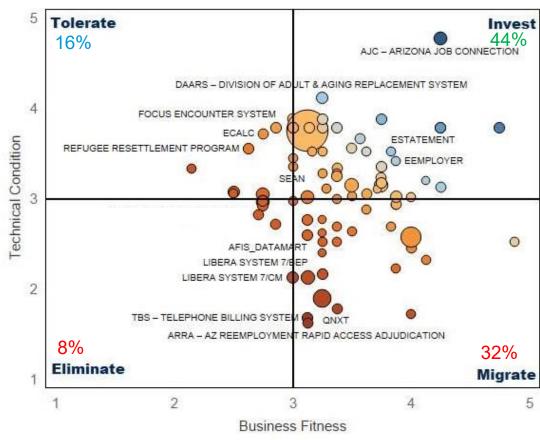


Background and Context

- Gartner developed a Technology Modernization Roadmap (Roadmap) for the Arizona Department of Economic Security (DES). The effort included surveys, interviews and workshops with business and technology stakeholders across DES.
- Gartner found that IT costs are high and the quality of IT applications and infrastructure is poor
 - 40% of the application portfolio requires immediate replacement and another 16% has weak business fitness (see chart)
 - Security is insufficient with a large portion of servers off support and a network not well designed to contain the "blast radius" of an attack.
 - Disaster recovery capabilities are also incomplete
- There are two primary causes: (1) Duplicate functionality in the application portfolio (i.e., multiple applications doing the same or similar things) and (2) IT investments overly focused on technical outcomes (e.g., replace system) rather than business outcomes (time to benefits...etc.)

Application Portfolio Analysis



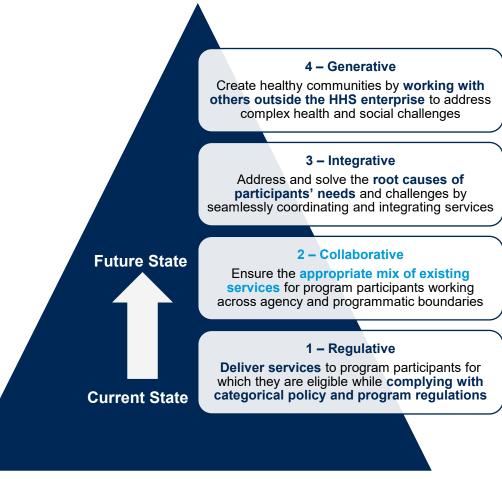
How will technology at DES evolve over the next few years?

Our Vision

Over the next few years, DES will transform from a "Regulative" approach where services are delivered by individual programs and divisions to a "Collaborative" approach where DES will work across programmatic boundaries to ensure the appropriate mix of services for program participants.

The Technology Modernization Roadmap will support the implementation of this business vision by modernizing applications, providing the required enabling technologies and enhancing IT capabilities to support the migration to the desired future state.

Health and Human Services Integration Maturity Model*

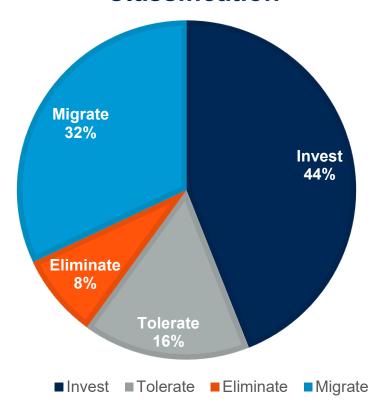


^{*} From American Public Human Services Association



What is the barrier to getting this done?

Percent of Applications by Classification



Gartner analyzed the DES application portfolio to understand the business fitness and technical quality of application infrastructure.

- Today, only 44% of the applications in the portfolio are in sufficient condition to warrant continued investment ("Invest" in the graphic to the left). Another 16% have reasonable technical quality but weak business fitness ("Tolerate") and 40% of the applications portfolio requires immediate replacement due to technical deficiencies ("Migrate") or both technical and business deficiencies ("Eliminate"). As a result:
 - Many business processes are paper-based manual processes that require re-entry of data across systems degrading productivity and delaying time to benefits for citizens
- The application portfolio is also expensive to maintain as it includes redundant capabilities across systems (intake, eligibility determination, servicing...etc.) that suppress business functionality (i.e., investment is not leveraged across programs) while escalating maintenance costs (due to redundant systems).
- There are also challenges with skills as there are talent gaps in enterprise architecture cloud architecture, and security and other areas.



What is being planned?

