



From AI-possible to AI-proven

Start your journey with Dell Technologies



Leaders have many questions they need to answer

Generative AI (GenAI) has enormous potential for driving breakthrough transformation. But as with any emerging technology, tangible business value is gained only by leveraging GenAI in the right way for the unique demands of your business. While the value of GenAI is obvious, the path to achieving it is not, leaving business leaders struggling to find answers. Let us help you simplify your AI journey and swiftly drive innovation, by going from AI-possible to AI-proven.

How do we quickly get started?

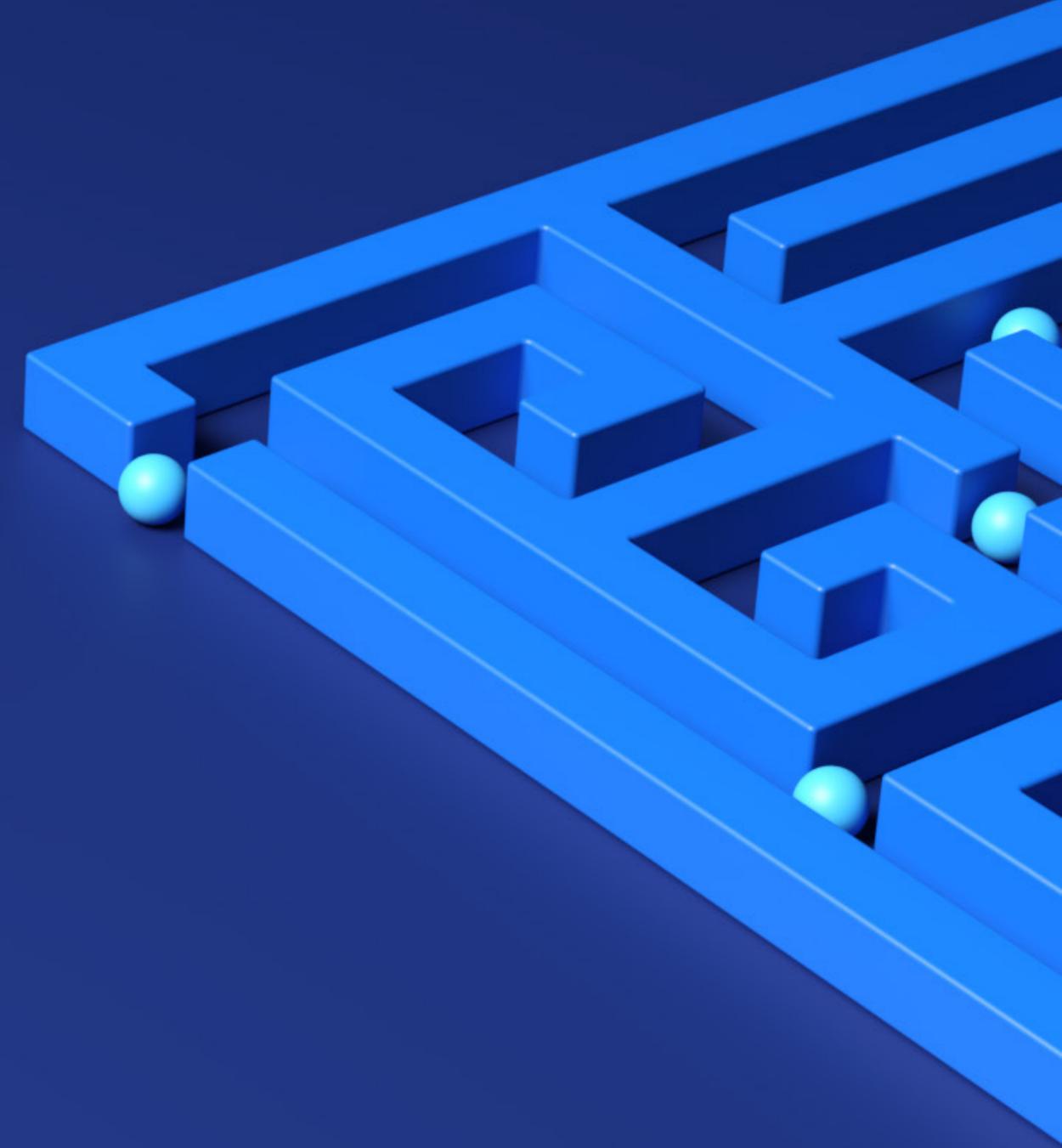
How do we level up GenAI skills?

