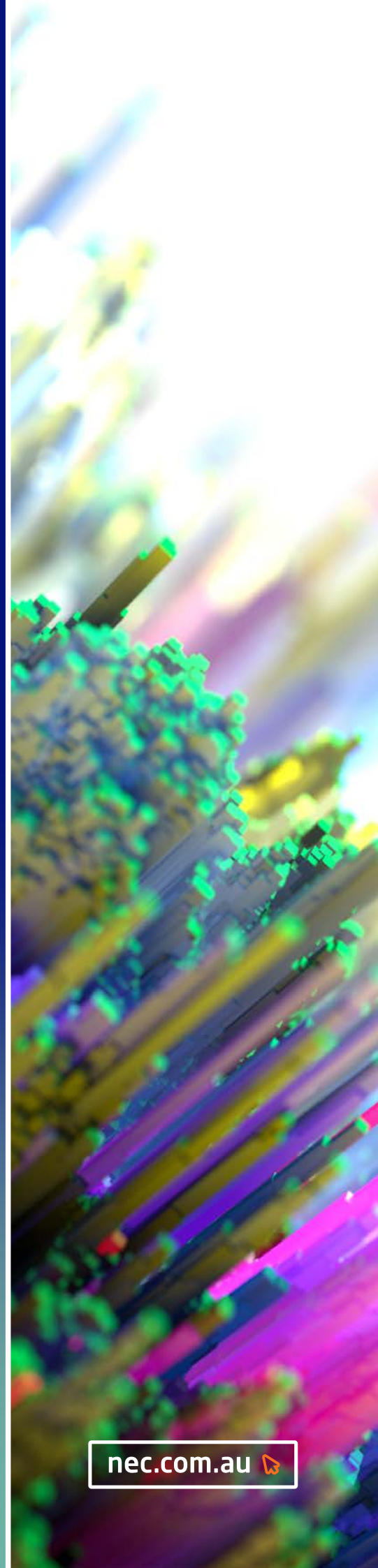



Application Modernisation

Transform your legacy ICT ecosystem into a flexible and efficient environment to eliminate technical debt and foster innovation and growth.





For decades, organisations have been designing, developing, and enhancing applications portfolios and associated infrastructure to increase efficiencies and productivity. The acceptance of cloud computing is driving organisations to modernise their applications to introduce greater flexibility and realise the benefits of scalability, improved security, capacity on demand, and reduction of overheads.

Application Modernisation is the process of taking existing legacy applications and modernising the platform infrastructure and internal architecture using new languages, frameworks and cloud native architecture to enhance the legacy application's features. Application modernisation is no longer about merely converting or migrating code or disposing or replacing applications. It is the foundation of business transformation.

If the total cost of ownership is too high, the technology too complex, or security, compliance, support, or scalability are being compromised, it's time to modernise.

Gartner

Service Overview

NEC has created a framework with a package of templates wrapped with our advisory services to assist you to modernise your ICT environment.

Our Application Modernisation service takes the outputs of NEC's Journey to the Cloud architecture baseline service as the basis to developing the modernisation pathway. If you have conducted your own analysis of your current state environment, NEC will ingest the data into our Digital Transformation Service (DTS) tool to validate the information.

Key drivers to modernise

01 Business fit	02 Business value	03 Agility
04 Cost	05 Complexity	06 Risk

Service Modules

Project Kick-Off

NEC's consultants will conduct a project kick-off meeting with you. The outcome of this meeting will be agreement on project resourcing, timeline and logistics.

Surveys

Business, financial and technology surveys are the vehicle for capturing the organisations perspective of what applications are candidates for modernisation and cloud transformation. The results help the technology stakeholders make strategic decisions related to the IT infrastructure of the organisation.

Current State Cost Modelling

NEC adopts a practical adaptation of the Technology Business Management (TBM) Hierarchical Taxonomy of IT Services, Towers, and Cost Sources. By capturing IT cost insights, we can illustrate where current capital is tied up in IT initiatives, solutions, and services.

