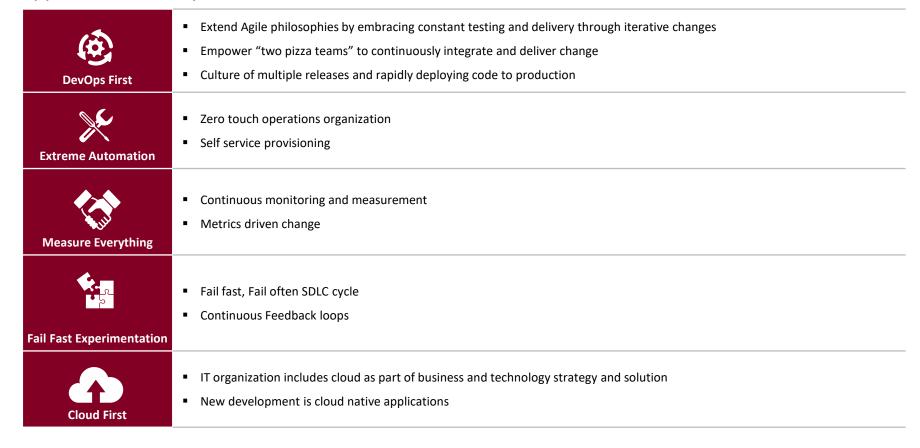


DevOps Operating Model

DevOps Operating Model Guiding Principles

Technology integrations and service operations connect seamlessly to create a DevOps organization that can show quick successes and agile, rapid responsiveness to customer's application development needs







DevOps Operating Model Options

The following IT operating models are commonly seen across organizations

Centralized			Decentralized		
Conservative			Contemporary		
Component Centric —	Service Centric —	Value Chain Centric	Customer Centric —		
IT Components	Services	Plan/Build Run	Buss. Buss. Buss. Buss.		
IT Business Management	IT Business Management	IT Business Management	Svcs. Svcs. Svcs. Svcs.		
Program Management	Program Management	Program Management	<u> </u>		
Infrastructure & Shared Services	Infrastructure & Shared Services	Infrastructure & Shared Services	Infrastructure & Shared Services		
 Organize by IT component Within each component, responsible for all elements of value chain 	 Organize by IT services (e.g., Application Hosting, End User Solutions, Security, Messaging) Organize by IT Value Chain Organize by combination of Plan/Build/Run 		 Dedicated IT infrastructure set of services (including Project Management delivered to internal customers 		
 Need to manage all resources within defined IT Service Components Resource constraints across value chain Need for increased responsiveness 	 A mature organization with high degree of experience in executing the delivery of "bundled offerings" Service catalogs and service level agreements are defined Chargebacks are based on consumption of service Effective with a clear enterprise IT platform strategy Need for separation of value chain and for increased accountability and monitoring of business value Useful as a foundational model for transformative IT organizations 		 Highly differentiated set of IT business requirements Shared Service models are for core services only (e.g., help desk, e-mail, etc.) Different and changing needs across Business Units, Functions, and/or geographies 		
 Increased standardization Clear responsibility and accountability 	 Higher degree of flexibility in decision-making Business units are able to operate with fewer dependencies 	 Centralized structure for establishing direction Enables evolution of new services into and from the IT organization Pushes down decision making 	 Empowers decentralized decision-making and increases responsiveness Aligns with core concepts of multi-spee IT Relatively quick to establish 		
 No coordination between business units Encourages silos Encourages a one size fits all approach 	 Formal separation of business and technical architectural roles Requires high degree of maturity and experience 	 Reduces flexibility Not fully aligned to multi-speed IT Too many layers Consensus generally takes I Challenging coordination Issues around co-owners of responsibility 			
₩ APOLLO	CVS Health	DISCOVER CADITALONS	amazon Google NETELIX		



