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Effective Electronic Patient Record Implementations Sustainability and Optimisation

July 2021

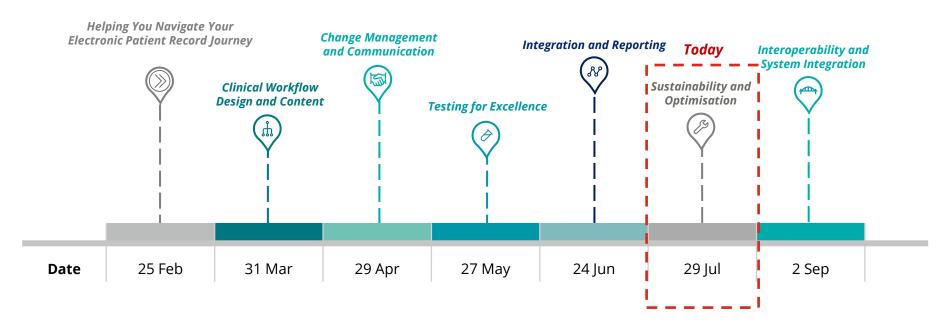
Effective EPR Implementations: Overview of the Series, Purpose, and Schedule

The Effective EPR Implementations webinar series is a set of seven one-hour virtual sessions with Healthcare providers. This series is focused on EPR implementations and driving your success through a holistic implementation approach

Purpose

- ✓ Focus on effective partnerships necessary to succeed in EPR implementations
- ✓ Highlight common pitfalls faced by clients and areas needing support
- ✓ Share key strategies necessary for healthcare practice transformation through EPR implementations

Schedule



Speaking With You Today



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Setting the Foundation: Governance, Guiding Principles, and Effective Decision Making

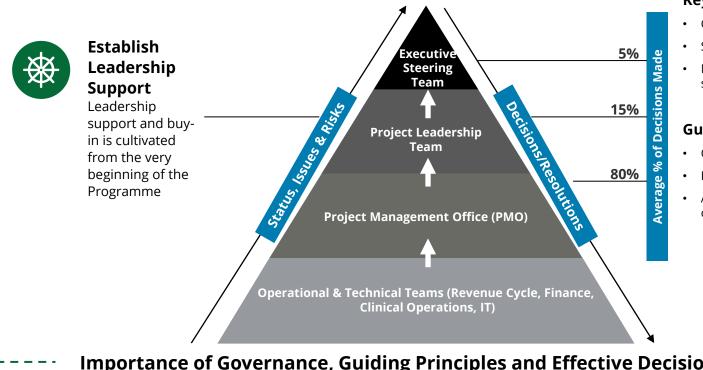
Setting a strong foundation from the beginning enhances overall outcomes and Programme success.

Governance

A well-structured governance model helps ensure decisions are made at the right level, by the right stakeholders, at the right time

Guiding Principles

Establishing appropriate Guiding Principles sets the ground rules for system design and implementation, guides decisions, and keeps teams focused on overall goals, objectives, and the desired end state



Effective Decision Making

Decisions that could potentially impact the programme timeline, cost, quality, safety and/or future-state operating model should be escalated to programme and clinical governance

Key Success Factors

- Clear prioritisation process and criteria '
- Strong project and capacity management capabilities
- Maintain components of the implementation governance structure (Steering, Advisory and Workgroups)

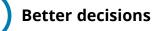
Guiding Principles

- Operationally driven
- Priorities are aligned with organisational goals
- Achieve balance between ongoing support and optimisation

