

---

# Legacy Modernization Techniques for State & Local Government

## Advantages and Disadvantages

June 2011

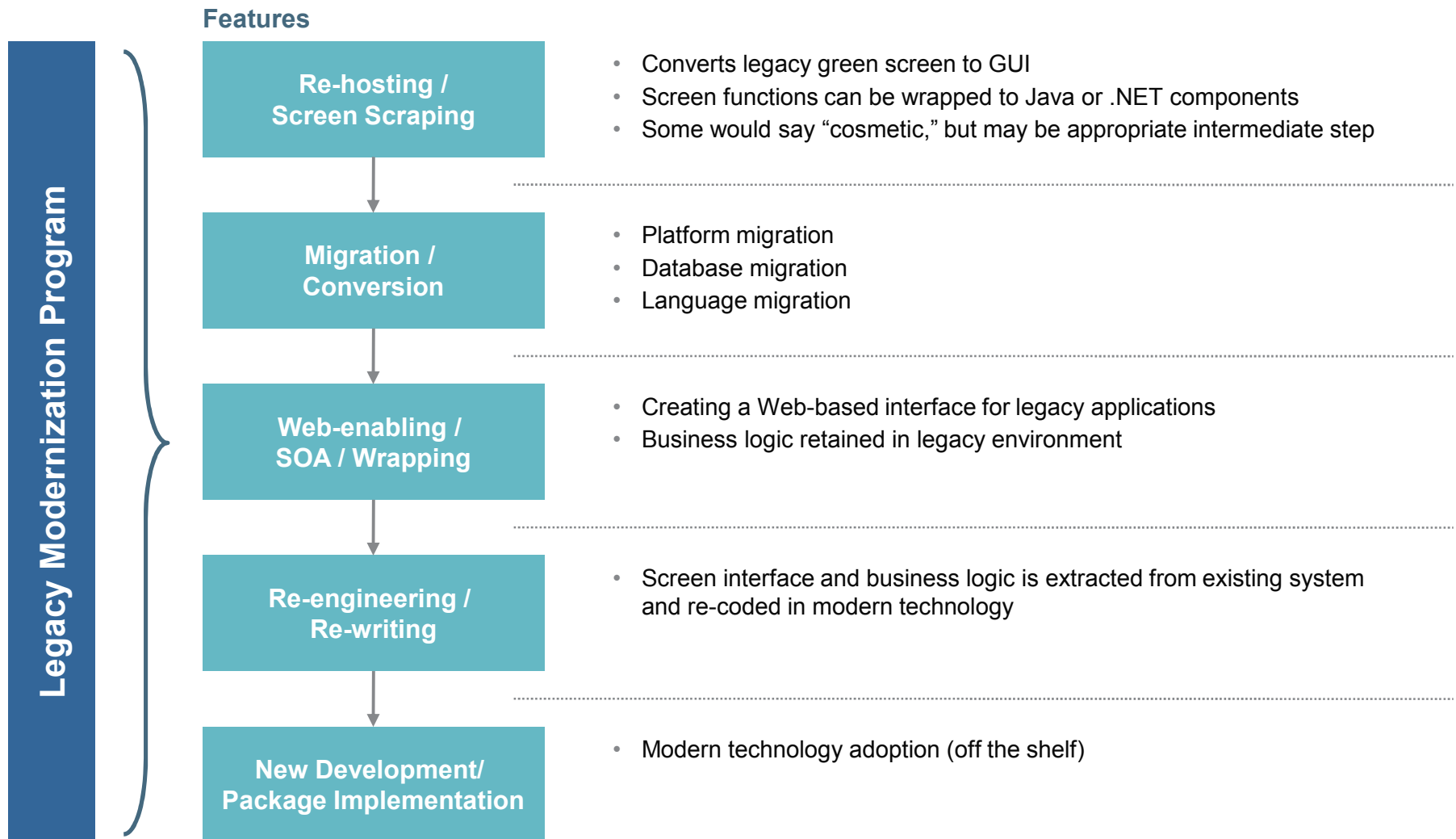
---

**Application and Infrastructure Solutions**

Australia | Canada | France | Germany | India | New Zealand | Singapore | Switzerland | UAE | UK | USA

