



Introduction to Gartner

Gartner is a leading research and advisory firm, providing valuable insights into technology and business strategy for enterprises globally, helping decision-makers navigate the complexities of IT transformation.

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Insightful Leadership

“Gartner empowers organizations to make informed decisions in an ever-changing technology landscape.”

GARTNER, INC.

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Gartner's 6R Strategy for IT Modernization

KEY APPROACHES TO SUCCESSFUL CLOUD
MIGRATION/MODERNIZATION MANAGEMENT

Understanding Gartner's 6R Strategy for IT Modernization

REHOST: LIFT AND SHIFT

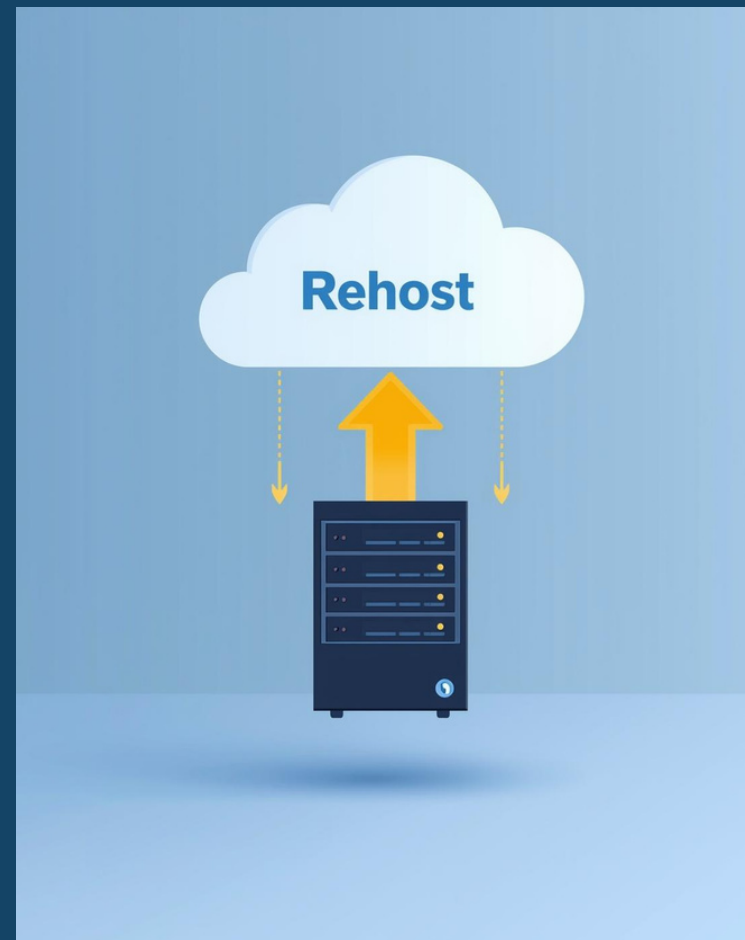
Migrate without changing architecture

REPLATFORM: OPTIMIZE FOR CLOUD

Improve codebase/architecture

REFACTOR: RE-ARCHITECT APPLICATIONS

Improve functionality in cloud



Refactor

- ✓ Improved Maintainability
- ✓ Reduced Technical Debt
- Time-Consuming
- Limited Transformation



Replatform

- ✓ Improved Performance
- ✓ Reduced Risk
- Limited Transformation
- Technical Debt