How can we maintain operational efficiency?

How do we gain consensus across the business?

How can we minimize data security risks?

How do we best leverage enterprise data to power AI projects?





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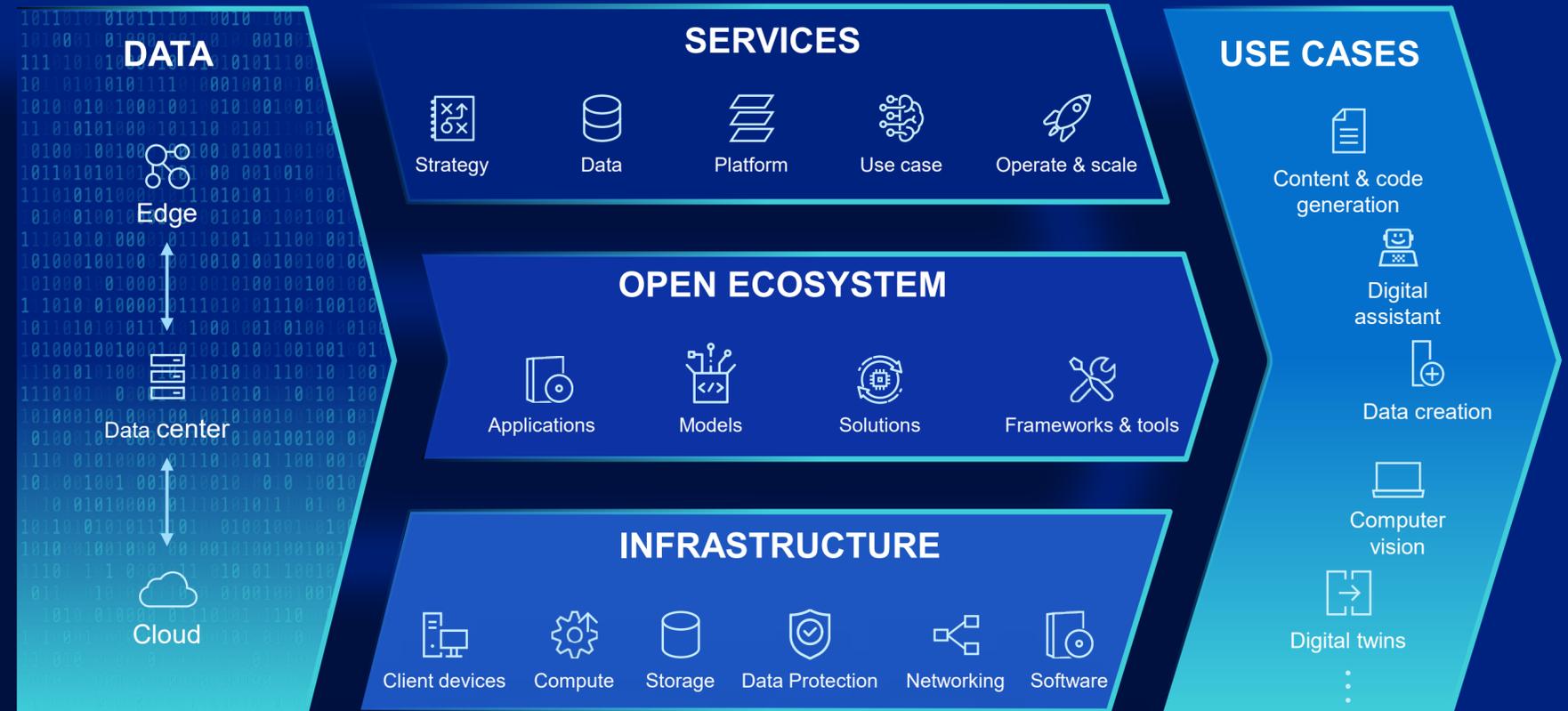
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Accelerate outcomes with help at every stage