Importance of Governance, Guiding Principles and Effective Decision Making



Align direction



Optimisation Overview

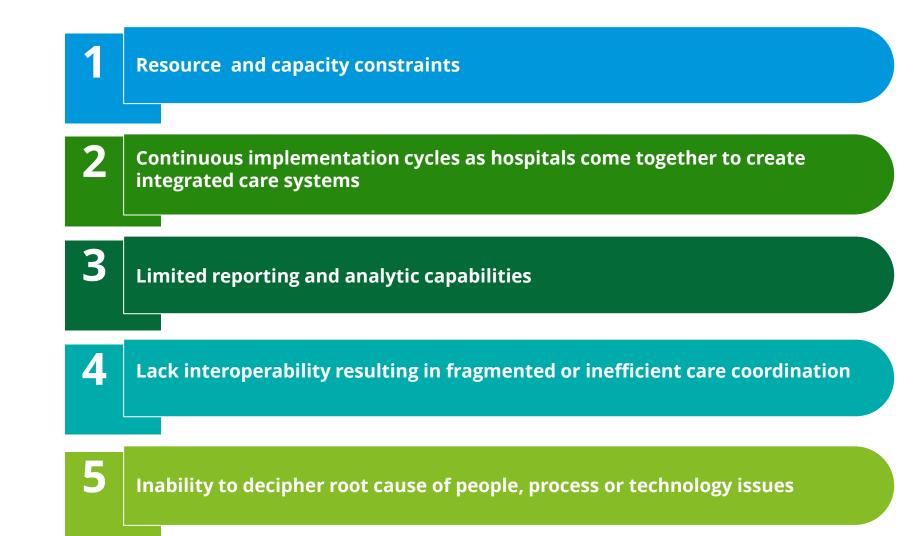
Evolution of EPR maturity

Organisations follow a similar path in their EPR maturity with the initial implementation focused on high priority operational issues and a rush to "get live".

Descriptors	Implementation & Remediation	Stabilisation	Optimisation	Strategic
Timeframe	Starts at go-live and continues for two to four weeks post-live.	Follows remediation and can last up to 6 months post-live.	Starts once the system is considered "stable" and metrics are at or above baseline	Begins approximately 18 months to 2 years post-live.
Criteria to move to next phase	 No critical defects End users adopting and using the system System response times are acceptable No unplanned downtime 	 All major defects (critical and high) are resolved End users complete their workflows as designed KPI's return to baseline or enhanced performance 	 Vendor upgrades taken on schedule Clinical programs are enabled by EPR tools User efficiency enhanced Patient experience enhanced 	Not applicable
Focus areas	 Address performance improvement priorities Meet the timeline Establish enterprise standards Meet external reporting requirements Improve information flow across care settings 	 Resolve defects Address build gaps Fix priority areas as defined by clinical and business leadership Improve post go-live key performance indicators (KPI) 	 Improve programme sustainment capabilities Implement new capabilities Improve patient and user experience Utilise metrics & reports to manage performance Enhance clinical program capabilities Increase integration 	 Implement advanced capabilities within or on top of the EPR to meet organisational goals Utilise BI and analytics to improve population health and outcomes Optimise patient and user experience

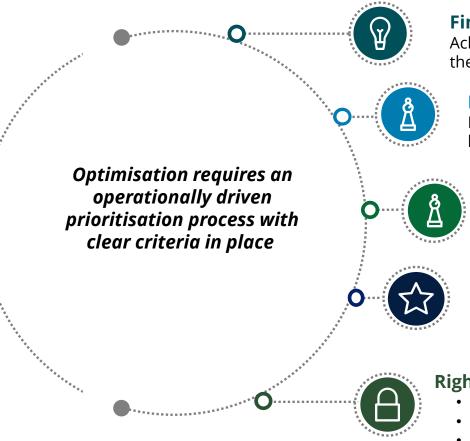
Challenges to Optimise

Although the benefits from implementing an EPR are clear, there are many challenges that impede an organisation's ability to realise the value from their EPR investment.



Optimisation Planning

Optimisation planning begins with EPR planning and is modified throughout the implementation. Based on lessons learned the following principles are used to guide optimisation planning.