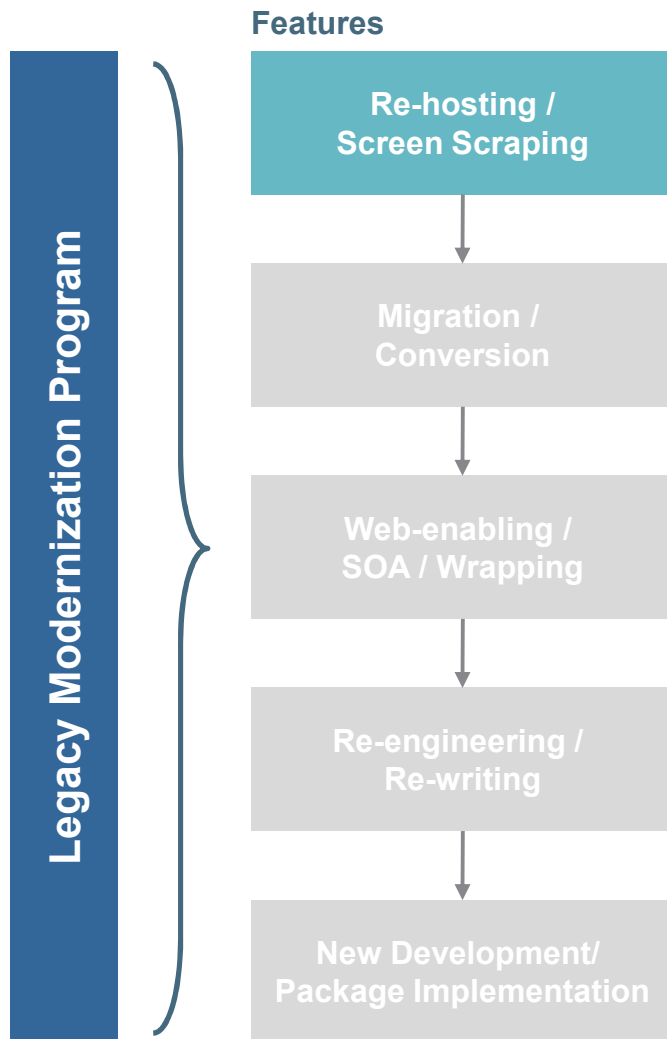


# Legacy Modernization Techniques



Any strategy has to be viewed as a combination of functional and technical modernization.

# Re-hosting / Screen Scraping



## Why?

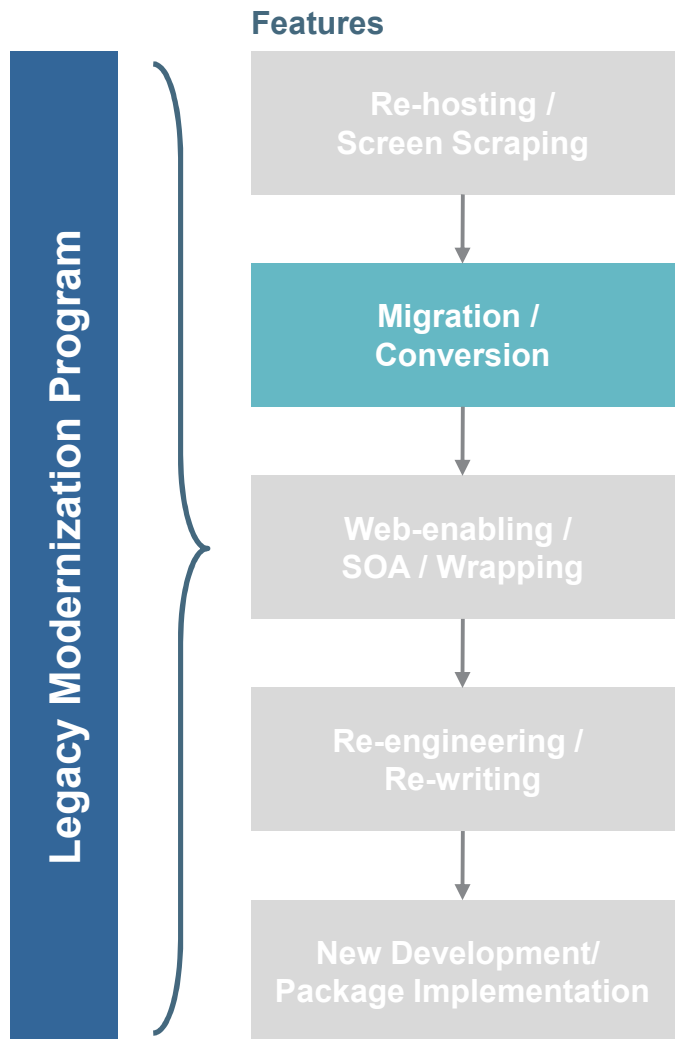
- Leaves existing application alone
- Relatively simple to do
- Relatively quick to accomplish
- Good choice for applications that have a limited shelf life
- Impressive to end users

## Why Not?

- Viewed by many as “cosmetic-only” approach
- Can be a performance nightmare
- Doesn’t show demonstrable progress

Any strategy has to be viewed as a combination of functional and technical modernization.

