



We manage the technology that lets you manage your business.

# Stages of Legacy Application Modernization

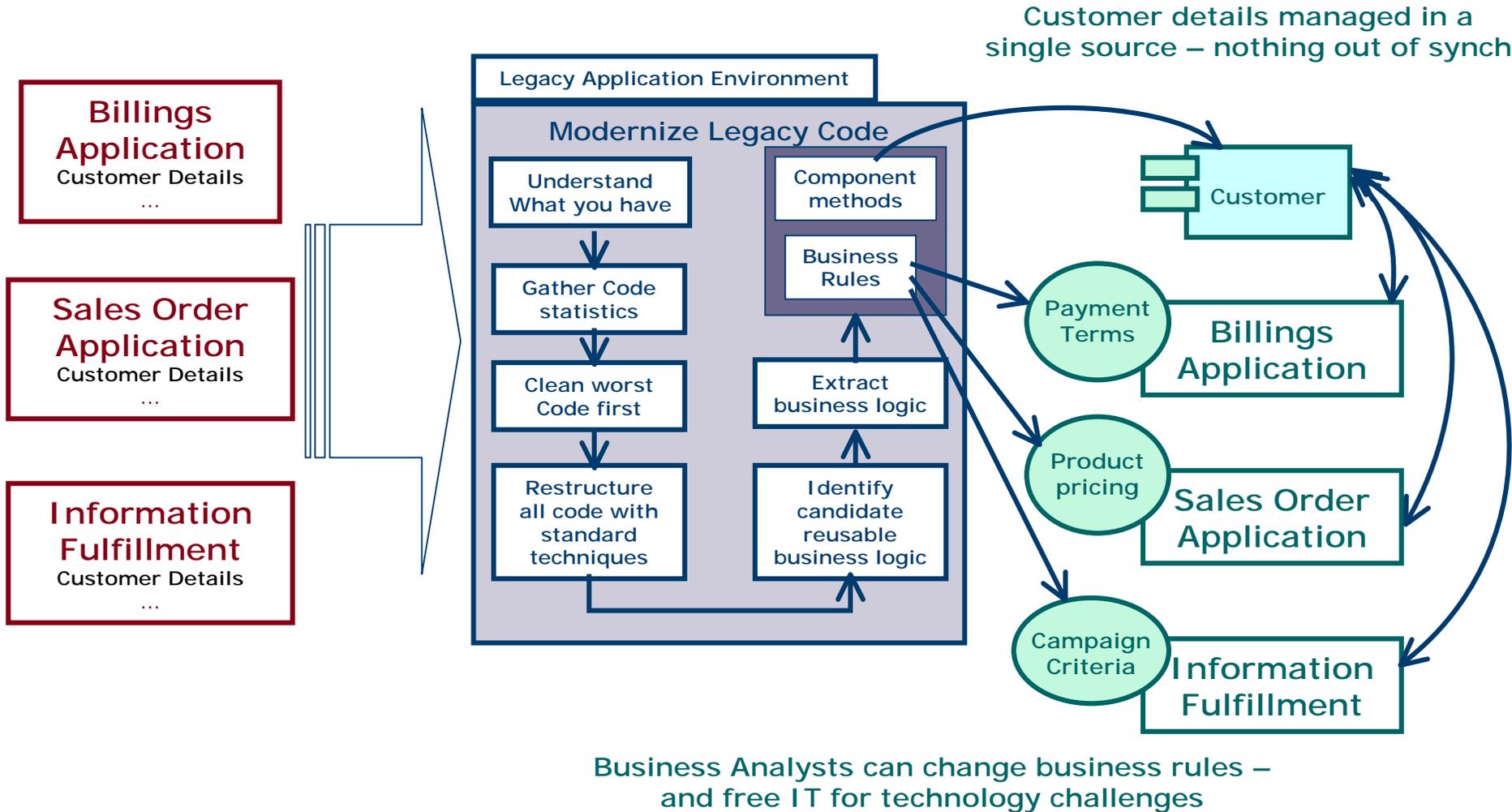
*Metadata enablement of a four-stage approach*