Find the Balance

Achieve a balance between ongoing maintenance and optimising the system or the end users will become frustrated

Leverage the Help Desk

Educate the help desk staff to increase their EPR understanding and take on a larger role in addressing simple issues or direct them to the appropriate resource



Keep the Super Users

Maintain the super user network who play a key role in supporting upgrades and reinforcing workflow changes within their departments

Consolidate the Governance Structure

Keep specific groups to support operationally led decision making

- Executive Steering and select Advisory Groups remain in place (Clinical, Business)
- Department focused workgroups (A & E, Pharmacy, Radiology) and select integrated workgroups (Clinical Decision Support) remain in

Right Size the Implementation Team

- Analysts that remain for ongoing support are cross trained in other applications
- Training and Communication capabilities are reduced but remain in place
- Testing team remains in place to support fixes, upgrades and optimisation

Managing Intake for Various Requests

Establishing a clear and well understood process that correctly categorises requests, directs them to the appropriate resources and establishes priorities where needed is an essential component of optimisation.

Туре	Definition	Method
Incident	Something that was once working is now broken	Incidents are prioritised based on criticality and fixing critical/high issues remains a top priority for analysts.
Request	A request for something new to existing technologies, generally requiring less than 40 hours of work to complete	Access Requests: Requests for additional access to a system or removal of access from a system are filled by IT within a predetermined SLA.
		Service Requests: Requests for assistance, such as installing software or relocating a PC are fulfilled by IT within a predetermined SLA.
		Enhancement Requests: Requests for something new that goes through the prioritisation process and the business owners determine the order.
Project	A request for something that does not exist today, generally requiring more than 40 hours of work to complete	Projects can be large enhancement requests or new technology implementations. Projects are also prioritised by the Business

Request Types

Prioritising Enhancements & New Projects

The prioritisation process takes place within the governance structure by bringing the enhancement requests and projects forward to the appropriate Advisory group based on established criteria. The top priority items for each area are brought forward to IT Executive Steering for review and finalisation.

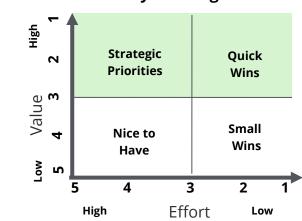


Value (Scale of 1-5)

- Patient Safety
- End User Experience
- Patient Experience
- Clinical Quality
- Standardisation

Level of Effort (Scale of 1-5)

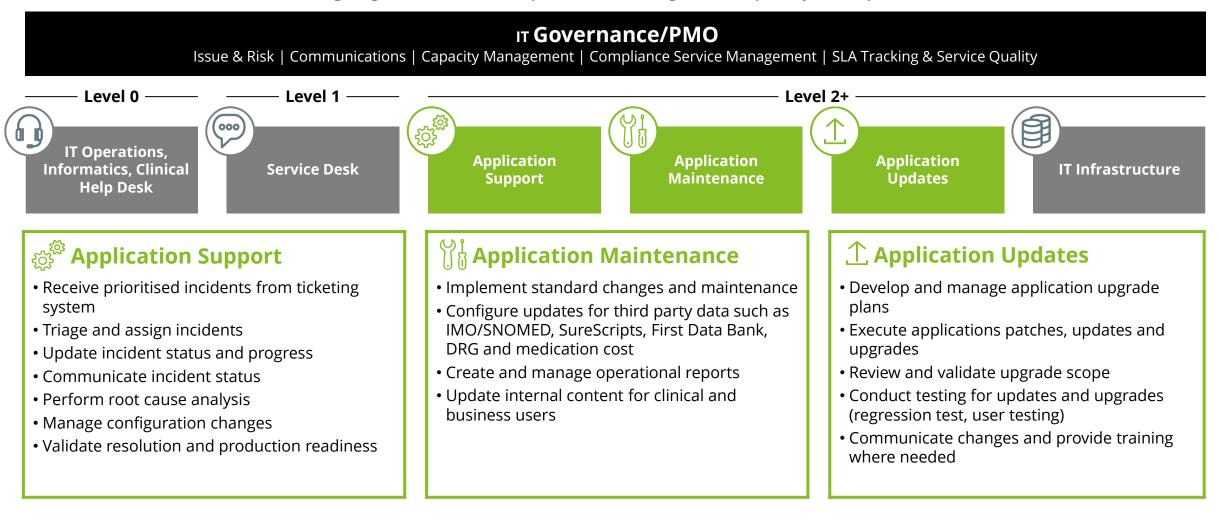
- Low = impacts single team or functional area; <40 hours
- Medium = integrated and impacts
 >1 team or functional area; <120 hours
- High = May require additional investment in resources, third-party or integration; >120 hours