# Migration or Conversion



## Why?

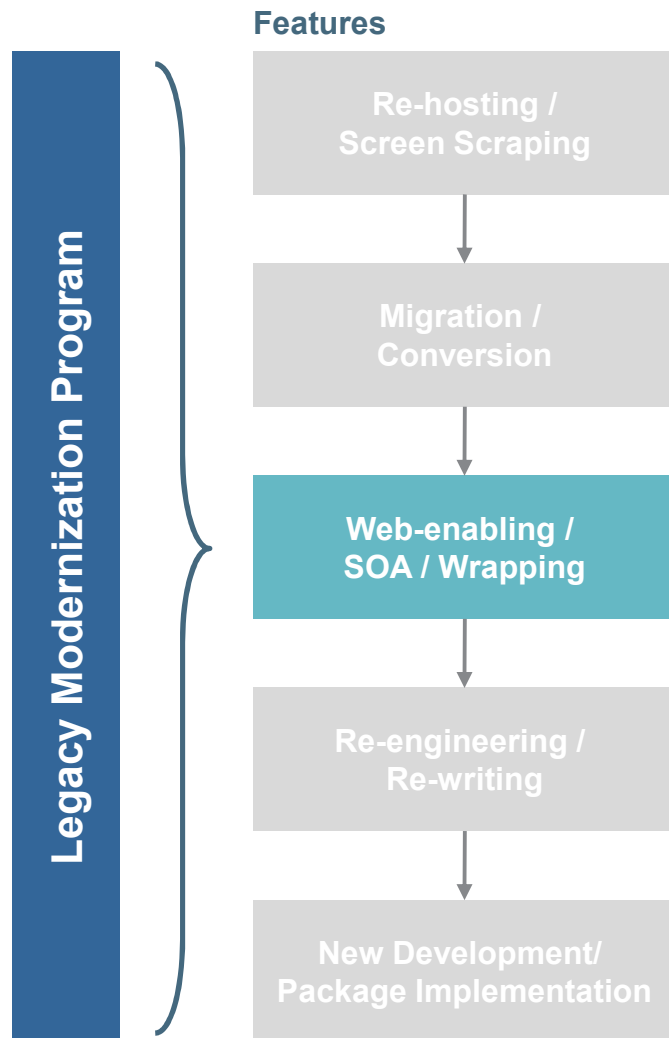
- Preserves the application as a valuable business asset
- Transfers all the business knowledge to new technology
- Complements other LM approaches
- Demonstrable progress into new technologies

## Why Not?

- Expensive and time consuming
- Not a good choice for low-value applications
- Requires business unit involvement in testing

Any strategy has to be viewed as a combination of functional and technical modernization.

# Web-enabling / SOA / Wrapping



## Why?

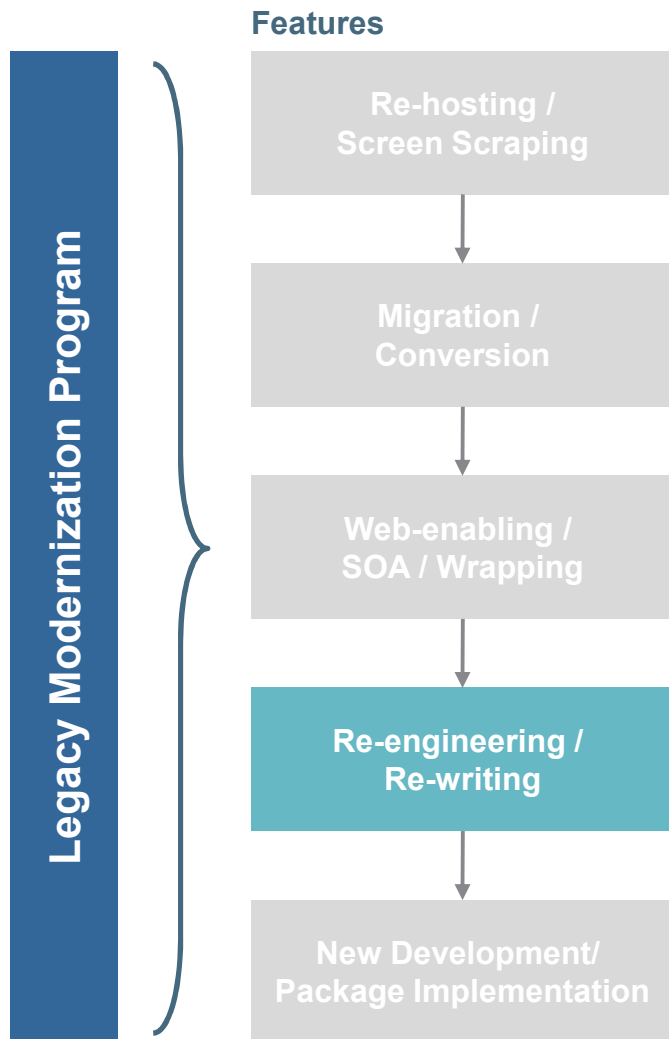
- Leaves existing application alone
- Broadens the access to the application
- One framework, many applications
- Promotes re-use
- Leverages existing investment
- Use to buy time