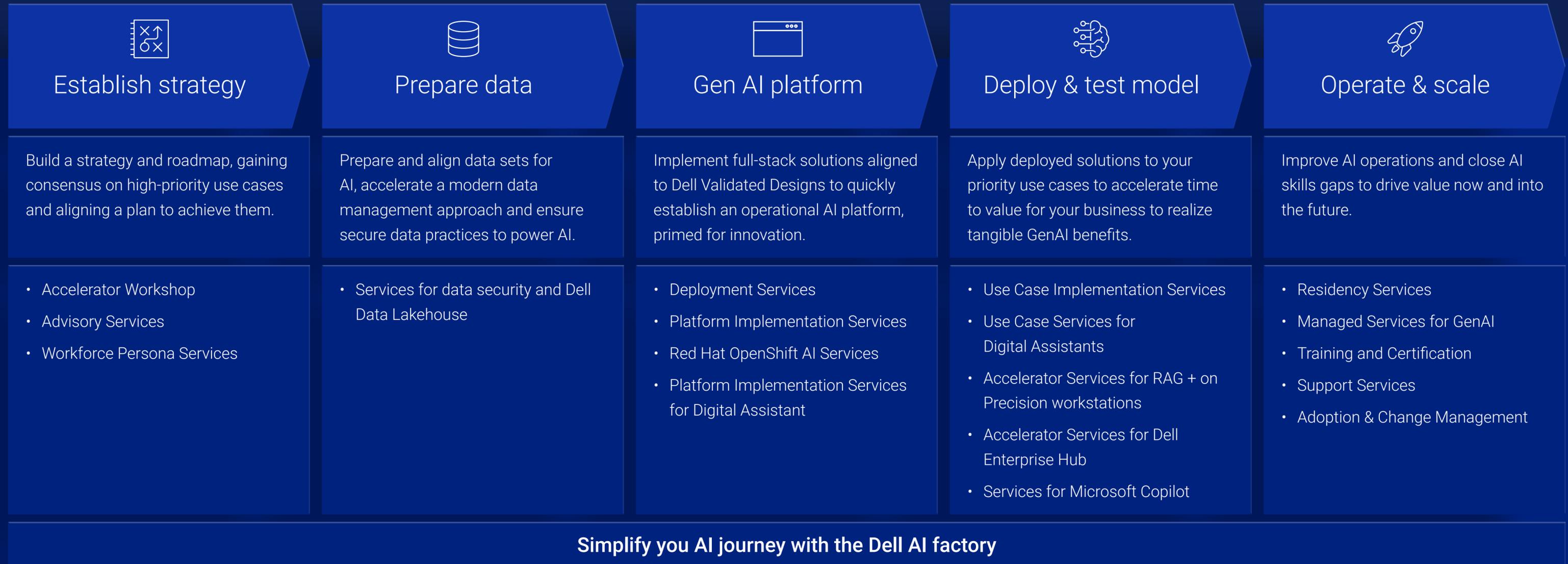
The Dell AI Factory is Dell's approach for embracing and implementing AI. It helps businesses accelerate their AI initiatives, bringing together the industry's only end-to-end AI-optimized infrastructure portfolio together with expert guidance and services to help you navigate this complex journey throughout the AI lifecycle.

We enable you to support a variety of use cases and budget plans, meeting you wherever you may be in your journey. And we strive to keep pace with shifting needs and help you overcome any potential obstacles through constant innovation.