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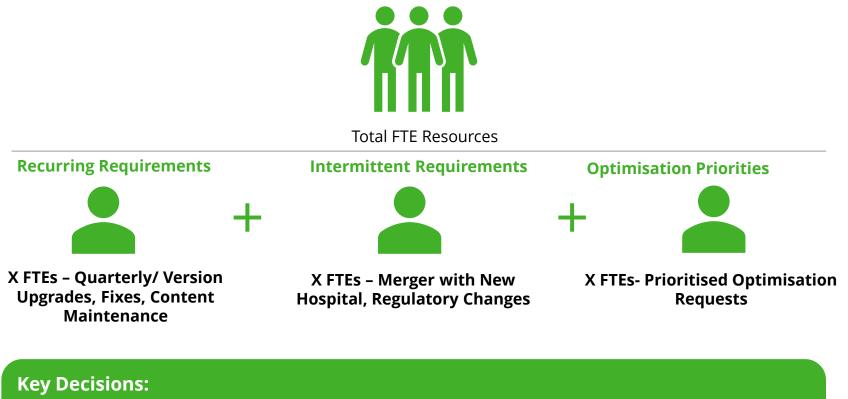
Keeping the Lights On

Depending on the size of the post-live team, a vast majority of the resources can be consumed by application support, routine maintenance and taking regular software updates, leaving little capacity for optimisation.



Incorporating Capacity Management into Prioritisation

Identifying the recurring requirements, projecting the intermittent requirements and determining the optimisation capacity paints a realistic view of what the IT department and organisation can accomplish within a specified timeframe.

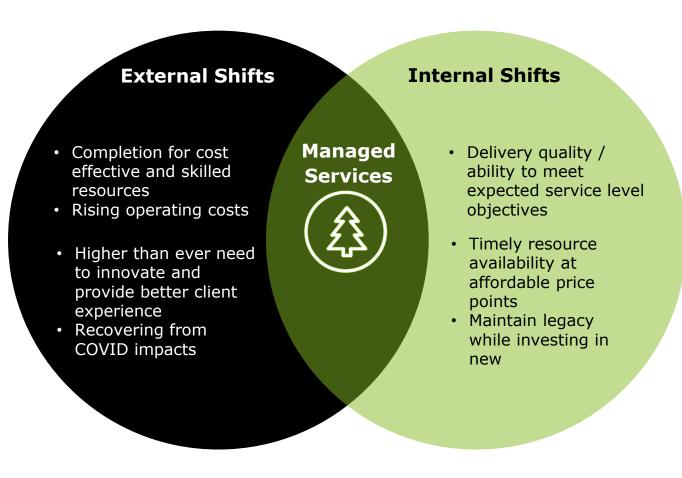


- What volume of optimisation requests is the organisation able and willing to commit to?
- Is there a need for temporary resources to complete all the top priority requests?

