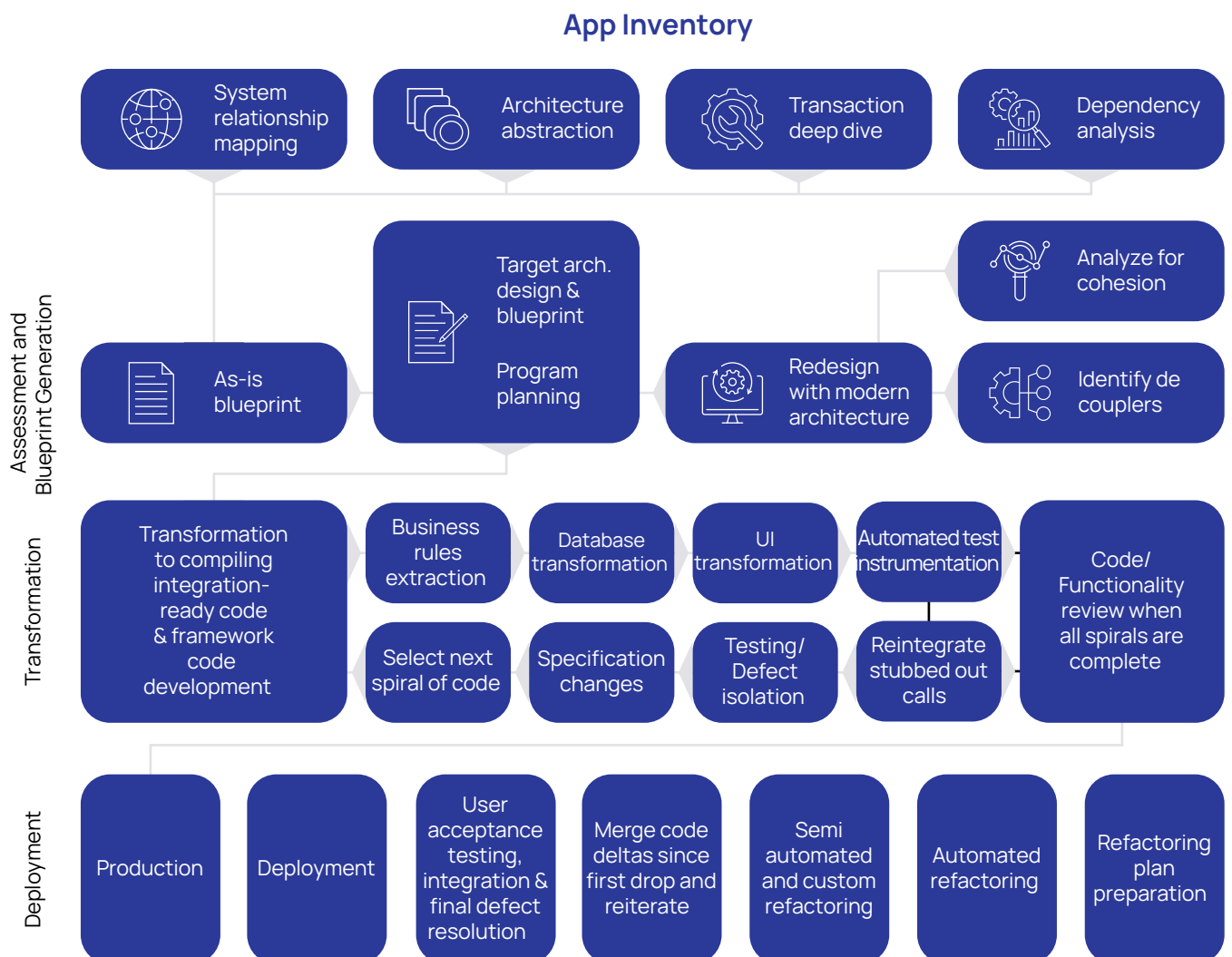NuSuMMit

Legacy Modernization Services

Overview

The COVID-19 pandemic accelerated the adoption of digital ways of working across industries. Today the overall approach to service delivery and consumption has changed drastically. The BFSI sector isn't an exception to this trend. Since the service approach itself has changed to meet the changing customer expectations, it is imperative that the legacy apps supporting the age-old processes also need to keep up with the changing times to fulfill the business demands, overcome the associated technology redundancy & vulnerability risks, and meet the changing compliances and regulations.