## Why Not?

- Viewed by some as “cosmetic-only” approach
- Can have performance implications
- Still need to maintain LM technology – puts off problems

Any strategy has to be viewed as a combination of functional and technical modernization.

# Re-engineering / Re-writing



## Why?

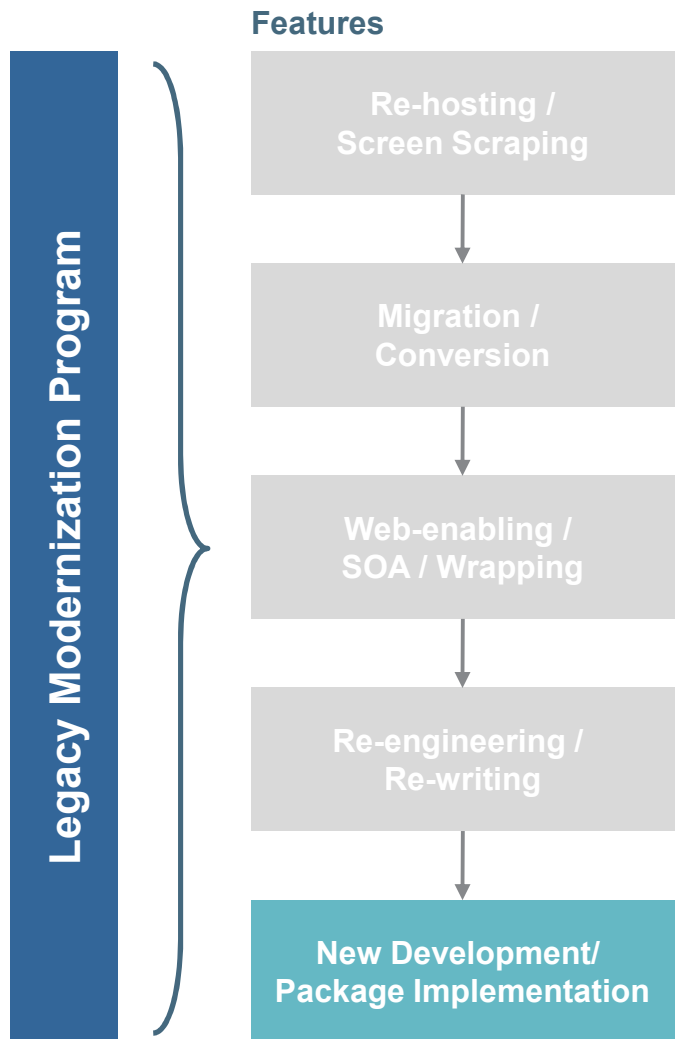
- Allows complete end user control of content
- Existing application generally does not meet business needs
- Re-writes existing functionality AND adds new content

## Why Not?

- Expensive and time consuming
- Very difficult to mine the business rules completely
- Requires large investment of IT resources – major initiative

Any strategy has to be viewed as a combination of functional and technical modernization.