When the model is

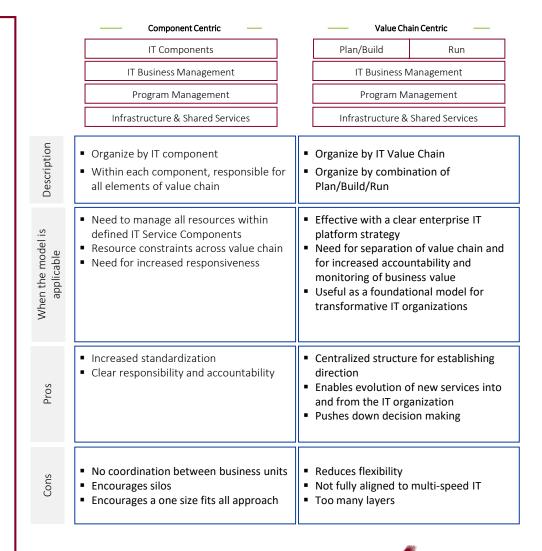


Current State

Pekin's current state IT Operating model is a combination of the component centric and value chain centric model

Key Features:

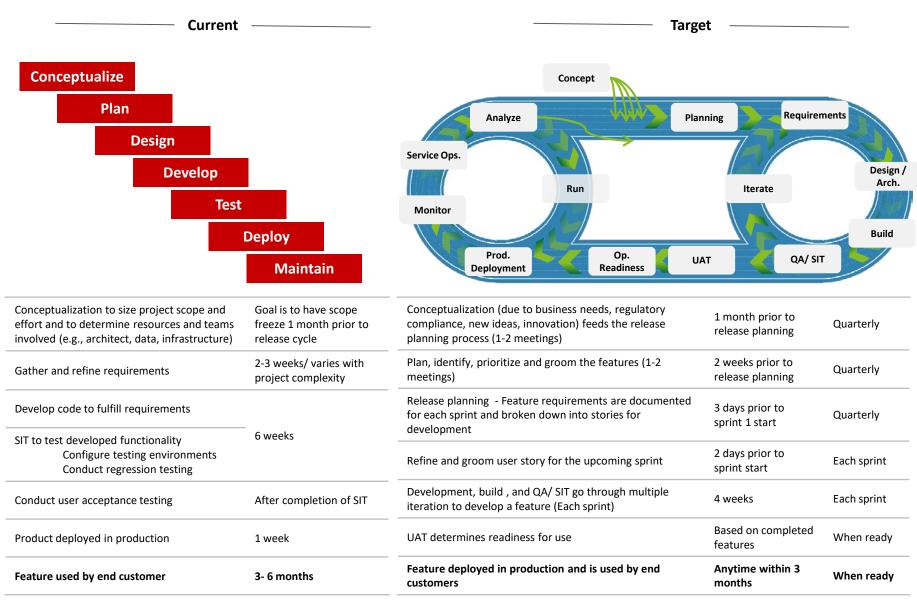
- Leadership is horizontal and ownership is at the application/ component level (e.g., legacy, distributed systems)
- Approach to decision making is top down in most cases, participation from all stakeholders in initial planning is limited
- Individual teams are structured around the delivery value chain.
 Team responsibilities are divided between plan and building (i.e., BA, developers, QA) and run (i.e., deployment, database and infrastructure)
- The CoE supports project management for large and cross functional projects
- Solution architecture responsibilities are fulfilled by application SMEs or by developers
- EARB reviews and approves architecture design and implementation at defined project stages







Modernization of the SDLC Framework







Proposed Customer and Product Centric IT

Defining a Product

- A product transforms a market opportunity into a service or product available for sale, it may be tangible or intangible
- Product development may involve modification of existing product features, addition of new features or formulation of an entirely new product that satisfies a newly defined customer want or market niche
- Product development phases are conceptualization, design, development, marketing and management