The Roadmap is a comprehensive plan to change the way DES selects, deploys and manages technology

- The foundation is a comprehensive future-state architecture ("city plan") to guide the deployment and management of technologies
- DES will rebalance the technology investment portfolio from a focus on division-specific applications and technologies (Tier 4) to deployment of common business services (Tier 2) that will be leveraged across divisions to provide greater functionality to internal and external users at reduced cost (by removing duplication)
- This will be supported by enterprise integration infrastructure (Tier 3) and a common user experience layer (Tier 1) that provides a richer and more consistent user experience for citizens and other constituents (vendors...etc.)
- An enterprise analytics capability (Tier 5) will provide the foundation for determining the appropriate mix of services for DES' clients
- This will be supported by improvements to foundational domains to improve security and resiliency and support the transition to cloud

DES Future-State



Tier 3: Enterprise Integration Integration infrastructure to support information sharing across divisions

Tier 4: Divisional Application Division-specific operational applications

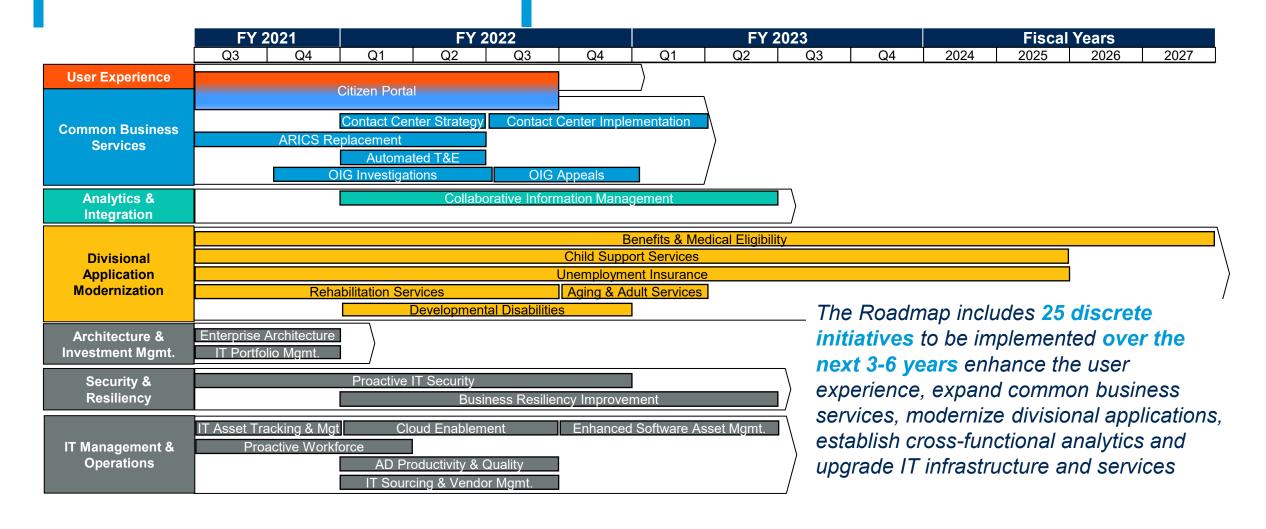
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Tier 5: Data Enterprise analytics, reporting and master data management

Infrastructure a Security, C Cloud, and Operations, Inform Cloud, Communications Collaboration Information



How will we get there?

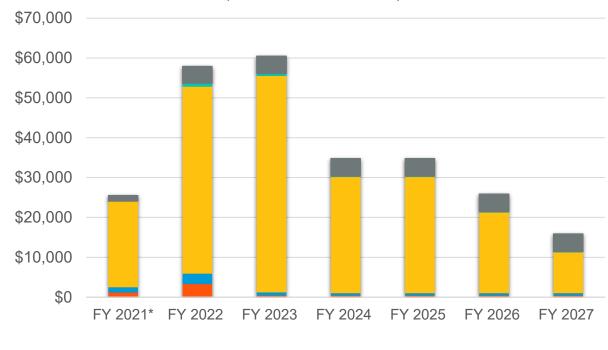


What will it cost?

- The cost of the program is estimated to be \$16-\$60 million per year over the next 6.5 years
 - Costs include hardware, software, implementation services and internal labor needed to support the Roadmap initiatives
 - Costs include incremental support costs after the onetime effort is complete
 - FY 2021 only includes the last two quarters
- The largest share of costs is for Divisional Modernization initiatives which are 82% of total cost due to the need to replace much of the existing application portfolio.
- The two largest initiatives, AAL Modernization and ATLAS Replacement represent 76% of the cost of the entire program (AAL = 47%; ATLAS = 29%)

Costs by Year

(dollars in thousands)





Divisional Modernization

* Q3 and Q4 only



[■] Common Bus Serv. ■ Foundational

What are the benefits?

- The Roadmap will enable DES to work across agency and programmatic boundaries to ensure the appropriate mix of services for program participants. This means:
 - A citizen portal to provide a richer and more consistent "customer experience" and identify opportunities across programs
 - Information-sharing between programs to eliminate the need to provide information more than once
 - Cross-functional analytics to measure what is working and identify service optimization opportunities
- The Roadmap will improve functional support to the business and reduce long-term technology cost by establishing common business services that can be leveraged across programs rather than having to build and maintain the same capabilities (e.g., intake, eligibility inquiry, service inquiry...etc.) within each program or division.
- The Roadmap will also address technical risks around legacy applications and infrastructure and improve foundational capabilities in IT (security, resiliency, architecture management...etc.)

Current State Future State Focus / Deliver services to program **Ensure the appropriate mix** Vision participants for which they of existing services for are eligible while program participants working complying with across agency and categorical policy and programmatic boundaries program regulations Client **Participants initiate** Participants initiate **Engagement** engagement or are engagement or are referred, referred to a program within but there are hand-offs to other programs within the the agency agency, with a sister agency or partner organization Client "Warm" hand-off between Clients must apply for **Experience** each program programs Separate dialogue with Information-sharing each program. Quality of between programs eliminates "customer experience" the need to provide varies by program information more than once



What will this mean to citizens?