Gartner's 6R Strategy: Repurchase, Retire, Retain

REPURCHASE- DROP AND SHOP

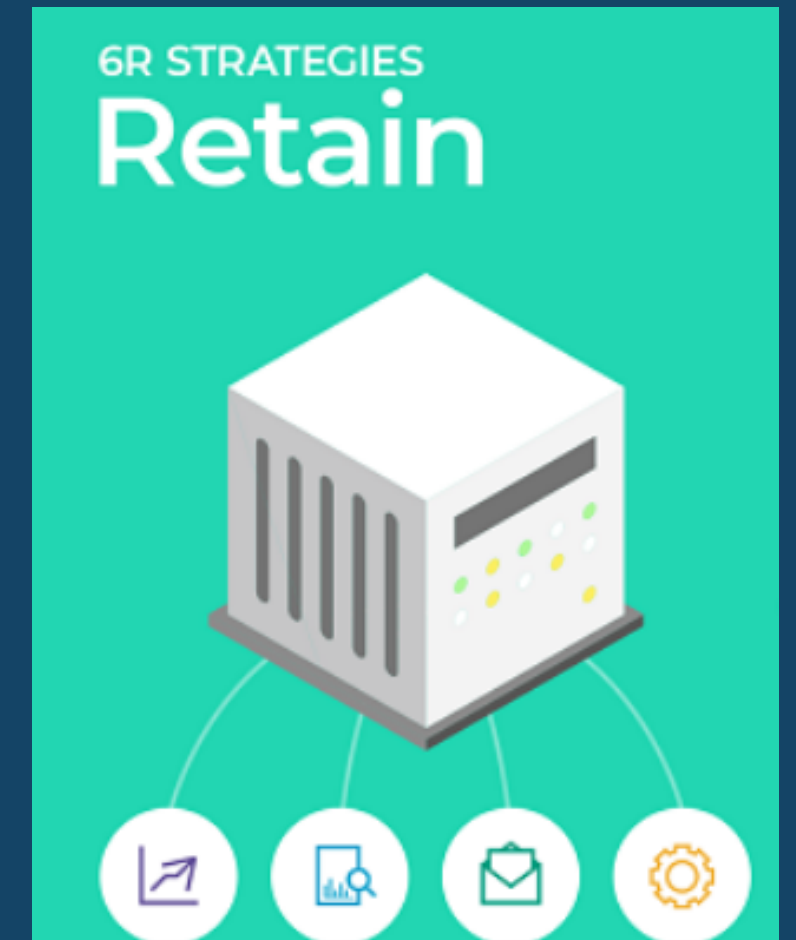
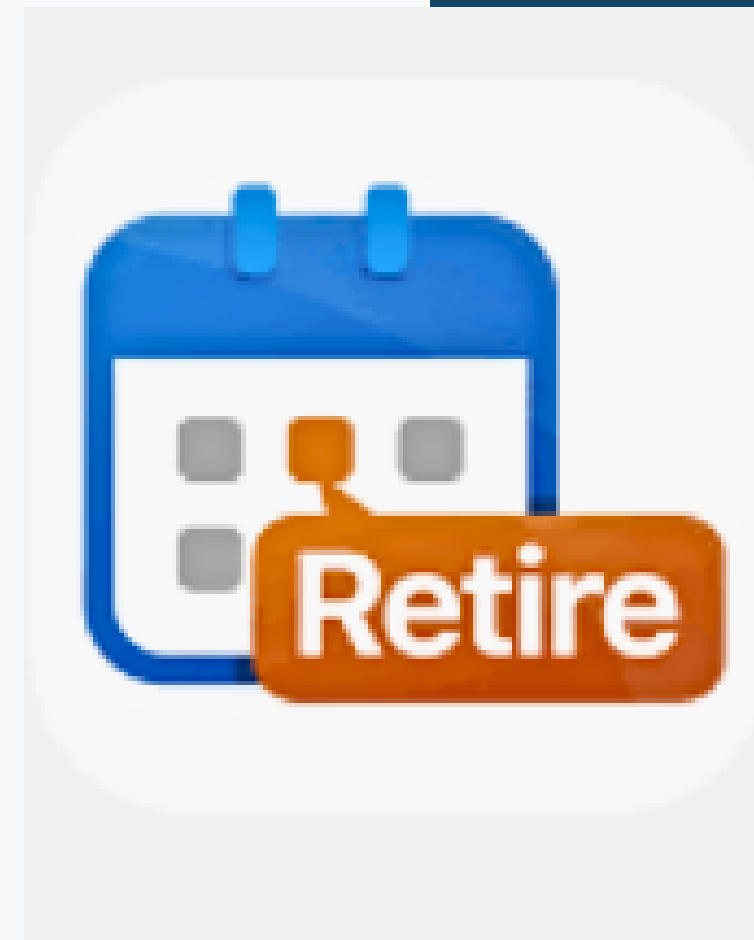
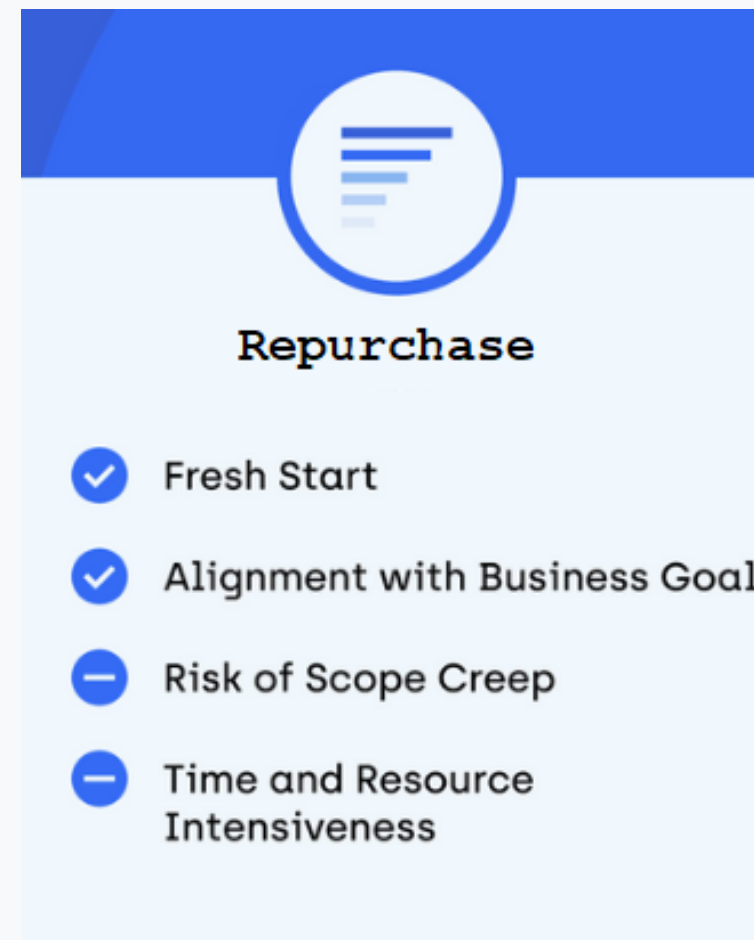
Moving to a new cloud/SaaS instead of migrating the existing application