THE DELL AI FACTORY

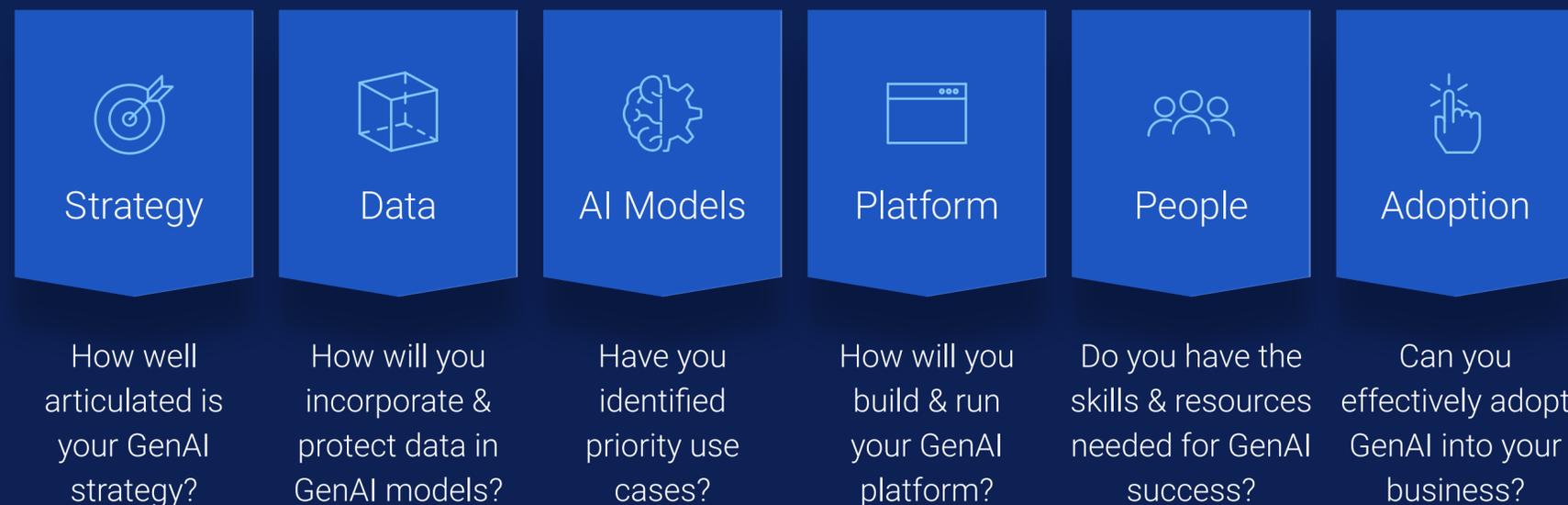


Dell Services trusted experts provide guidance and assistance at every stage of your AI journey to accelerate outcomes and drive success into the future.



Power the Enterprise AI experience

How ready is your organization for pursuing AI priorities? Our process will assess your readiness across 6 key dimensions.



Not sure how to get started?

A great first step in determining how your organization can maximize GenAI value is our **Accelerator Workshop for GenAI**. This half-day facilitated event offers collaborative and engaging sessions with key stakeholders, designed to identify key challenges and help you achieve clarity for your AI vision. With over 1,000 workshops delivered per year and decades of experience, we will help you drive success with GenAI.

By analyzing your "AS-IS / TO-BE" state, we'll identify key gaps and challenges you'll need to address and focus on in order to effectively bring AI into your business.



Rely on Dell's proven methodology

Achieving tangible business value from GenAI requires a well-defined strategy, with actions that need to be taken to achieve objectives. Furthermore, it requires that the needs of the business are aligned to the plans of the technology.

Rely on proven methodology from **ProConsult Advisory Services for GenAI**. We'll conduct an in-depth assessment to clearly define how you'll achieve GenAI success, while ensuring alignment from business and IT leaders. And with our proprietary use case prioritization tool, we analyze hundreds of potential use cases and recommend those that will be the most beneficial to focus on.



Prioritize use cases and get stakeholder alignment



Define your desired GenAI future state with proven methodology



Develop an actionable roadmap with expected outcomes



6-week transformation canvas

As a result of a ProConsult Advisory engagement we deliver an actionable roadmap with aligned outcomes to move you forward, with varying levels of engagement to suit your needs. Explore our example of a six-week advisory engagement to see what type of activities and outputs you can expect.

EXAMPLE 6-WEEK TRANSFORMATION ROADMAP

AS-IS

Current State GenAI Use Case Lifecycle

Information Inputs

- Identified Use Case
- Data Source Requirements
- Global AI Usage Guidelines
- Budget Information
- Known Use Case Lists
- AI Architectures and Development Standards

Information Outputs

- Final Resource Plan
- POC Design and Architecture
- Approval for Production
- Use Case Production Method
- Use Case POC Results
- Cost and Value Impacts

Challenges

- Data:** Traditional data management capabilities for structured data must extend to support unstructured sources and modern data marketplaces.
- AI Models:** Overlapping GenAI use case terminology and solution patterns create confusion and alignment challenges.
- Process:** Parallel innovation efforts across Acme have led to multiple data collection and prioritization frameworks.
- People:** Current governance capabilities must be strengthened to track strategic GenAI investments and manage novel risks.