The planned changes will provider faster time to benefits, more comprehensive support to citizens and reduce the need to visit DES offices

- A richer and more consistent digital customer experience will ease navigation and help citizens find what they need faster and resolve outstanding issues sooner
- Proactive evaluation of the applicability of available services will provide citizens with more comprehensive service and assistance
- Information-sharing between programs will eliminate need to provide information more than once
- Improved support for mobile devices will enable citizens to provide the required documents at the day and time of their choosing without having to visit a DES office
- Proactive reminders of missing documents and information will accelerate time to benefits
- Overall benefits include faster time-to-benefits, reduced recidivism and improved well-being
 Gartner.

What are next steps?

Critical Near-Term Success Factors

- Ensure near-term application replacement projects drive measurable improvements in business outcomes (i.e., deliver measurable change in business performance; not just a new system)
- Identify opportunities to streamline IT support costs as new applications are deployed
- Establish enhanced architecture capabilities to ensure near-term initiatives confirm to enterprise technology "city plan" and identify opportunities to establish common services
- Proactively manage changes to client **touchpoints** to provide a cohesive customer experience
- Bolster security to protect against increased threat environment



- **Confirm near-term priorities**
- Flesh out project charter in alignment with initiative specifications in Technology Modernization Roadmap
- Confirm client personas and develop 3 journey maps to define future-state customer experience
 - Retrofit in-flight initiatives to ensure alignment with planned changes to portfolio management and benefits realization (define metrics to track benefits, develop forecast of expected improvement, validate that the technical outcomes the project intends to deliver enable the planned improvement...etc.)

Appendix



Objectives & Scope

- Gartner will work collaboratively with AZDES' Business and Technology teams to set a clear direction for AZDES's investments in developing modern technology and cloud capabilities.
 - Design a business capability model to anchor the technology ecosystem in business strategy and outcomes;
 - Baseline the technology inventory, validate capabilities (applications, organization, infrastructure) and map to business capabilities;
 - Utilize Gartner's technology rationalization frameworks, including Application Optimization, Cloud and Security, to guide AZDES; and
 - Leverage Gartner's best practices in operating model and organizational design in determining an efficient target state for AZDES
- This engagement is critical to support AZDES's Digital Business and Technology Transformation efforts:
 - In the short-term, to guide the investments in pilots and projects that are currently being launched and which require cloud guidance, organizational aspects and capabilities early in 2020; and
 - In the longer-term, to ensure that all Run/Grow/Transform investments that leverage suitable delivery platforms (e.g. Cloud) are being developed in a strategically aligned manner that meets the needs of the State and constituents without further propagating technical debt.



6 3 4 5 7 **Technology Reference Develop Technology Project Initiation & Technology Portfolio & Finalize Operating Model** Roadmap & **Strategy and Security TCO Analysis and Model Architectures & Migration Cloud Suitability Analysis** & Security considerations **Discovery** Recommendations Capabilities Planning Work closely with the core Assess the technology Analyze application Collaborate work with Deliver a time-sequenced **Update Business** Articulate an operational team to set the foundation strategy for alignment to portfolio information and finance stakeholders to technology migration and Capability Model 12-18 month and a 3 to 5portfolio management for a successful project the existing IT determine application obtain current cost year strategic roadmap of Develop Governance investment & disposition direction/strategy, industry information strategy with the detailed and actionable Obtain understanding of Framework, including best practices, security associated service initiatives decision rights and existing strategies, vision, Assess workload Compare cloud costs to considerations and models (including ongovernance models. suitability for re-hosting the current market pricing responsibilities Presentation of market insights premises), delivery initiatives, applications (laaS), re-building (PaaS), to deliver the engagement deliverables Analyze complexities models, security posture portfolio, security, Assess organizational or replacing (SaaS) major organizations identified and key based on capabilities & considerations, cost, infrastructure, etc. readiness across enterprise and business services, capabilities, recommendations (Heat Map) staff and architecture Gartner's Technology unit applications. components and Initiate data gathering Incorporate any additional implications Articulate Update Security Adoption model workloads through the Conduct scalable online sessions security recommendations target technology monitoring & incident leading public cloud Identify strategic and application assessment as required by the agency reference architectures Document initial findings response criteria providers operational technical. including Analyze quality, results Design and present Conduct Findings Conduct a workshop with security, and business Utilize Gartner's and trends communications plan to Security Reference Workshop to review and stakeholders from across capabilities required to be benchmark database to stakeholders and models (IAM, CASB* etc.) validate the capability Develop a Pace Layer a functions and successful compare cloud costs with executives model and initial findings two-tier business organizations to socialize Service Delivery models peers Identify strategies and capability model findings operating models best Conduct validation Hybrid Models suited to meet agency workshops to validate Security/Risk alignment needs cost models as well as application portfolio cost information Kickoff Presentation High-Level Cloud I&O 12-18 month operational Current State Assessment Application Portfolio TCO Analysis & Model Operating Model (e.g., org Rationalization and Cloud Architecture structure, org chart, roles, & 3-5-year Strategic Capability Model Suitability Assessments skills) Roadmap (Including Technology Reference Initial Findings Portfolio optimization, Technology Standards **Architectures Migration** Governance Framework Cloud Strategy Definition Plan Components and Technology Component Security) Strategies Executive Summary Technology Strategy &