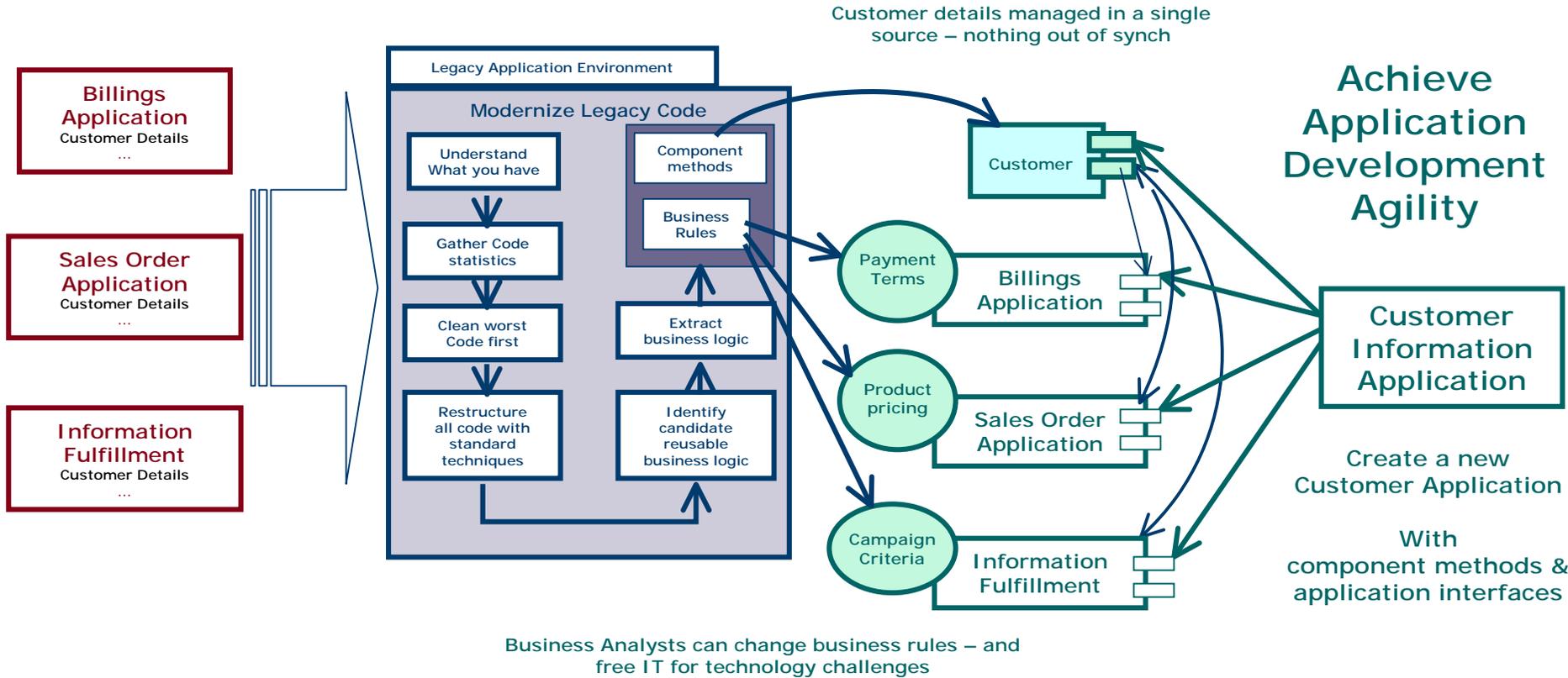
The speed of technology changes, coupled with the growing requirement for intra-organization software collaboration, makes modernization a must for survival

Some companies have followed a non-invasive approach for altering the application surface with eai and other approaches that utilized screen-scraping, generated interfaces, etc.