Pekin Product View

P&C - Personal

P&C - Commercial

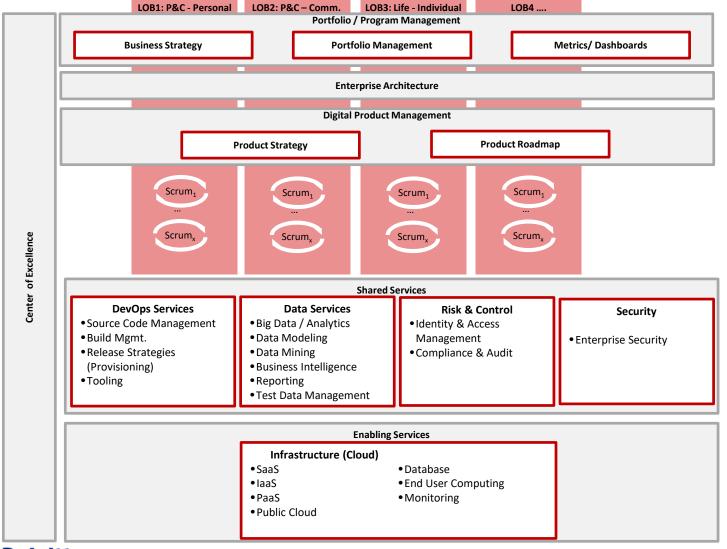
Life





Proposed Operating Model – Key Areas

This operating model represents an organization with high DevOps maturity, rapidly responding to changing market needs





Proposed Operating Model Changes

Based on Pekin's desired positioning in the marketplace, we propose a customer-centric IT Operating Model as the foundation for the Business Accelerator

A customer-centric approach is best aligned to Pekin's objectives of delivery with quality and speed:

- Ability to act and make decisions aligned to the business segments to empower customer-centric decision making
- Accountability to develop, deploy and support applications is centered on delivery teams
- Oversight and governance activities are streamlined and applied at enterprise level when necessary

Proposed Changes:

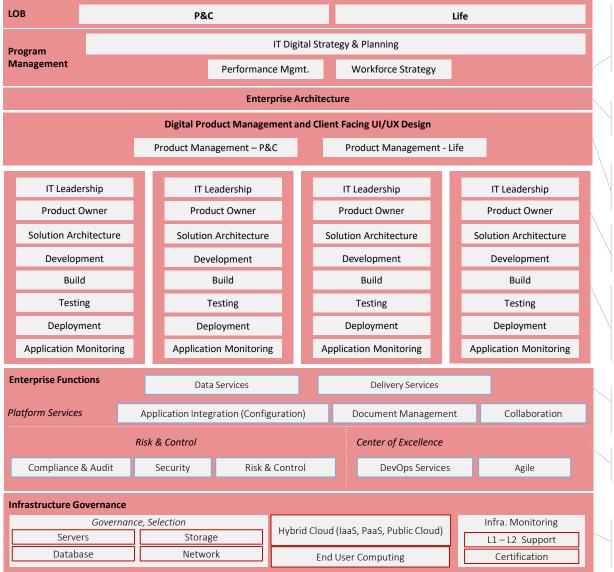
- Teams are structured vertically to support individual lines of business
- Each team should be self contained and should include:
 - Product Owners
 - Solution architects
 - Developers
 - QA/Testers
 - Deployment and release resources
 - Operations
 - Application and infrastructure support group
- Center of Excellence (CoEs) are horizontal and cut across lines of business. CoEs define standards for agile delivery, release management, continuous delivery, cloud, etc.
- Enterprise services are made available for application integration, infrastructure governance (including cloud), security, and other roles

	Customer Centric ——						
		Buss.	Buss.	Buss.	Buss.	Buss.	
		Svcs.	Svcs.	Svcs.	Svcs.	Svcs.	
		IT	IT	IT	IT	ΙΤ	
		Infr	astructu	re & Sha	red Serv	rices	
Description	s	Dedicate ervices Ielivere	(includ	ing Pro	ect Ma	nageme	nt)
When the model is applicable	 Highly differentiated set of IT business requirements Shared Service models are for core services only (e.g., help desk, e-mail, etc.) Different and changing needs across Business Units, Functions, and/or geographies 						
Pros	 Empowers decentralized decision-making and increases responsiveness Aligns with core concepts of multi-speed IT Relatively quick to establish 						
Cons	 Consensus generally takes longer Challenging coordination Issues around co-owners of data and responsibility 						



Proposed Operating Model – Function View

The function view of the proposed operating model summarizes high level activities and alignment across the enterprise.



