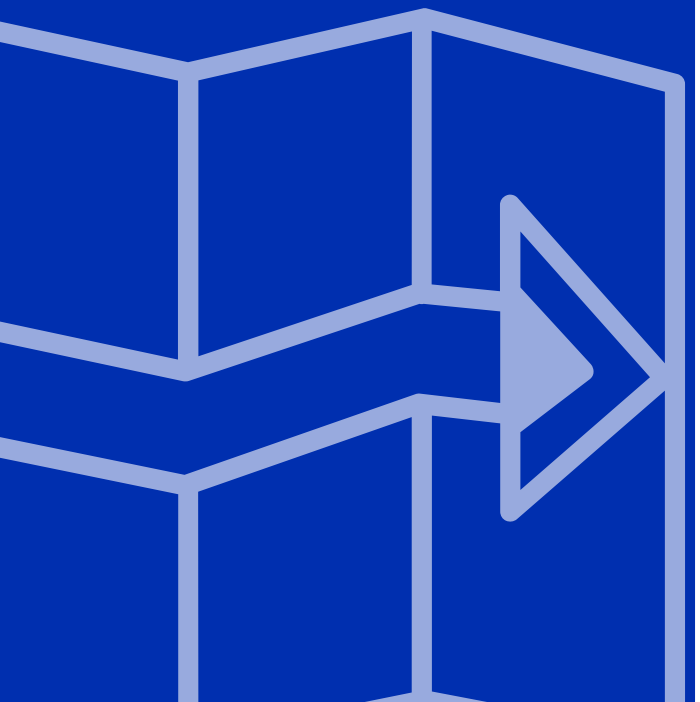
Prioritize Applications



Identify the best place to start modernizing

- Prioritize applications based on assessment outcomes
- Create roadmap for your organization based on priority

Start with something **small** even if it is not the highest priority.

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Define Requirements

Detail the next generation of the application

- Consider current and future needs for your organization, users, and stakeholders
- Understand user journeys in current workflows
- Document pain points in the current application

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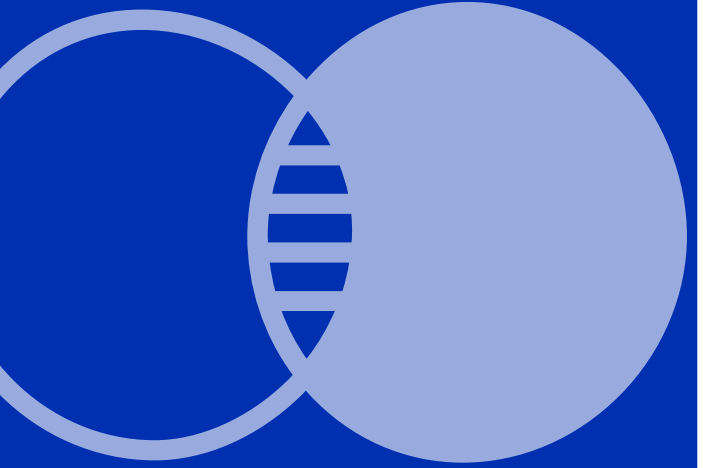
Evaluate Options



Determine the software approach best suited for your modernization goals

- Explore technology options and toolsets
- Create an evaluation framework
  - Determine the criteria that is most important to your organization and give it weight in the evaluation

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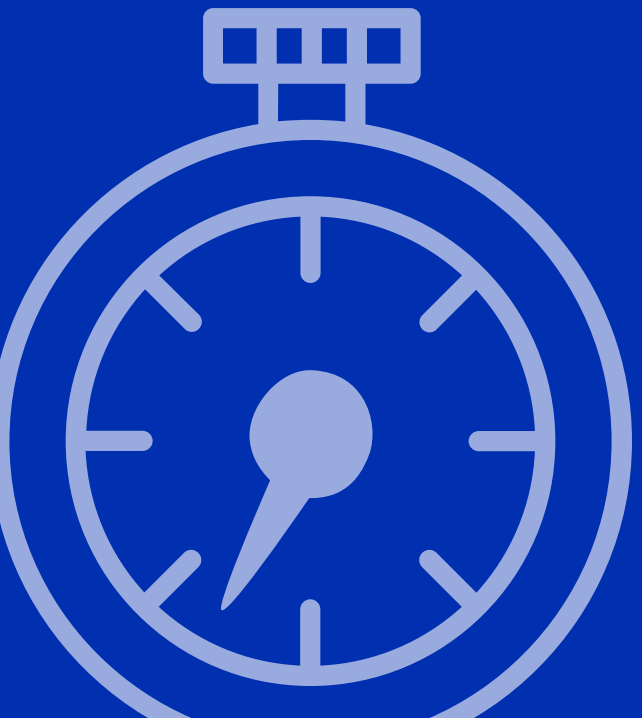
Timeline + Budget



Understand time and budget available for modernization

- Determine your timeline requirements
- Understand your budget
- Evaluate scope and toolset against timeline and budget requirements – adjust as needed