# New Development / COTS / Transfer



## Why?

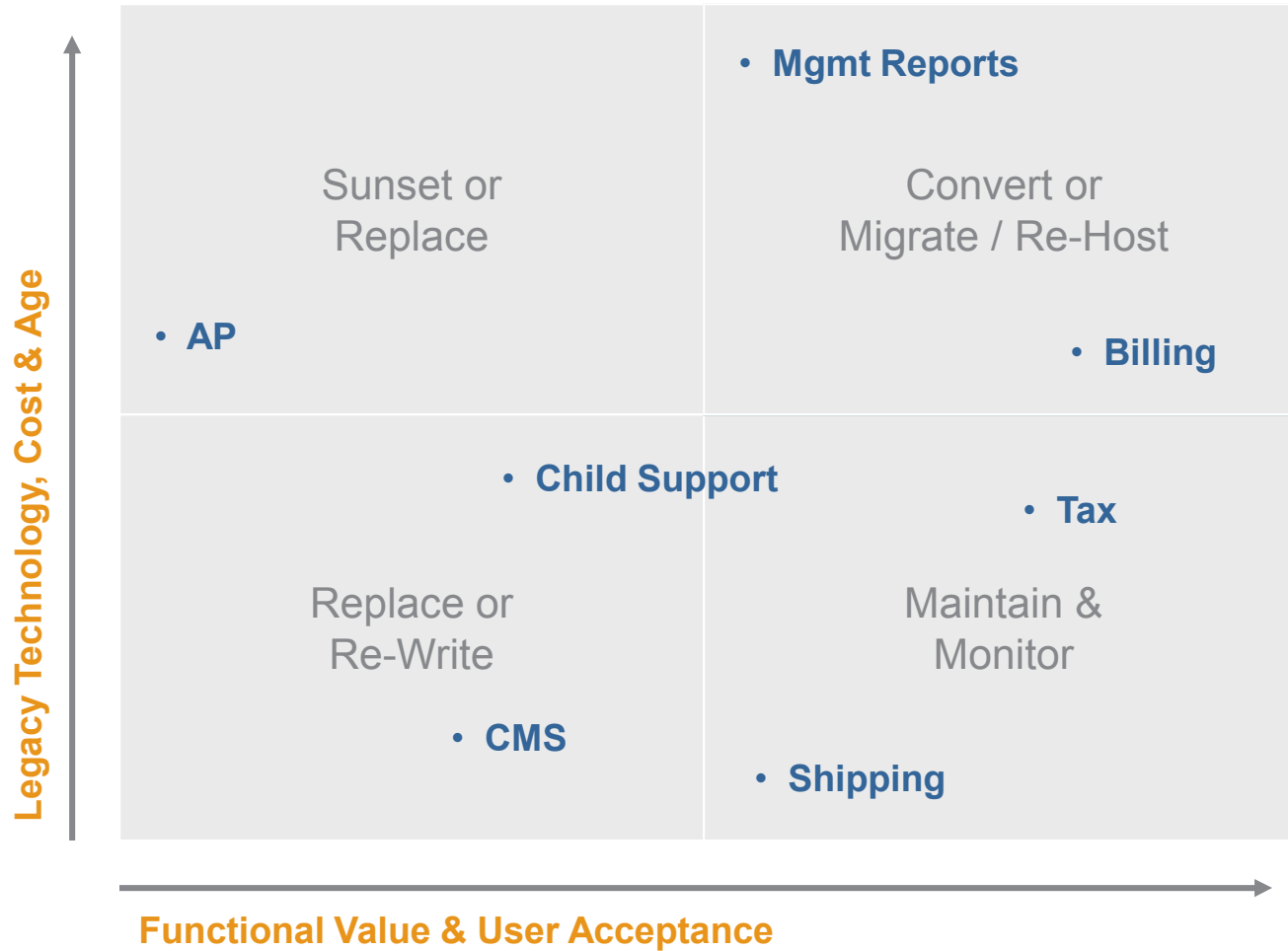
- Traditional SDLC activity
- Complete content control
- COTS product has high degree of applicability
- Transfers can be the quickest route to production and / or compliance

## Why Not?

- COTS vendor marriage
- Expensive and time consuming
- The degree of applicability may not be high enough

Any strategy has to be viewed as a combination of functional and technical modernization.

# Application Disposition Matrix



---

# Thank You



**[StateAndLocal@Keane.com](mailto:StateAndLocal@Keane.com)**

**Keane Corporate Headquarters**

100 City Square

Boston, MA 02129

Toll free: +1 877.88.KEANE

[www.keane.com](http://www.keane.com)

Australia | Canada | France | Germany | India | New Zealand |  
Singapore | Switzerland | UAE | UK | USA