Managed Services

Why Managed Services Make Sense For Production Support

Managed services help provider organisations transform their operations to develop and provide cutting-edge, value-added services



Benefits

Efficiency

• Automation of recurring and predictable tasks to reduce cost and turnaround time

Insights

- Data driven reports help executives determine root cause of issues and address them
- Analytics that help improve revenue cycle insights

Flexibility

• Ability to quickly ramp up/down experienced staff to align with their business needs without reliance on high-cost contract resources

Quality and Risk Management

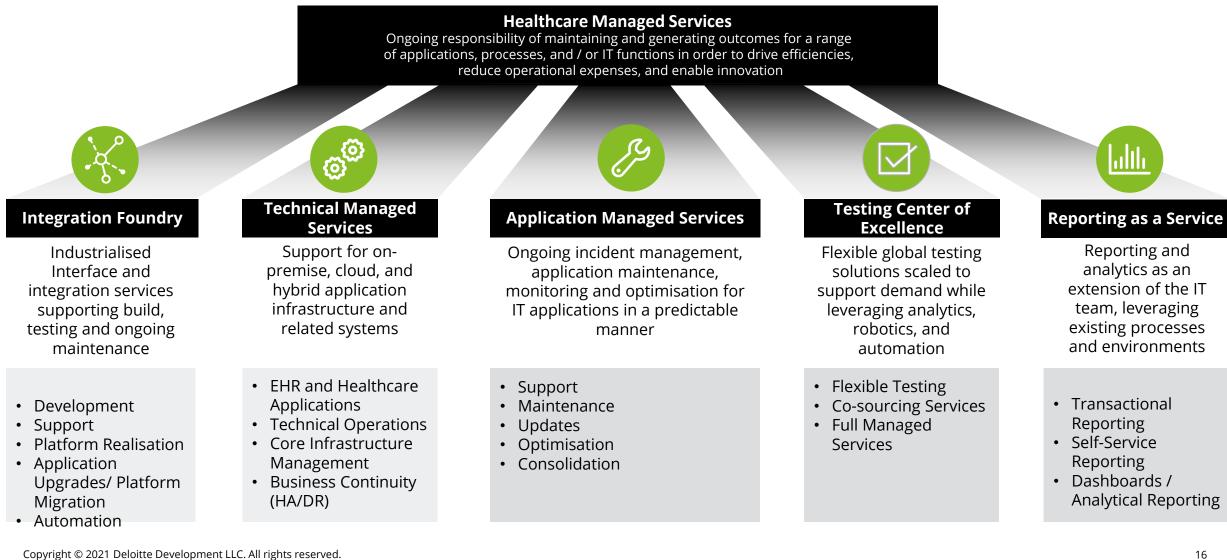
• Highly qualified and experienced staff to serve their needs across clinical, revenue cycle, and technical disciplines

Transparency and Predictability

• Service Level Agreements and measurable KPI metrics, with near real-time reporting ability

Managed Services Offerings

Seek partners who drive the evolution of the IT operating model across EHR's and the IT service portfolio to best support your strategic business imperatives



Multiple Engagement Models

Offering scale and excelling in Managed Services using a global delivery model and shared service capabilities

	Staff Augmentation	Foundry	Co-Sourced	Managed Services
How it Works	 Staff specific roles Client managed delivery Client processes and governance 	 Flexible and fluid capacity model Ability to scale project talent resources up and down with demand Purchase resources/hours on a recurring basis 	 Deloitte/Client shared responsibility Common governance model Service level objectives 	 Deloitte end-to-end responsibility Manage to services levels Fixed Fee with incentive/penalties and performance improvements
When to Consider	 Demand spikes for projects, reporting, testing or backfill Replace higher cost contractors 	 Small projects and enhancements Desire a reduced time to market 	 Re-purpose client IT staff to high impact initiatives Starting point for longer term managed services 	 Client wishes to retain only "core" functions i.e., management, governance, architecture and security Aggressive cost reduction/management goals

Improve Resourcing

- Shift resources to high priority projects
- Supplement in-house talent with high-quality, certified global resources