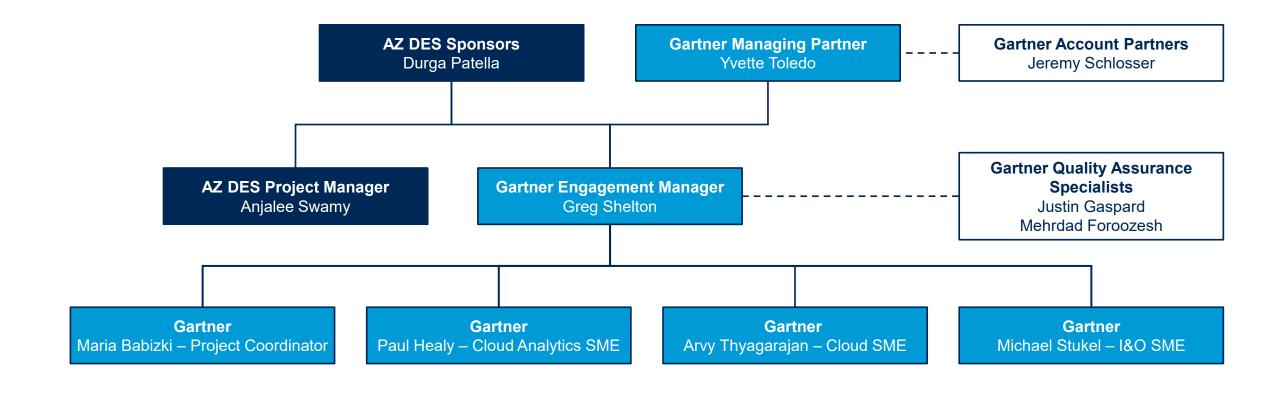
Roadmap

DES Business Vision

	Current State —	Strategic Ambition		
(1 – Regulative	2 – Collaborative	3 – Integrative	4 – Generative
Focus/Vision	Deliver services to program participants for which they are eligible while complying with categorical policy and program regulations	Ensuring the appropriate mix of existing services for program participants working across agency and programmatic boundaries	Addressing and solving the root causes of participants' needs and challenges by seamlessly coordinating and integrating services	Creating healthy communities by working with others outside the HHS enterprise to address complex health and social challenges
Client Engagement	Participants initiate engagement or are referred to a program within the agency	Participants initiate engagement or are referred, but there are https://news.ncbi.nlm.nih.google.com/ within the agency, with a sister agency or partner organization	Program participants are proactively engaged by the HHS enterprise	Program participants are proactively engaged by the HHS enterprise and external agencies by anticipating current and future needs
Business Capabilities	Separate business capabilities for each program	Some central capabilities to identify opportunities across programs and coordinate hand-offs (i.e., hand-off; not referral) and administer information governance around data sharing	Central capabilities to manage client experience and orchestrate and operationalize engagement across programs (combined messaging, coordinated timing to avoid conflicting messages, defined "next best action" at any point of contactetc.)	Central data science team leverages internal and external data to predict future needs and measure results of interventions to support continuous improvement
IT Infrastructure	Separate systems for each program Separate client databases	Some common components and integration infrastructure to enable data sharing between systems, facilitate handoffs and avoid the need to capture the same information multiple times	Multi-channel campaign management capabilities to orchestrate engagement	Advanced analytics to support predictive models
	Separate Cheff databases		Cross-functional analytics to identify root causes and measure campaign	Event monitoring to operationalize predictive models
		the same information multiple times	results	Strong "B2B" integration
Client Experience	Client must apply for each program Separate dialogue with each program. Quality of "customer experience" varies by program	"Warm" hand-off between programs Information-sharing between programs eliminates the need to provide information more than once	Cohesive dialogue across programs to maximize engagement (right message, right time, right channel, agency speaks with single voice)	HHS agency is one step ahead, predicts needs, and seamlessly coordinates with external entities to provide required services