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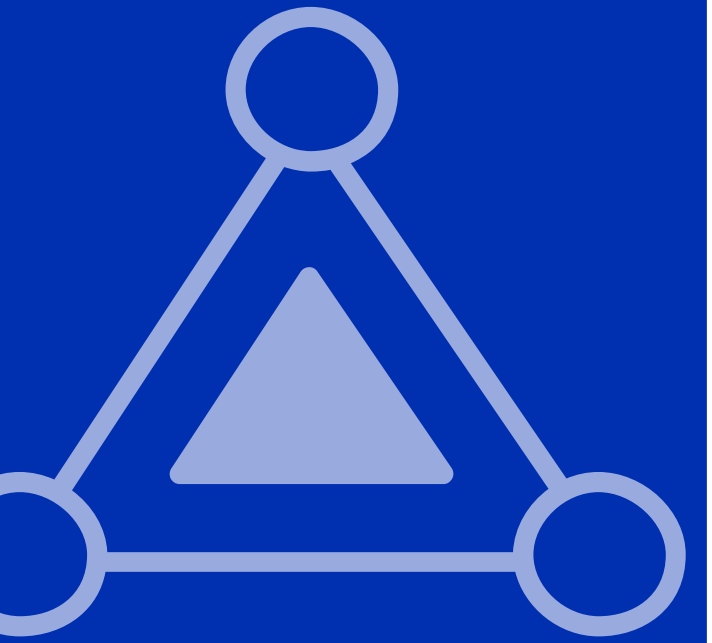
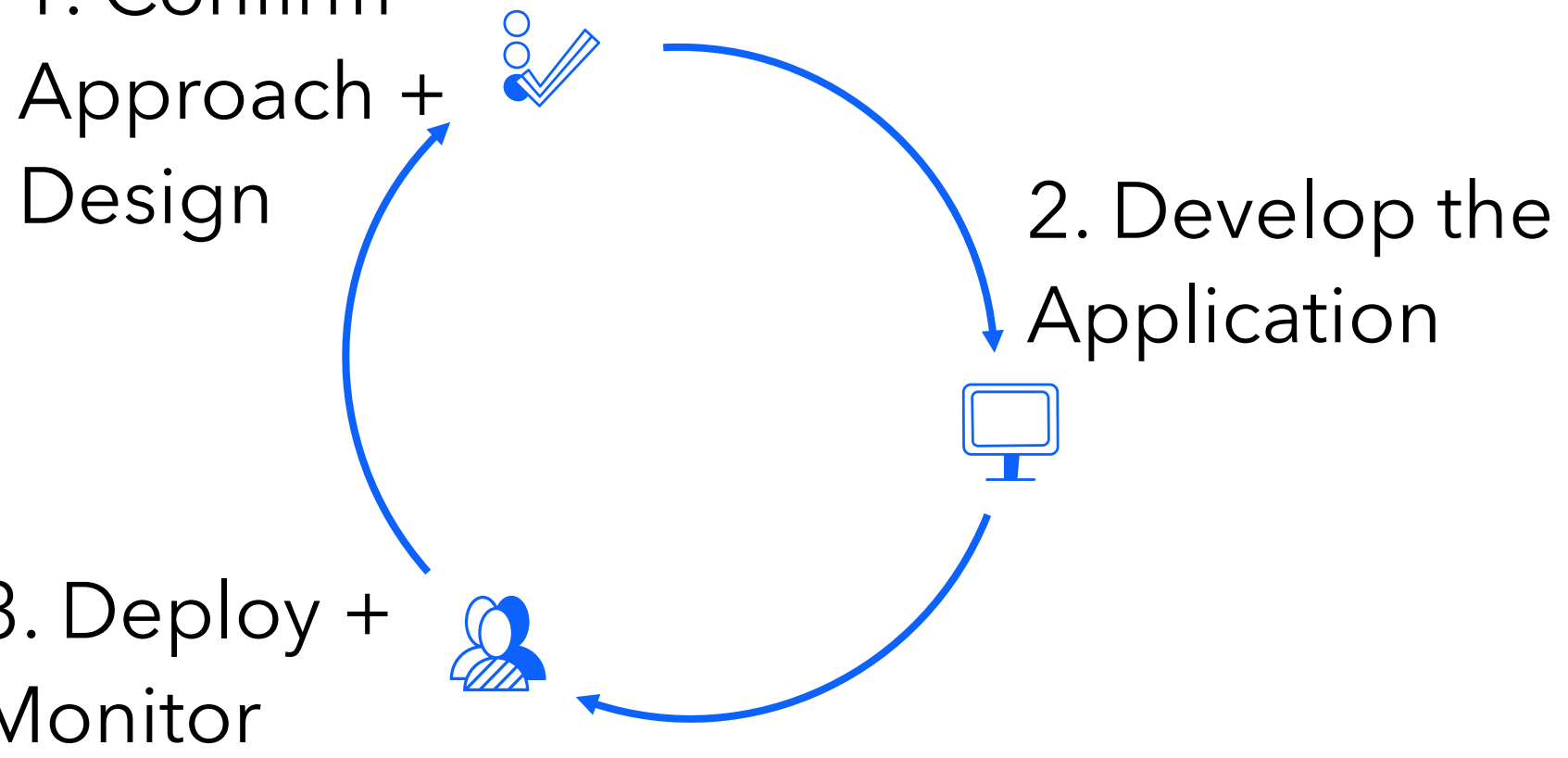
Execute Product Lifecycle



Confirm, Develop, Deploy + Monitor



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While modernization may seem like a daunting journey, there are tried and true methods to get there.

As you start modernizing, take advantage of the opportunity and prioritize ideation to design software that is extensible for the future.

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Thank you

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