Enhance Business and Operations

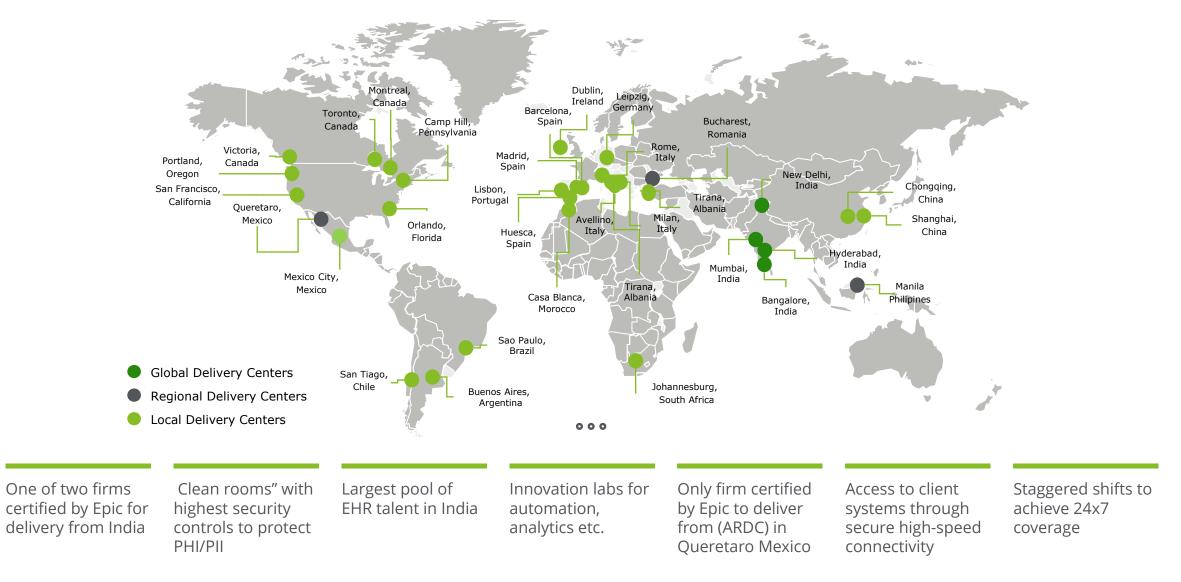
- Improve core support operations
- Lower upfront capital costs
- Increase agility and flexibility

Increase Innovation and Disrupt

- Accelerate speed to market
- Introduce and exploit disruptive technology
- Access industry leading methods and accelerators

Deloitte's Global Operate Delivery

Delivering Operate services seamlessly through our global network



Technology Considerations

Technology Operating Model

The Technology Operating Model covers technology capabilities and is designed in line with industry standards. It is comprised of seven capability domains, broken down into specific capabilities that are necessary to deliver best in class technology services to the wider organisation.

Technology Partnering and Innovation

Partner with the business to shape and deliver a portfolio of Technology Services that differentiate the Enterprise. Continuously driving innovation into the portfolio – through leveraging emerging technologies, optimizing cost, automation, and changing ways of working.

Technology Strategy and Architecture

Translates business strategy into a fit for purpose business and Technology Architecture that enables service delivery. Accountable for Technology Strategy and Roadmaps.

Service Integration and Orchestration

Manage the end-to-end Technology Services, develop the Technology Service Architecture, measure service performance against Service Level Agreements (SLAs), provide summary cost information for services and cost levers.

Service Delivery

Responsible for running and changing services across the technology estate across the Enterprise.

Protect

Accountable for safeguarding the Technology operating model and the business from information security and cyber breaches.