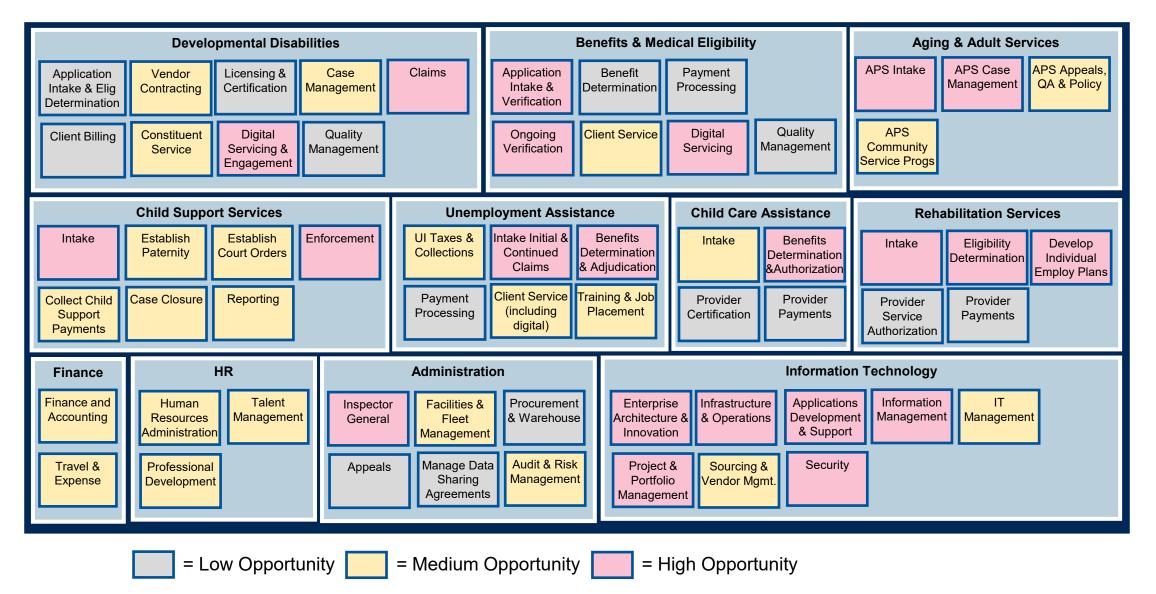


Introductions

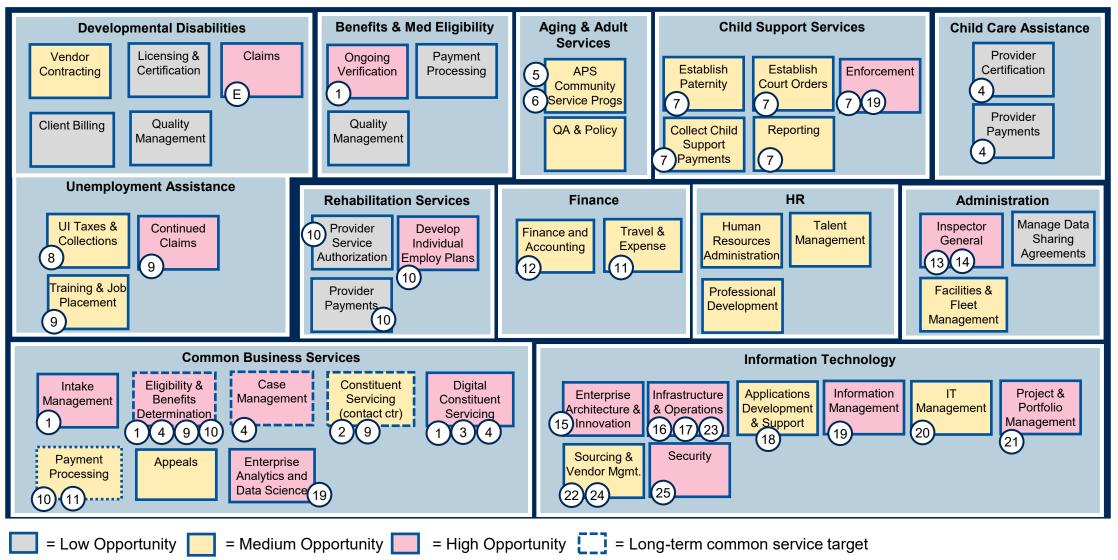




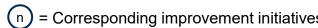
Current-State Business Architecture



Future-State Business Architecture



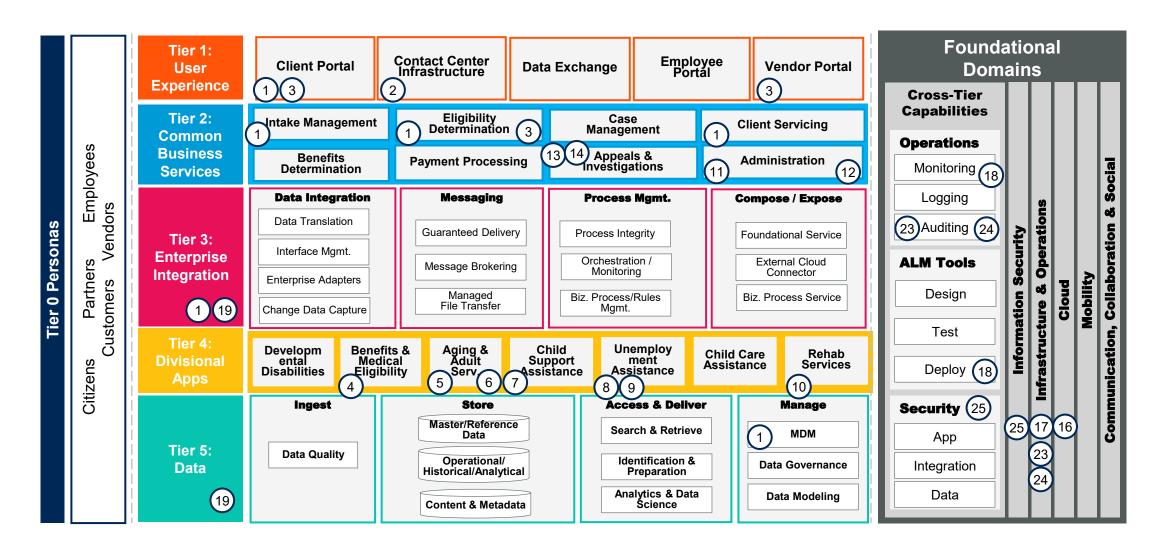








DES Future-State Technology Architecture ("City Plan")