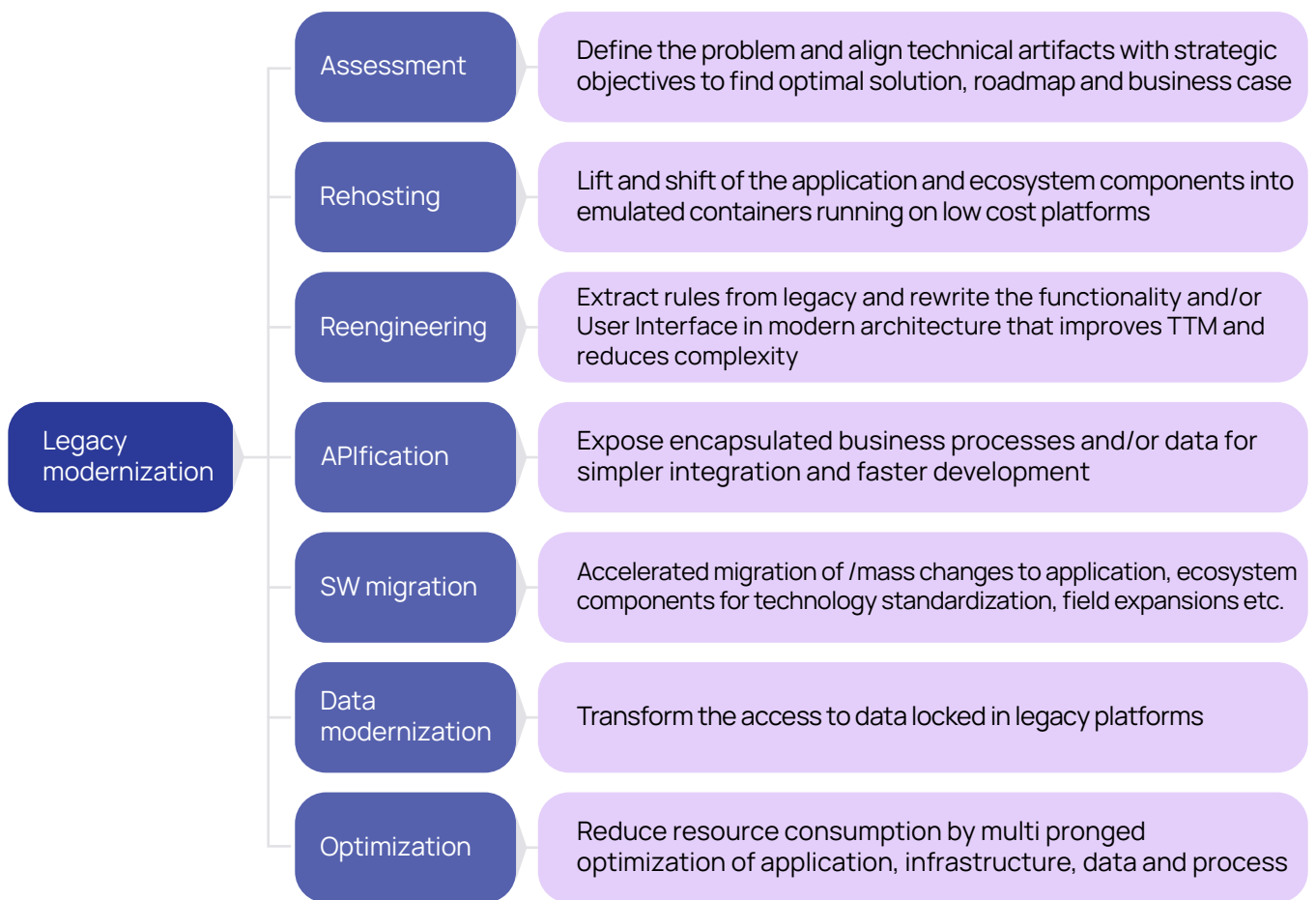
NuSummit Legacy Modernization Services

With proven credentials in the BFSI industry and established success stories of executing a range of legacy modernization projects for some of the leading BFSI players of the industry, NuSummit has developed a proven modernization methodology and a solid implementation approach. Our intricate methodology has four key stages - App inventory, assessment and blueprint generation, transformation and deployment. Each of these primary stages comprise of several secondary steps and activities that ensure business vale delivery of the highest standards without impacting the customer operations.