Strategy

The enterprise project management office (PMO) enables realization of Business and IT strategy by prioritizing, budgeting, and planning investments and associated delivery. The group also manages the workforce mix, project metrics and reporting

Enterprise Architecture

Designing, governing, integrating, and managing technology architecture policies, provide guidelines to solution architects. Review project design and implementation through the EARB

Product Management and UI/UX Design

Provide customer/business requirements, align with the LOBs to provide agents/ customers with a consistent and unified user experience

IT Leadership

Manage and analyze the intake/ demand from the business, triage, assign work, and ownership of end to end application development

IT Delivery

Liaison with business to identify and analyze business requirements. Prioritize and translate requirements into solutions including associated development, build, test, deploy, release and run activities

Enterprise Functions

Provide streamlined enterprise functions and support for a successful product development

Centers of Excellence

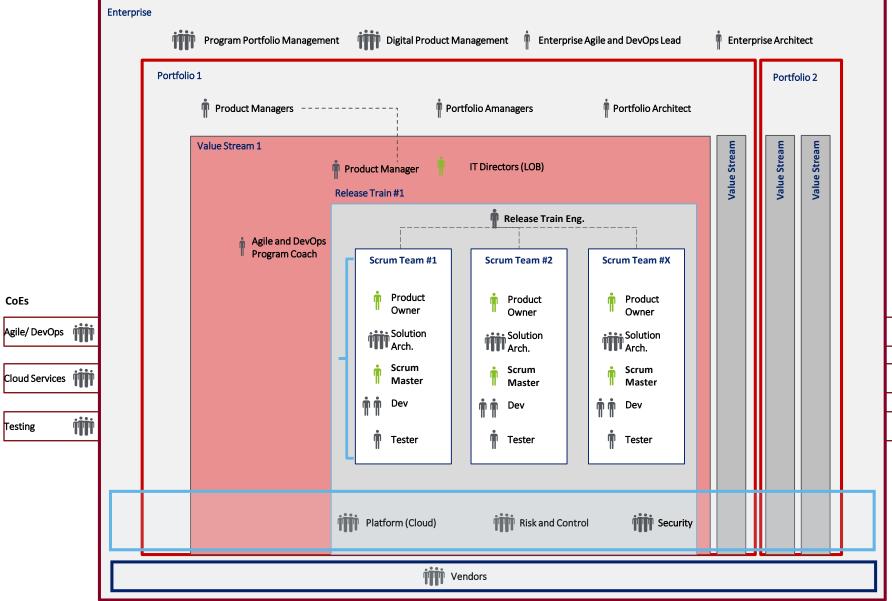
Provide governance over standards, methods, tools, and performance metrics; confirm all teams are delivering according to best practice

Infrastructure

Provide cloud and infrastructure services to enable delivery teams to create and use environments for dev, test, and production



Proposed Operating Model – Role View





Proposed Operating Model – Roles Defined (1/2)