Some non-invasive projects have now evolved to cause a new level of complexity – the old code is still spaghetti and now there are additional layers of interdependencies

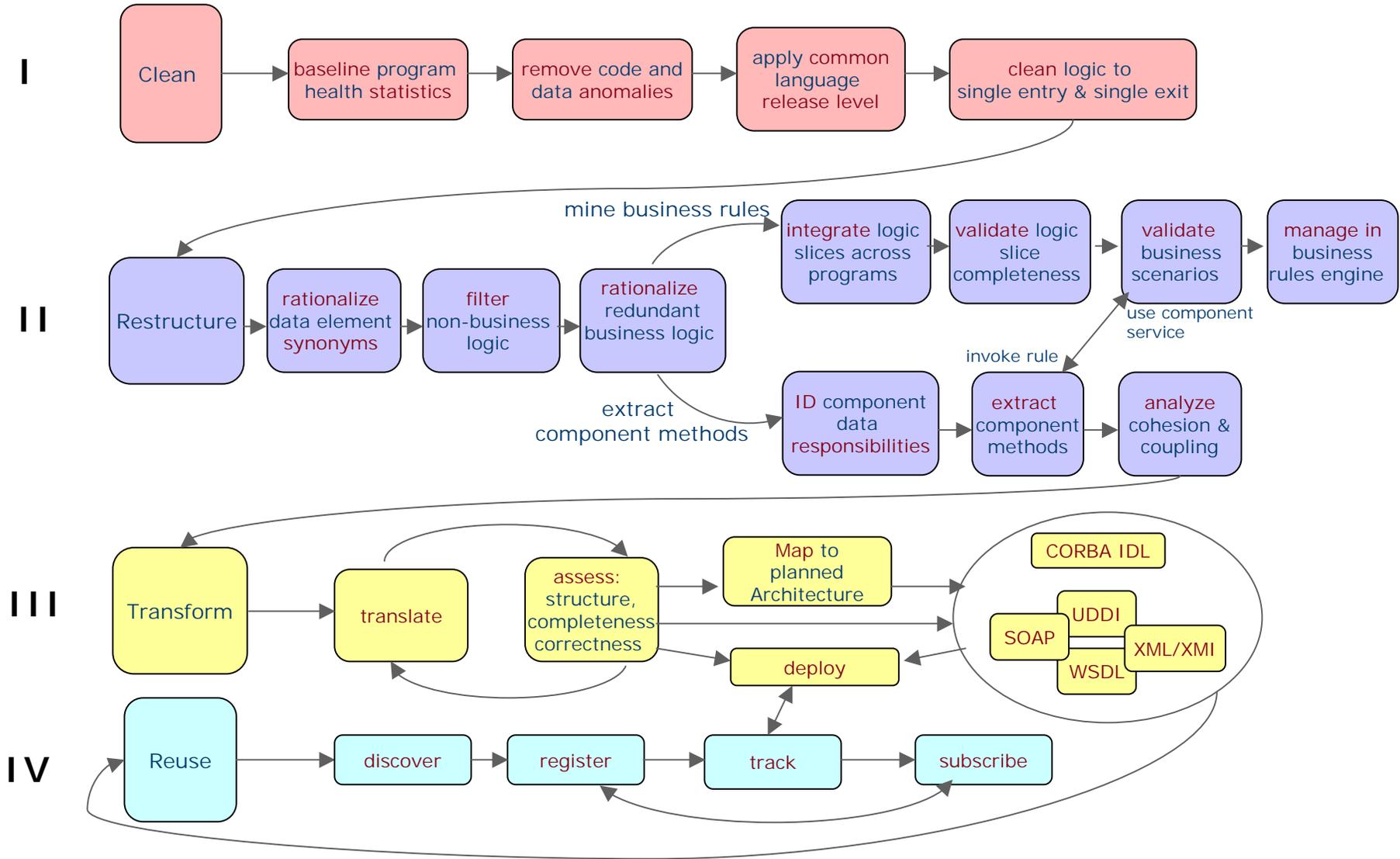
It is time to modernize the right way and recover manageable architectures