App Inventory

- System relationship mapping
- Architecture abstraction
- Transaction deep dive
- Dependency analysis

Assessment and Blueprint Generation

- As-is blueprint
- Target arch. design & blueprint / Program planning
- Redesign with modern architecture
- Analyze for cohesion
- Identify de couplers

Transformation

- Transformation to compiling integration-ready code & framework code development
- Business rules extraction
- Database transformation
- UI transformation
- Automated test instrumentation
- Code/ Functionality review when all spirals are complete
- Select next spiral of code
- Specification changes
- Testing/ Defect isolation
- Reintegrate stubbed out calls

Deployment

- Production
- Deployment
- User acceptance testing, integration & final defect resolution
- Merge code deltas since first drop and reiterate
- Semi automated and custom refactoring
- Automated refactoring
- Refactoring plan preparation

Implementation Approach

Legacy modernization

Assessment	Define the problem and align technical artifacts with strategic objectives to find optimal solution, roadmap and business case
Rehosting	Lift and shift of the application and ecosystem components into emulated containers running on low cost platforms
Reengineering	Extract rules from legacy and rewrite the functionality and/or User Interface in modern architecture that improves TTM and reduces complexity
APIfication	Expose encapsulated business processes and/or data for simpler integration and faster development
SW migration	Accelerated migration of /mass changes to application, ecosystem components for technology standardization, field expansions etc.
Data modernization	Transform the access to data locked in legacy platforms
Optimization	Reduce resource consumption by multi pronged optimization of application, infrastructure, data and process

Salient Features

Backed by two decades of experience in providing technology services to financial services players, our solution offers -

- System relationship mapping
- Architecture abstraction
- As-is and target blueprint modeling
- Automated code migration
- Transaction analysis
- Modern ecosystem reference framework
- Business rules extraction
- Code quality and FB baseline

Benefits Delivered

NuSummit's approach to modernizing legacy systems helps in:

Gaining operational efficiencies by overcoming technology constraints

Supporting the adoption of the latest digital technologies to meet customer expectations

End-to-end integration with modern systems optimizing User Experience while reducing costs

The NuSummit Edge

Modernization
Powered by industry standard tools

Digital framework
Enabling digitization of legacy application

Niche + Hyper scale partner ecosystem
Complemented our capabilities

Dedicated app modernization practice
Comprising of legacy and modern technology skills

Success Stories

Channel portal implementation for a general insurance company

Business Challenge
- To change the existing monolithic legacy channel portal environment to Omni-Channel
- To build a flexible, resilient, scalable, modern, digitized Channel Portal Platform based on micro-services

Business Impact
- New-age Cloud-ready digital Insurance platform with personalized customer experience hosted on AWS Cloud using all AWS Services.
- Platform architecture to attain scalability, extensibility and flexibility was created using Auto-Scaling Groups feature in AWS
- Seamless omni-channel and multi-channel experience created with multi-language capabilities, by hosting open-source & third-party services on AWS platform
- API integration with other systems but decoupled with Policy Administration using AWS API Gateway Management

Solution Approach
- Over 15000 policies issued per day with 9000+ users
- More than 50% reduction in policy issuance time from 8 mins to 2 mins
- Reduced GTM time for new products from 3 months to 1 month
- Supported over 30% YOY business growth
- Delivered a target user Net Promoter Score of 9.0

Quality certifications

About NuSummit

NuSummit is a global technology leader in AI-led digital transformation, specializing in applications, data, analytics, cloud, and cybersecurity. With over 300 clients worldwide, including 22 Fortune 500 companies, NuSummit supports organizations across industries. Our core expertise lies in banking, insurance, and capital markets, where we offer specialized solutions for these sectors.

With over two decades of experience and 3,000+ professionals, we deliver AI-driven, end-to-end solutions that integrate advanced cloud infrastructure and cybersecurity. Certified to top industry standards and backed by a robust partner ecosystem of hyperscalers and niche innovators, NuSummit is a trusted partner for secure, impactful digital innovation.

For more information, visit us at connect@nusummit.com

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