The roles identified to fulfill the target operating model are defined below

Level	Role	Role Description
Enterprise	Project Portfolio Management	Portfolio Managers have primary responsibility for strategy and investment funding, program mgmt., and IT and business governance within a line of business. Act as epic owners
	Enterprise Agile Coach	Leads the agile CoE that defines processes and standards for agile delivery and coaches the program agile coaches
	Enterprise DevOps Coach	Leads the DevOps CoE that defines processes and tools for continuous delivery (development, build, test, deploy) and coaches the program DevOps coaches
	Enterprise Architect	Enterprise architects maintain a high-level, holistic vision of enterprise solutions and development initiatives for a given segment and provide guidance to solution architects and owns the EARB
Portfolio	Product Manager	Product manager are responsible for defining and communicating the program vision to the scrum teams, they are aligned with and provide guidance to release trains
	Portfolio Architect	Portfolio architects coordinate with product managers to maintain a high-level, holistic vision and architecture of the solution
	Infrastructure	Infrastructure provisions, configures and manages infrastructure components (compute, storage, networks and includes cloud)
	Platform Services	Platform services and tools provide application integration and collaboration
	Risk and Control	Risk and control organizations understand the risks the organization is exposed to, and put controls in place to counter threats
	Security	Security defines and enforces enterprise wide policies for protecting infrastructure, information assets, customer data, financial information and other critical IT information
Value Stream	IT Director	The director is accountable for end to end IT delivery and operations specific to a value stream
Release Train	Product Manager	Product manager are responsible for defining and communicating the program vision and backlog. Product managers participate in UAT.
	Release Train Engineer	RTE facilitates program level processes and execution, escalates impediments, and drives release train to continuous improvement

Proposed Operating Model – Roles Defined (2/2)

The roles identified to fulfill the target operating model are defined below

Level	Role	Role Description
VS, ART, scrum team	Program Agile Coach	An Agile coach identifies and coaches on Agile best practices and principles, contributes to the agile CoE and aligns on standards
	Program DevOps Coach	A DevOps coach identifies and coaches teams on continuous delivery processes and tools, contributes to CoE and aligns on standards
Scrum Team	Product Owner	The Product Owner has the vision of what a scrum team intends to build and communicates that vision to team. The PO performs analysis and interfaces with the business.
	Solution Architect	SAs have the technical responsibility for the overall architecture of the solution or an application and ensure it aligns with the enterprise architecture
	Scrum Master	The Scrum Master is responsible for conducting the ceremonies of the scrum team and works to remove any impediments to the development efforts
	Developers	Developers work with the shared services and infrastructure to develop functionality in accordance with the user story. In addition are responsible for monitoring applications in all environments and ensure built in quality
	Testers	Testers create functional, performance, and security test scripts and monitor testing execution as part of the continuous integration process
Center of Excellence (CoE)	Agile	The agile CoE defines processes and standards, ensures agile maturity and defines measures of success
	DevOps	The continuous delivery CoE defines processes and owns tools for continuous delivery, ensures DevOps maturity and defines measures of success
	Cloud Services	The Cloud Services CoE provides governance, standards and coaching on the use of cloud as infrastructure and use of cloud services
	Testing	The testing CoE establishes testing/ quality assurance processes and ensures adoption of the processes
	Vendor	A <i>vendor</i> is an internal or external organization that develops and delivers components, subsystems or services that help Solution Trains provide Solutions to their customers.

Taxonomy of Work

Portfolio / Program Backlog **Release Backlog Sprint Backlog** 1 1 1 Ν Ν Ν **Portfolio Epic Program Epic (Features) User Story** Sub-Task (Days) (Hours) (Years) (Quarters) • Activities needed to complete Long term initiatives that align Medium term initiatives that Small, independently valuable work items that make up an to the strategic business enable the implementation of an User Story objectives/ themes the Portfolio Epic Epic and can be delivered by • May be repetitive "chores" to one Tech Product Has measureable target Enable iterative delivery of support or maintain the business value desired by the performance metrics to Will need to meet the Tech. product Portfolio Epic Product Team's Definition of determine realization of Ready (DoR) to be worked on in business value Has measureable target a sprint performance metrics to determine realization of business value **Bounded by: Bounded by: Bounded by: Bounded by:** Enterprise/ Portfolio Portfolio Manager **Product Owner** Team Owned by: Owned by: Owned by: Owned by: Portfolio Manager/ Product **Product Manager Product Manager Product Owner** Manager