Core Components / Tiers of the City Plan

	Definition	Responsibilities
Tier 1 User Experience	 Provides a seamless and consistent user experience Provides role and function specific user interface 	 Enables processing of user input for the underlying tiers Enables ubiquitous user access Executes security for user authentication and authorization Supports implementation of GUI standards Enables UI enrichment through adhering to usability concerns
Tier 2 Common Business Services	 Capabilities that are common across the business divisions Commonality is based on inferring the business capabilities across divisions 	 Enables a shared service approach where multiple divisions are reusing business logic and capabilities Rules and policies ties to individual divisions should seamlessly be added and modified to support DES common goals and objectives
Tier 3 Enterprise Integration	 Manages communication across tiers or across systems within a tier Ties everything together to deliver business capabilities to the end-user 	 Enables enterprise vision of data model exchange Orchestrates business processes and workflows Provides capabilities of validation, enrichment, transformation, and routing of information Enables encapsulation of individual business capabilities Enables services orchestration Executes policy-driven enterprise services security Enables and enforces enterprise standards for integration Enables cross solutions collaboration to achieve business goals
Tier 4 Application	Provides core business functionality	 Delivers execution of rules and logic to support business and technology capabilities Delivers solution's functionality by performing detailed processing Delivers logical decisions, evaluations, calculations, and data processing
Tier 5 Data	 Houses structured and unstructured data and defines the System of Records' location and ownership resides 	 Enables simplified access to data stored in persistent storage Allows for high availability (e.g. caching) and enhanced performance Enables real-time indexes for real time analytics Enables data lifecycle management Enables enterprise views, e.g., 360 degree view of clients and service

Gartner

Application Pattern Criteria Comparison

Application

	Patterns					
Conditions	Traditional N-Tier App	Portal App	Composite App	SOA / MASA App		
Enterprise Applicability	Low	High	Medium	High		
High Degree of U/X Dev. Control	High	Low	Medium	High		
Fast Initial Time to Market	High	Low	Medium	Low		
Multiple Sources	Low	Medium	High	High		
Ongoing Flexibility / Scalability	Low	High	Low	High		
Comments	 Enable fit-for-purpose departmental functional need. Application logic is tightly-coupled. 	 Dashboard enabler Ideal for reference or collaboration content Emphasis on UX integration. 	 Ideal for business process across multiple processing logic services. Emphasis on logic integration 	Ideal for business process across multiple processing logic services where more UX control and source flexibility is needed		



Master Data Management: MDM Pattern Applicability

Data

	Patterns Patterns						
Conditions	MDM Registry	MDM Consolidation	MDM Centralized	MDM Coexistence			
Best-Fit for Operational Use Cases	Low		High	High			
High Consistency Required	Medium	High	High	Low			
Dispersed Data Sovereignty	ispersed Data Sovereignty High		Low	Medium			
Fast Time to Market	High	High	Low	Medium			
Comments	 Changes to registry do not impact edge applications. Emphasis is on remote data and application-to-application integration Distributed governance for business data and central governance for registry. 	 Nonintrusive to the business, business data model remains unchanged. MDM is the foundation for the BI platform No attempt to clean up source data 	 Hugely invasive to the business data model. Centralized governance Focus on common services and standardization across the enterprise 	 Greatest need to replicate data Global and local governance Focused on shared services Authorship occurs in multiple places 			

BI & Analytics: Descriptive & Predictive Pattern Applicability

Data

	Patterns Patterns						
Conditions	Danasitanı DM	Repository DM		Virtualized DM		Data Laka Data Stara	
	Repository DW	Dependent	Conditional	Integration	Delivery	Data Lake Data Store	
Experimental / Ad- Hoc Use Cases	Low	Low	Medium	High	High	High	
Enterprise Wide Scope	High	High	Medium	Low	Low	Medium	
Fast Time to Market	Low	Low	Medium	High	High	High	
High Demand for Supplemental Data	Low	Medium	Medium	High	High	High	
Low Run-Time Latency Tolerance	High	High	Medium	Low	Low	Low	
Comments	 Shared and central storage of data Best fit for consistent and standard enterprise data model 		or quickly altering or	the business operation	cs are not critical to run is. ed for integration where ingest for delivery where	 Data is consumable (can be accessed) from both the Data Lake and DW. Best fit for well-defined, known and repeatable data use cases and reporting. 	