Tech Talent

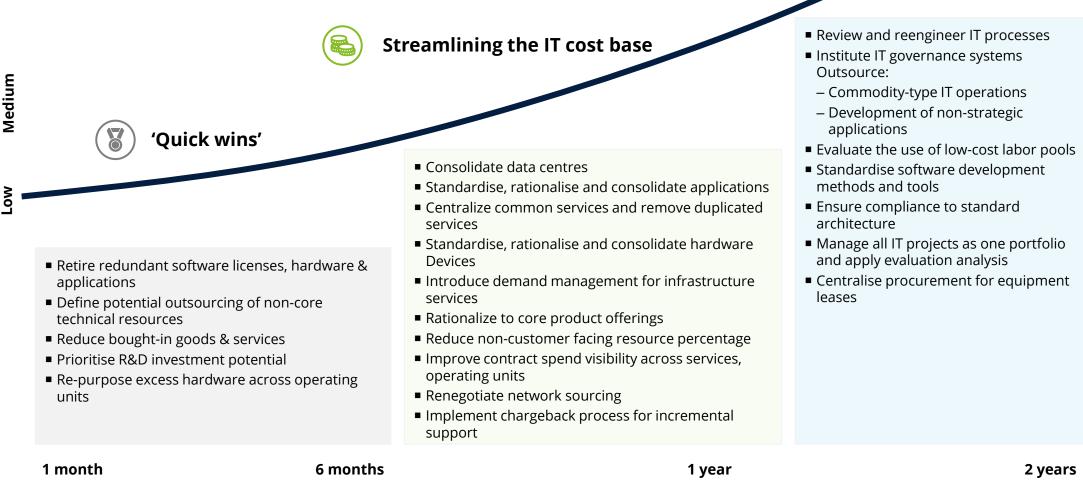
Developing the Technology talent of the future, making the Enterprise a great place to work, providing inspirational career paths and ongoing developmental training.

Data and Analytics

Sets data governance and policy across the business, whilst providing analytics and business insight to support management decisions

Application and Infrastructure Portfolio Rationalisation

Cost saving will evolve and provide increasing benefits



Creating a low-cost IT model

Application and Infrastructure Rationalisation

Application rationalization can be defined as the process to catalogue and eliminate duplicate software applications and associated infrastructure used across the organisation to improve efficiency, simplify application portfolios and reduce total cost of ownership (TCO)



Need



Shadow IT and Siloed Purchasing habits lead to rogue and redundant applications that exist outside the scrutiny and control of the IT organization



M&A activity introduces a set of applications and services of the newly acquired business, many of which may overlap or parallel those already in use



Complexity across the vast portfolio can make it difficult to understand where the duplication is happening



Complicated TCO Calculations can potentially make it difficult to get a buy-in and lead to uncertainty about cost implications of decommissioning



Zombie Applications – Applications running possibly because the retirement plans were not fully executed

Challenges



2

Lack of Collaboration/ Engagement – Difficulty to build consensus around the total cost of ownership (TCO) of the applications among business partners. Striking the right balance of estimation assumptions is key to drive collaboration



Mismanaged Application Portfolio – Large application portfolios hide application redundancy and lock innovation spend to legacy apps.



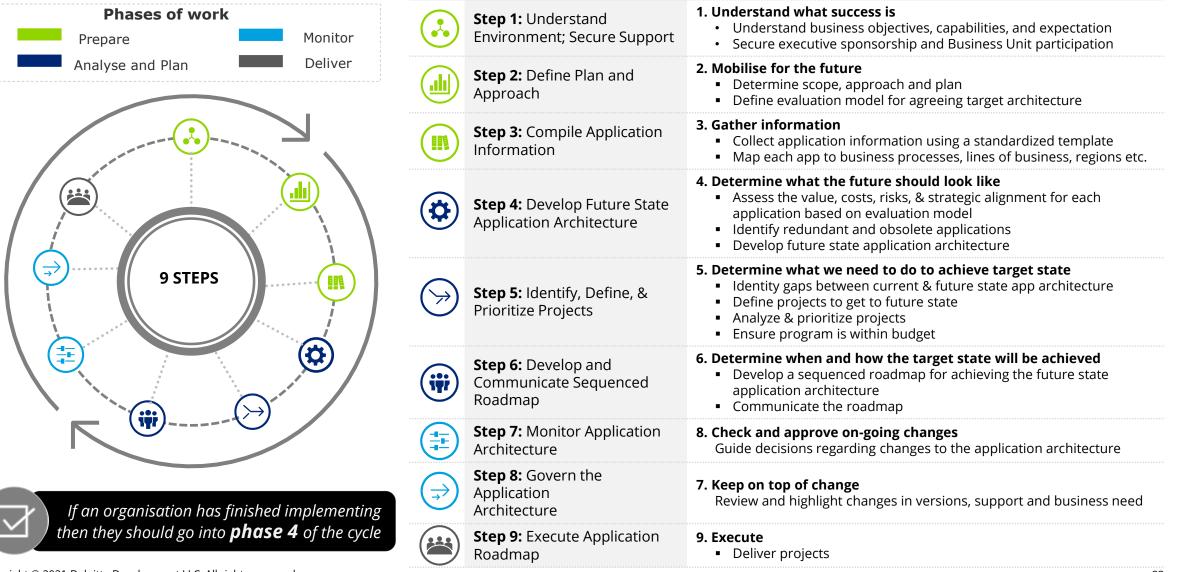
Under-utilized Applications – Adding new applications to the portfolio without maximizing business value from an existing application