RETIRE OUTDATED APPLICATIONS

Decommission non-essential systems

RETAIN ON-PREMISES SYSTEMS

Justify the need to keep



6 R CLOUD MIGRATION DECISION GUIDE

YOUR APPLICATION

Is your application cloud ready? Follow our guiding path through 9 important aspects you should consider.



APPLICATION LIFECYCLE CONSIDER THE LIFECYCLE OF YOUR BUSINESS APPLICATION

In phase out	Decommission shortly	Mid-term decommission	Production state
Retire	Retain	Rehost	▼

BUSINESS VALUE THE CURRENT AND FUTURE BUSINESS VALUE DRIVEN BY THE APPLICATION

Reconsidered as non-relevant	Unclear or basic value	Invest in business potential of application
Retire	Rehost	▼

DATA RISK THE RISK ASSOCIATED WITH APPLICATION DATA

Secret data stored or processed	Custom data protection requirements	Low or unspecific
Retain	Rehost	▼

COMMON CAPABILITIES STANDALONE OR OVERLAPPING APPLICATION CAPABILITIES

Strong overlap with existing business app	Covered by COTS/ SaaS	Distinguishable capabilities
Retire	Repurchase	▼

TECHNICAL DEPENDENCIES TECHNICAL DEPENDENCIES AND POTENTIAL BLOCKERS

Strict hardware dependencies	Strict runtime dependencies	Avoiding problematic dependencies with OSS or cloud native	Unspecific
Retain	Rehost	Refactor	▼

MIGRATION RESOURCES PEOPLE AND RESOURCES THAT MAKE TRANSFORMATION HAPPEN

Limited skills and people	Limited time or skills	Sufficiently available
Retain	Rehost	▼

OPERATIONS CONFORMANCE CONTINUATION OF CONFORMING TO ADOPTED STANDARDS

Security/industry standards or software licenses block cloud operation	Cloud operation conformant
Retain	▼

OPERATIONS RESOURCES MEASURES FOR STEADY OPERATIONS

Resembling current state and activities	Avoiding maintenance	Reducing maintenance efforts, increasing consumption or scalability
Rehost	Repurchase	▼

GROWTH AND EXTENSIBILITY SUPPORTING BUSINESS GROWTH AND DRIVING INNOVATION

Vertical scaling sufficient	Use of managed platform services beneficial	Architectural overall necessary	Not required
Rehost	Replatform	Refactor	▼

READY FOR TAKE OFF?

HOW MANY CLOUDS DID YOU COLLECT?



Rehost



Repurchase



Refactor



Replatform

DO YOU NEED MORE GUIDANCE?

We can help you! Future Cloud Transformation offers optimal tool support along your entire journey to the cloud.

[Visit: Renotron.app](https://www.renotron.app)



6 Rs of Cloud Migration

- Retire = the application is phased out
- Retain = decision for application migration is taken at a later stage
- Rehost = "lift & shift", application is simply copied as-is to a cloud provider
- Replatform = the application's core architecture is the same, some cloud platform adoptions are made
- Refactor / Rearchitect = the application is refactored using an alternative application architecture
- Repurchase = the legacy application is fully replaced by a SaaS-solution

EMAIL ADDRESS

contact@renotron.co

CONTACT NUMBER

+91 903 555 7085

WEBSITE

www.renotron.co