Application Categorisation

The initial categorisation of candidate applications follows the 7 R's (Retire, Retain, Relocate, Rehost, Repurchase, Replatform, Refactor). To determine the most appropriate modernisation pathway many business, financial and technical drivers need to be considered. These are the determining factors for which pathway is deemed appropriate for each workload. The output of this phase is a report that highlights the recommendation for each application and the reasons for selecting the transition pathway.

Transition Services Planning

Transition planning involves decomposing the modernisation pathways identified earlier, the desired timeline and tranches for delivering application modernisation and transformation. NEC consultants review the business and IT strategies and in-flight business projects to determine if there are any items that are needed to be considered during the modernisation tranche planning. This includes transitioning from CAPEX to OPEX and time-based cost modelling.

Future State Cost Modelling

The findings and outputs from the application planning and current state cost modelling provide the basis for modelling the future state. Through the modelling of the current and future costs, we begin to change investment decisions to achieve greater business value based on the strategy and goals of each of the Organisation's Business Units.

Pilot Transition Project

An agreed number of workloads will be transitioned to the cloud as a pilot. The pilot validates the application modernisation strategy and transformation methods providing a level of comfort required for you to embark on the full journey.

Features & Benefits

End-to-end journey

Whether you're starting your cloud migration journey, examining ways to optimise your cloud investment or want an expert to manage your hybrid cloud environment, Sora by NEC can get you started.

Datacentre and hybrid strategy

Organisations who need to move out of their existing datacentre(s) due to the approaching end of life of the existing contract. NEC tailors the application modernisation and transition to the desired exit date.

Reduce costs

Identify opportunities to rationalise the existing technology environment reducing cloud, licensing, and management costs.

Improved security

The service provides a pathway to leverage public cloud providers collective investment in security research, innovation and protection providing enhanced ICT security, governance and compliance.

Leverage cloud native services

Application modernisation provides the opportunity to revolutionise monolithic legacy applications into microservices to introduce business agility and transformation.

Time base cost models (TBCM)

Model the transition from CAPEX to OPEX over time. The TBCM provides the information to improve budgeting, forecasting and management of ICT costs and assets during the transformation.

Reduce technical debt

Cloud-based technologies provide customers the opportunity to reduce application development delivery lead times. Combined with automation and AI, organisations can adopt a new approach and flexible architecture that facilitates long-term strategic thinking and business opportunities.

Enhanced agility

Modernisation applications supports an organisation's hybrid workforce. Through the cloud's flexibility and accessibility, organisations are more equipped to support a workforce that can work anywhere they want.

Enriched governance

Application leaders evaluate various modernisation approaches to select the transformation pathways that solves their specific problem, while also meeting the organisation's acceptable level of risk, cost, and impact.

Why NEC?

NEC is a XaaS business, which leverages our Business and Technology Advisory services to provide a business centric approach to delivering innovative, unique, and proven services. We have end-to-end cloud capability to assist you on every step of your transformation journey - from discovery to migration, management, and optimisation of our customers' ICT environments.

- Deep partnerships with global providers such as Microsoft (Azure) and Amazon Web Services (AWS), Technology and Services Industry Association (TSIA), CISCO and HP ensure we bring the latest thinking, practices and tools
- We strive to maintain high ethical standards and heavily invest in skills and technology as well as product development and global research
- NEC has a proven track record spanning more than 50 years of engineering success and delivering support to Australian organisations, both large and small

For more information on our Application Modernisation:

nec.com.au



contactus@nec.com.au



131 632

Japan (Corporate HQ)
NEC Corporation
www.nec.com

Australia
NEC Australia Pty Ltd
www.nec.com.au

North America (USA)
NEC Corporation of America
www.necam.com

Asia Pacific (AP)
NEC Asia Pacific
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www.nec-enterprise.com

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