Redundant Platform Changes - Moving all apps from one platform to another, without evaluating business value increases technical workload

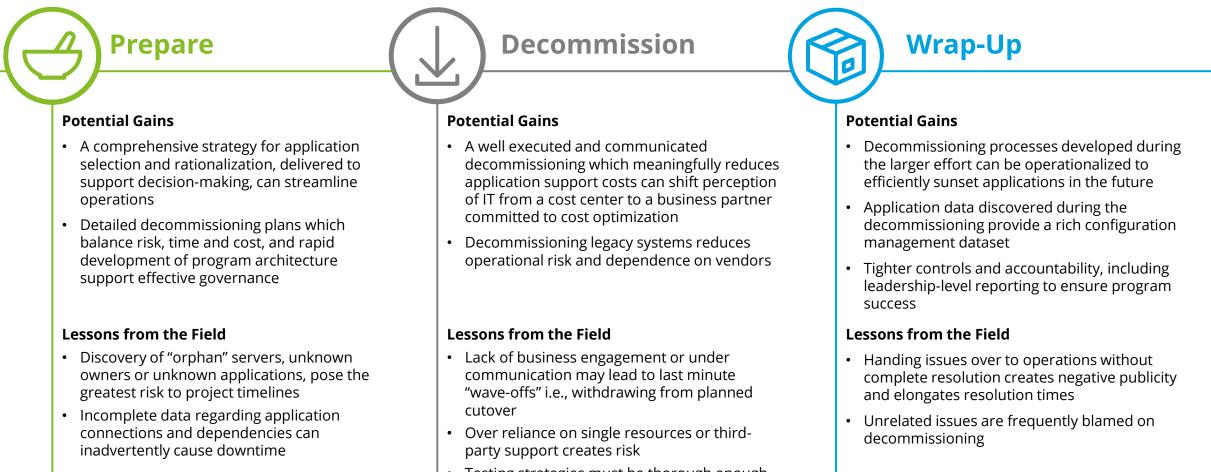
Application and Infrastructure Rationalisation – An Iterative Approach

Rationalisation is a timely and complex exercise. Our approach breaks the problem down into 4 phases



Case Studies in Application Rationalisation

As an organisation begins decommissioning its application portfolio, you should pursue several potential gains while preparing for common pitfalls



 Testing strategies must be thorough enough to capture critical dependencies but simple enough to avoid elongating downtimes Q&A



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Services

Health System Reform

- System Innovation
- Integrated Care
- Commissioning for Value
- New Organisational Forms

Organisational Improvement

- Performance Improvement
- Avoiding Financial Crisis
- Insight Driven Organisations

Enabling Capabilities

- Fit for Future Estate
- Connected Care
- Modern Well Led Workforce



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4:00 – 5:00 pm BST

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