Data & Message Integration Pattern Applicability

Cross-Tier

Conditions	Data Synchronization / Replication	Batch / Bulk Data Movement	Data Virtualization	Message Oriented Movement
Large Payloads	Medium	High	High	Low
High Reliability Requirement	High	High	Medium	High
Low Latency Tolerance	High	Low	High	Medium
Low Source Impact	High	Medium	Low	High
Adv. Translation Required Low		High		High
Data Security	Medium	Low	Medium	High
Typically has lower overheathan the direct SQL approal Replication is often used as HA solution		 Supports high data quality with built-in transformation capabilities high performance and scalability during runtime 	Does not experience data latency within the DF/DV platform unless caching is used Reduced potential data sprawl	Ability to reduce processing times by creating micro batches Creates less data latency compared to Batch/Bulk pattern

Digital App Overview

Application

Solution Set	ETA Patterns
Digital Channel App	Digital User ChannelComposite U/I
Reference Architecture Capability Detail	ETA Sub-Patterns
Light Browser Client & Heavy Server Processing	 Light Browser Client, Heavy Server Processing Traditional Web U/I
Heavy Browser Client & Light Server Processing	 Heavy Browser Client Light Server Processing Modern Web U/I

ETA Pattern Description

- Modern Web app architecture treats the browser as a full-blown runtime, calling into question the need for many features of traditional server-side presentation frameworks.
- Typically have narrow scope, single-page designs, new UI patterns and new distribution options require radically new competencies from traditional Web development teams.
- Require organizational discipline, strong expertise with HTML5, Cascading Style Sheets 3 (CSS3) and JavaScript, as well as new tools and frameworks.



Security Architecture

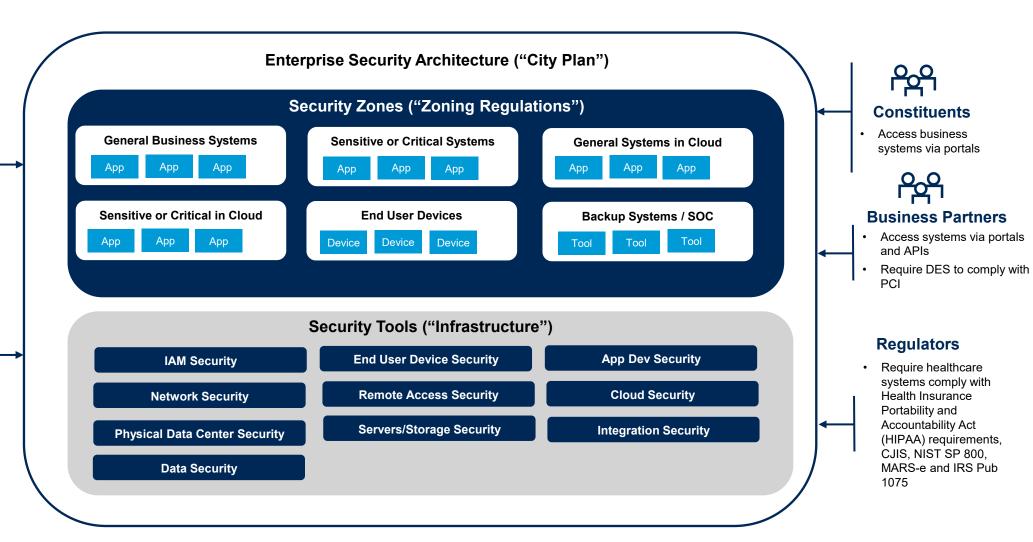


Internal Users

- Access systems via desktops, laptops, portals and DES mobile devices
- Access systems using personal computers and mobile devices



- Most common attack pattern is cyber espionage
- Most common attack patterns for public sector organizations were privilege misuse (55% of incidents) and crimeware (20% of incidents)
- Most commonly targeted assets were user devices (58%) and servers (24%)
- Ransomware attacks increasing



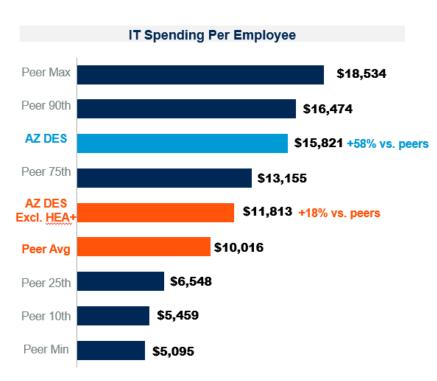
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Roadmap Details

The assessment included a comparison of DES' IT costs to other similar organizations in Gartner's IT Key Metrics database

Gartner's Assessment of IT Cost Benchmark Results



- The IT cost benchmark shows mixed results:
 - IT cost as a percent of operating expense is less than peers (4.6% vs. 7%)
 - However, IT spending per employee is 18%-58% greater than peers depending on whether HEAPlus is included (see chart)
- Gartner believes IT spending per employee is a more reliable comparison as DES operating expense per employee is more than double peers and cost per end user is also significantly greater than peers
- The total cost gap is \$15 million excluding HEAPlus. The gap is primarily driven by personnel cost; particularly in applications
 - Personnel costs represent \$12 million of the gap as DES has 50% more staff than peers (466 vs. 311 excluding HEAPlus)
 - The personal gap is primary driven by business analyst staffing which is 4 times greater than peers
- Business unit IT spend is 58% of IT costs vs. 30% at peers
- Operating expense is 98% of budget vs. 76% at peers implying ongoing accumulation of technical debt (servers off support, gaps in disaster recovery...etc.)