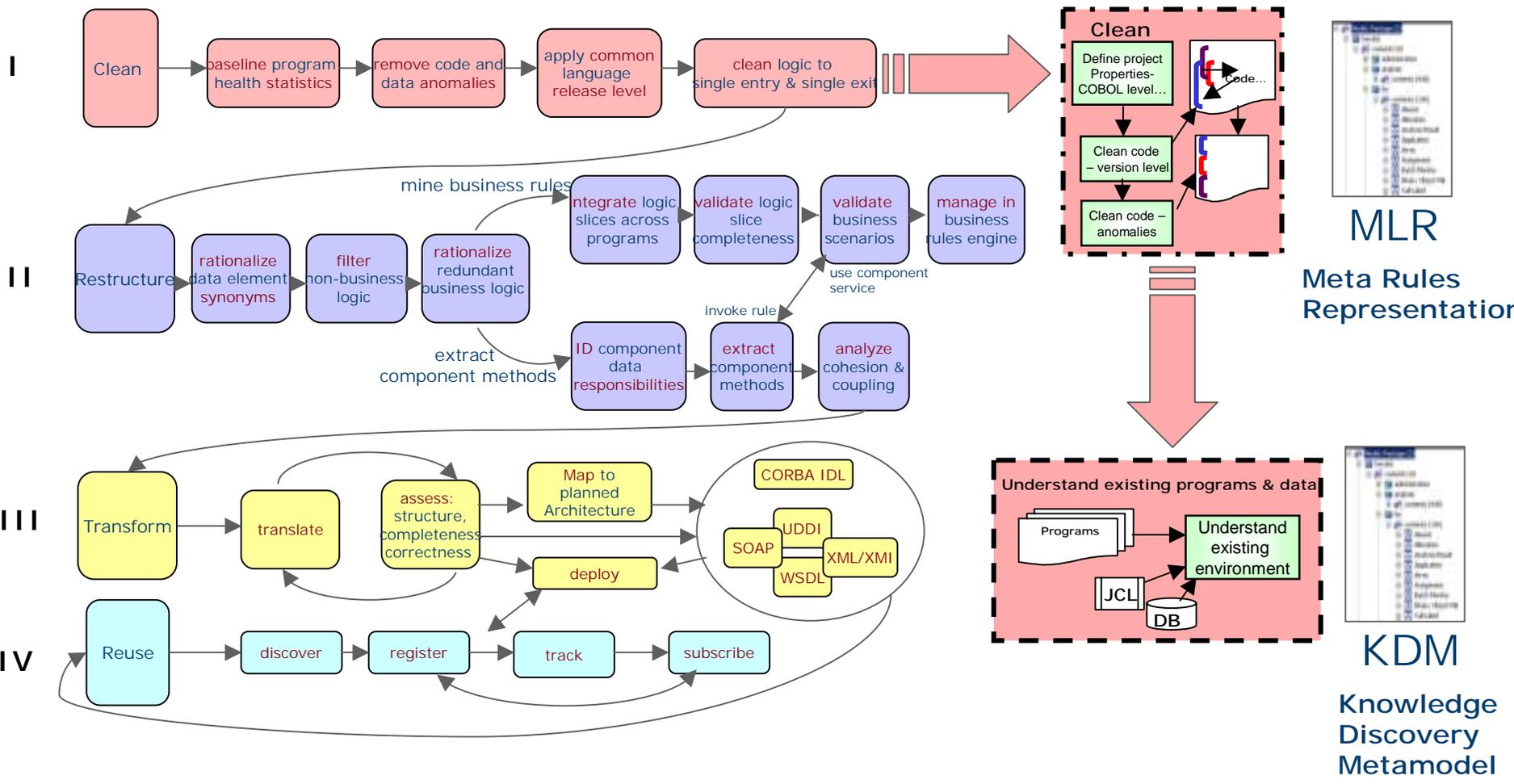


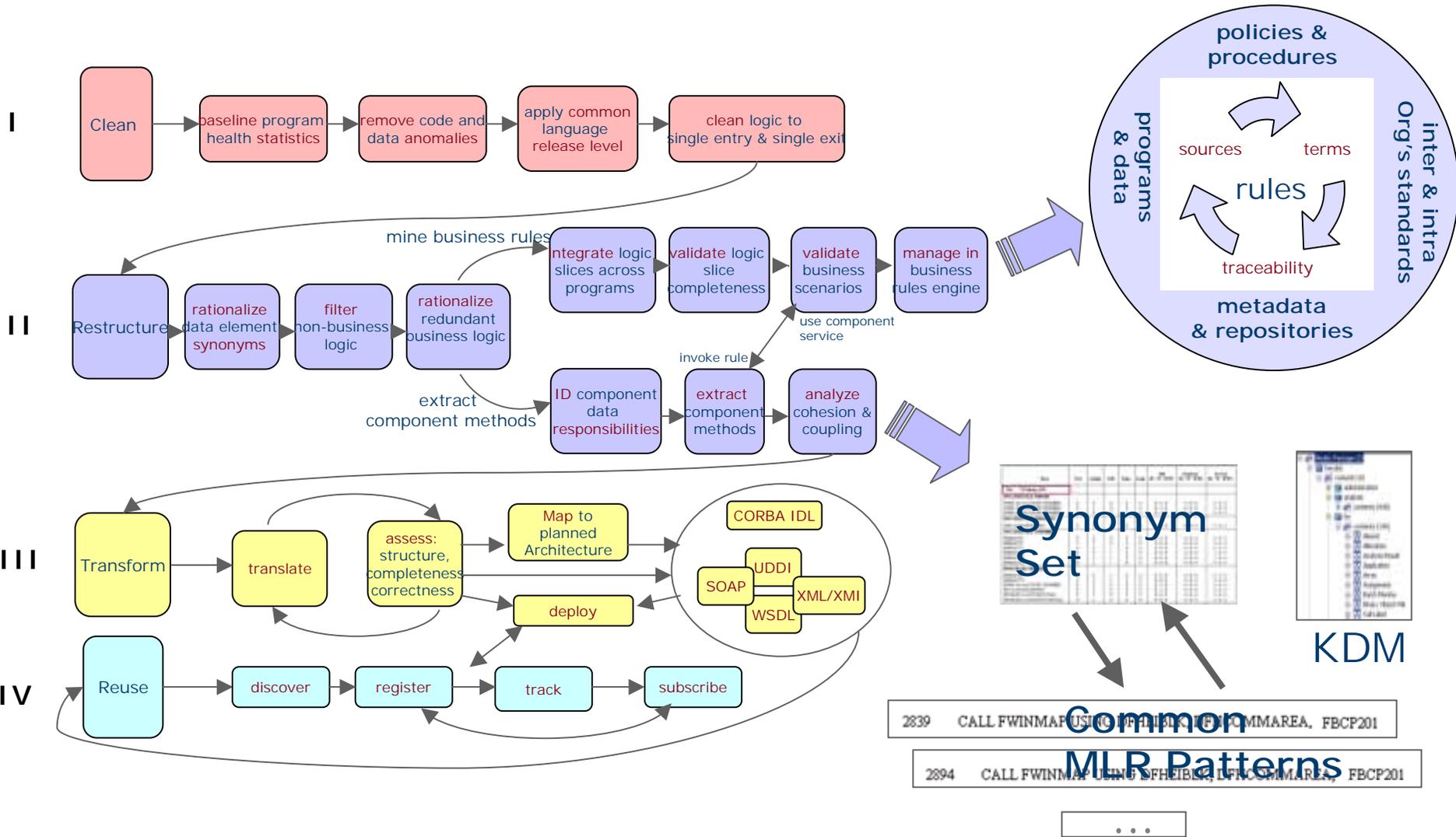


**Isolating business logic** from system code eases the impact of technology change

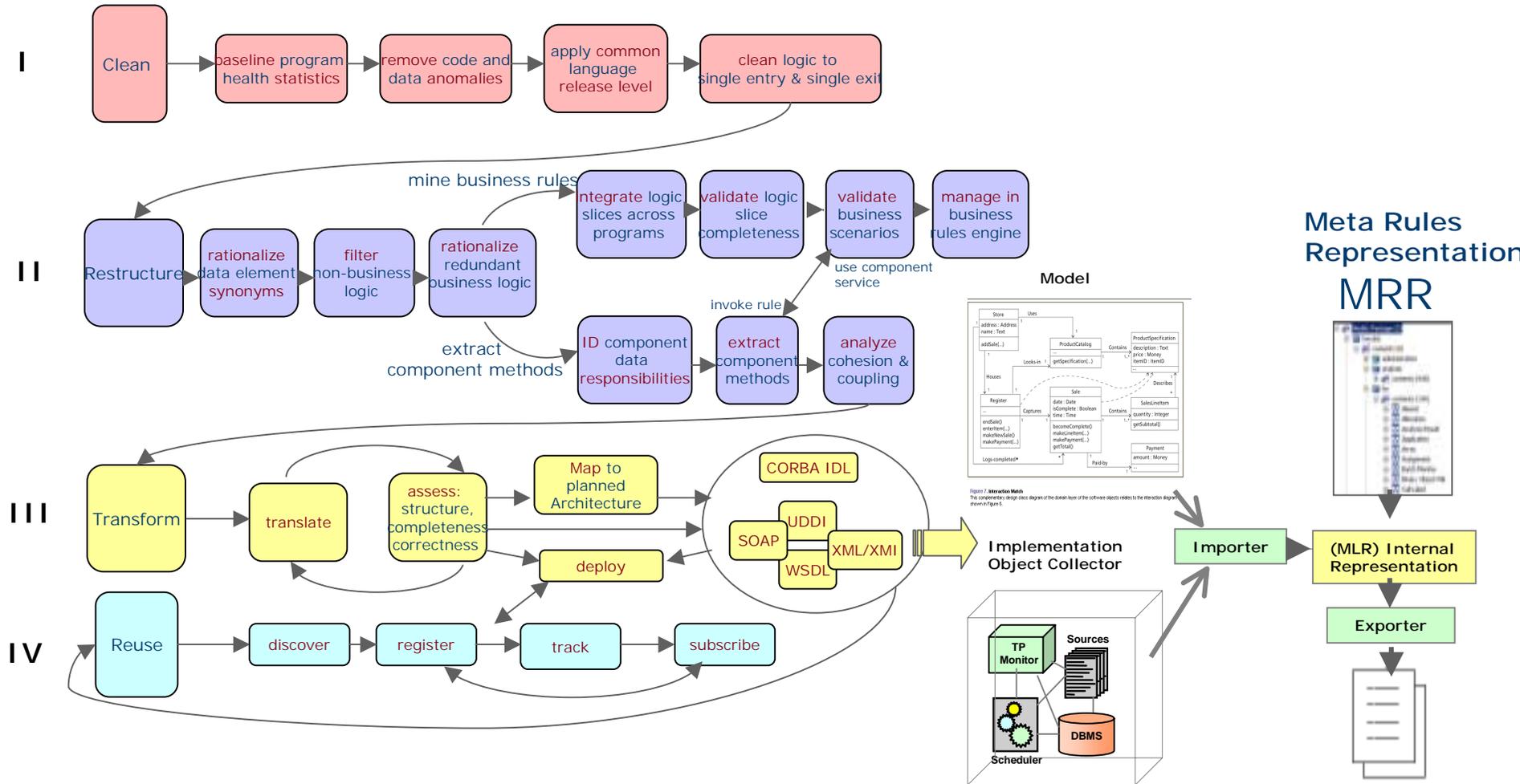
# Application Modernization Stages

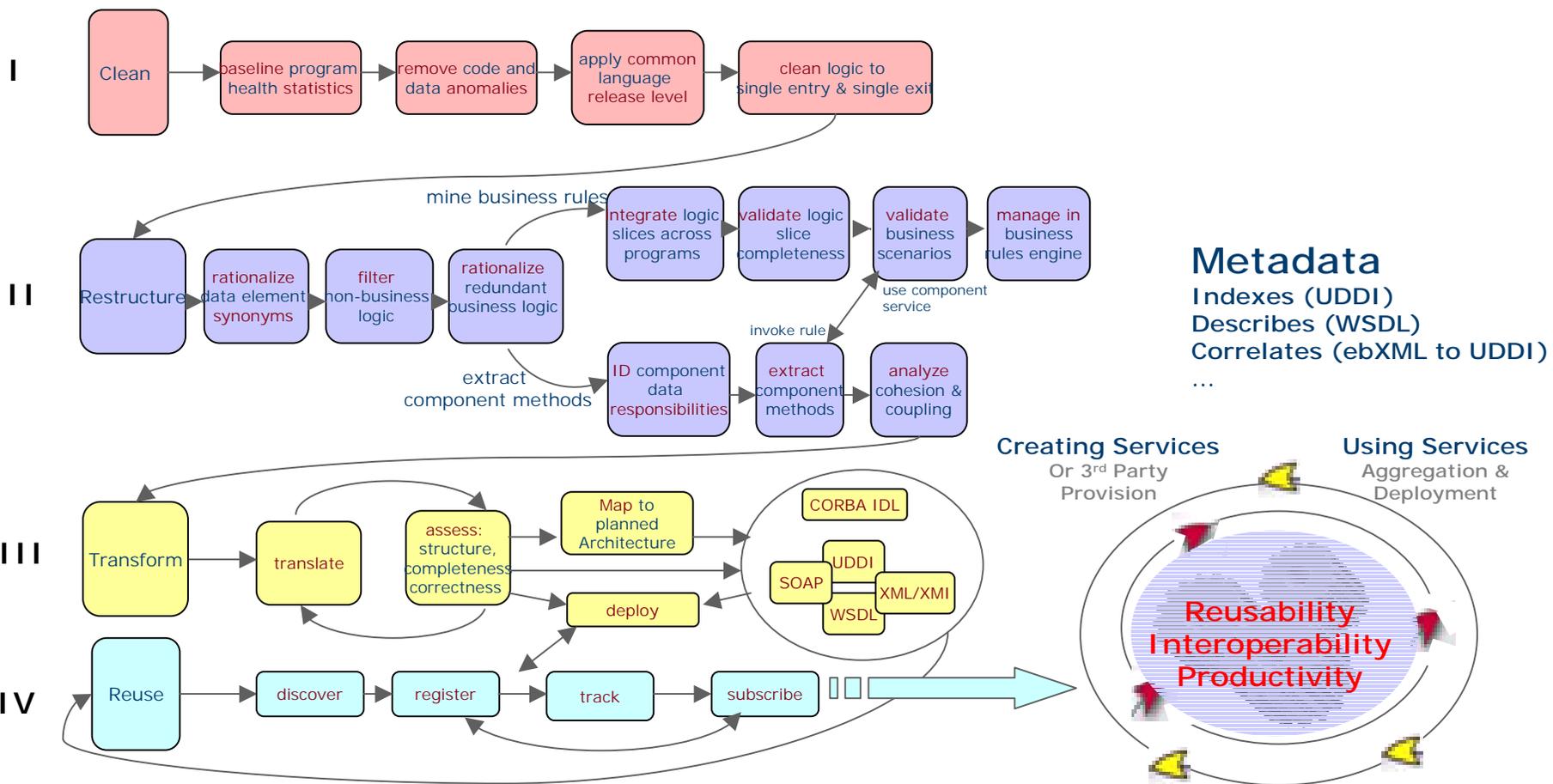






# Metadata Driving Application Modernization Stages





## Market view

- **Business rule and component method mining support the move to .NET, Java and more agile application development**

## Business view

- **Managing rationalized business logic separately from applications**
  - Can keep content in synch with single source maintenance
  - gives business users power over their own business changes
  - frees IT for technology challenges

## Technical View

- **Software code modernization can be automated**
  - Understand code and clean coding anomalies, dead code, dead data
  - Restructure code – mine business logic as component methods and/or business rules
  - Transform code to new languages and/or to new technologies and platforms
  - Manage modernized & discovered reusable software

## Future View

- **Standards and managed process play a critical role**
  - ITIL, MOF, CWM, W3C, SOAP, XML, WSDL, OMG (Legacy Transformation group) ...
  - Work Flow, repositories, application portfolio management
  - ASG XMI standard and SOA tool framework