Roadmap Details

The Roadmap identifies improvements to organization and governance to support implementation of the strategic plan. It also identifies new roles needed in IT and how those roles will be fulfilled (roles not depicted below)

The future-state IT governance for DES will enable IT to manage the transition to the service-optimizing operating model and support the strategic program



Security Governance Information Security Advisory Boards



Entity

· CISO

· Information Security Advisory Boards

· IT Governance, Risk & Compliance Manager



Specific Responsibilities

· Develop policies and establish security standards (controls) in particular domains



Decision Rights

- · Recommend policies
- · Recommend priorities and investments
- · Define & approve security controls in particular domains



Chairperson

Membership:

· Enterprise Architect

· IT Admin (if applicable)

Technology Managers

CISO



Typical Meeting Cadence

Monthly



Improvement Scenario



Area		Initiatives
Collaborative Initiatives	1.	Citizen Portal – Reduce cost, compliance risk and client satisfaction and enable DES to ensure the appropriate mix of existing services for program participants by establishing digital intake and servicing capability
	2.	Contact Center Strategy – Provide the opportunity to reduce cost and improve client service quality by developing a contact center strategy
Developmental Disabilities	3.	FOCUS Cloud Migration & Digital Servicing Enhancement – Reduce cost and improve timeliness and quality of services by establishing process and tools to ensure that vendors report on services and status in real-time and establishing a member portal
Benefits & Med Eligibility	4.	AAL Modernization – Improve efficiency by replacing the core systems used for SNAP/TANF, Child Care Program and Low-Income Energy Assistance Program
Aging & Adult Services	5.	Refugee Resettlement System Enhancement – Reduce compliance risk and improve client satisfaction by implementing targeted enhancements to the Refugee Resettlement system
	6.	AZAPSS Replacement – Improve business efficiency and effectiveness by replacing AZAPSS
Child Support Services	7.	ATLAS Replacement - Reduce cost and increase business effectiveness by migrating from the current ATLAS system to a system built on a modern platform that enables real-time information gathering, easy data entry, better integration with other State organizations and effective mobile workforce support



Area		Initiatives
Unemployment Assistance	8.	UI Tax Application Strategy & Selection – Reduce IT and business cost and support risks and improve DES' ability to support emerging requirements by developing an application strategy for unemployment tax processing
	9.	UI Benefits and Workforce Application Strategy & Selection – Provide the opportunity to reduce cost, compliance risk, improve client satisfaction and enable DES to ensure the appropriate mix of existing services for program participants by developing an application strategy for unemployment insurance and workforce
Rehabilitation Services	10.	Rehabilitation Services Application Strategy & Selection – Reduce cost, compliance risk and operational risk to the program by migrating from the current system to a solution that provides effective support for staff in the field
Finance	11.	Automated T&E Processing – Reduce cost, compliance risk and security risk and improve staff satisfaction by implementing automated T&E processing
	12.	ARICS Replacement – Reduce support risks by migrating from the current Account Receivable Integrated Collections System (ARICS) to a new solution built on top of Salesforce
Administration	13.	OIG Investigations Application Strategy & Selection – Improve the productivity and effectiveness of the investigation unit by developing an application strategy and selecting a new system for the OIG investigations teams
	14.	OIG Appeals Application Strategy & Selection – Reduce security risk by migrating Appeals to a new solution



Area	Initiatives
Information Technology	15. Enterprise Architecture Enablement – Reduce cost and improve business productivity, business effectiveness and IT agility by establishing an effective enterprise architecture capability
	16. Cloud Enablement – Improve operational reliability and provide the opportunity to provision, manage and secure resources in the cloud by implementing targeted improvements to infrastructure and operations
	17. Business Resiliency Improvement – Protect non-mainframe critical systems by establishing a tested disaster recovery capability for critical systems
	18. Application Development Productivity & Quality Enhancements – Increase application development productivity and availability and reduces the number of defects in production by improving requirements specification, testing, version control and performance monitoring
	19. Collaborative Information Management – Provide the opportunity to improve the "customer experience" for DES clients and enable the Department to ensure the appropriate mix of services for program participants by establishing a central information management capability and developing an architecture and roadmap for information management
	20. Proactive Workforce Planning & Fulfillment – Improve IT effectiveness and reduce IT cost by establishing proactive approach for talent acquisition and retention for staff in critical roles
	21. Proactive IT Portfolio Management – Reduce IT costs, increase the return from IT investments and provide the opportunity to effectively manage enterprise-wide initiatives by establishing enterprise-wide governance capability and more robust financial management for all large IT projects



Area	Initiatives
Information Technology	22. IT Sourcing Enhancement – Reduce IT cost, reduce risk of vendor performance shortfalls and support the transition to cloud by establishing an effective central IT sourcing and vendor management capability
	23. Robust IT Asset Tracking and Management – Reduce cost and compliance risk by establishing a robust asset management capability for IT assets
	24. Enhanced Software Asset Management – Reduce IT cost and reduce risk of software penalties and true up fees by establishing reasonable software asset management capabilities
	25. Proactive IT Security – Reduce the risk of gaps in the security program leading to a breach that disrupts services to clients or exposes confidential or protected information by establishing essential security management capabilities