GenAI Readiness Assessment

Top Priority GenAI Use Cases

TO-BE

GenAI Data Management

Acme's foundation of enterprise Data Management for structured data must extend into standardized, secure, and scalable interactions with the unstructured data that powers many GenAI Use Cases.

Improved GenAI Solution Alignment

Simplifying and extending solution patterns will reduce confusion, increase alignment, and drive faster time to value for Acme's Strategic GenAI Priorities.

GenAI Use Case Prioritization Framework

A single framework should be leveraged for GenAI Use Case data collection (common fields and data attributes) and prioritization (business value and feasibility) that will drive shared value across all Acme LOBs.

Target GenAI Maturity

GenAI Use Case Clustering

Clustered similar use cases to create faster, more efficient delivery opportunities and improve outcomes.

ACME Inc

STRATEGIC VISION

Categorize and prioritize Acme's GenAI Use Cases through a proven, value-based assessment framework that considers data readiness and Acme's custom priorities.

Establish enterprise solutions that deliver against the exponential growth in data and analytical demands from the business.

GUIDING PRINCIPLES

Data Management Principles: Scalability and Elasticity, Resource Management, Security and Privacy, Interoperability.

GenAI Development Principles: Model Lifecycle Management, Trust and Explainability, Monitoring and Analytics, AI Governance.

ISSUES

#	Issue	Process Stage	Category	Priority
1	Non-Standard Use Case Data Capture Efforts	Ideate	Inconsistent or Undefined Process	High
2	GenAI Use Case Library Accessibility	Ideate	Data Accessibility	High
3	GenAI Use Case Library Accuracy	Ideate	Data Quality	High
4	Lack of Global GenAI Use Case ID	Ideate	Data Reference Sprawl	High
5	Lack of Clear Hand-Off to Privacy Impact Assessment (PIA)	Review	Workflow Obscurity	High
6	Lack of Visibility Following AI Board Review	Review	Workflow Obscurity	High
7	Uncertainty in GenAI Use Case Awareness at CDO	Review	Data Quality	High
8	Complexity of Use Case Submission Process	Review	Manual Effort	High
9	Missing Relevant Use Case Details	Review	Data Accessibility	High
10	Varied Quality of Use Case Descriptions	Align and Prioritize	Data Quality	High
11	Annual Planning and Resource Alignment	Align and Prioritize	Process Flow	High
12	Lack of Common Business Alignment Model	Align and Prioritize	Inconsistent or Undefined Process	High
13	Unaligned Alignment to Standard KPIs	Align and Prioritize	Data Quality	High
14	Unused GenAI Archetypes	Align and Prioritize	Data Quality	High
15	Manual Archetype Mapping	Align and Prioritize	Manual Effort	High
16	Some Submissions Not GenAI-Aligned	Align and Prioritize	Manual Effort	High
17	One-Time Initial Feasibility Assessment Event	Align and Prioritize	Manual Effort	High
18	Manual Reference Architecture Mapping	Align and Prioritize	Manual Effort	High
19	Inconsistent Expert Judgments of Emerging Technologies	Align and Prioritize	Inconsistent or Undefined Process	High
20	Dynamically Changing Environment Assumptions During Feasibility Assessment	Develop POC	Bounded Decision-Making	High
21	High-Effort Use Case Feasibility Assessment	Develop POC	Manual Effort	High
22	Production Enablement Uncertainty	Launch	Data Quality	High
23	Financial Readiness Complexity	Launch	Process Flow	High
24	POC Guidance for Direct Sponsoring Parties	Launch	Inconsistent or Undefined Process	High
25	Some Lack of Common Platform Usage	Launch	Inconsistent or Undefined Process	High
26	GenAI CoP Programs Repeatability	Launch	Inconsistent or Undefined Process	High
27	Staged GenAI Development Efforts	Launch	Workflow Obscurity	High
28	GenAI Use Case Point of Contact Uncertainty	Launch	Workflow Obscurity	High
29	Technology Standards Review Alignment	Launch	Inconsistent or Undefined Process	High
30				

TRANSFORMATION ROADMAP

Phase 1 (Months 1-3): Rapid value creation

Phase 2 (Months 4-12): Streamline and scale current solutions to achieve Enterprise reach, and establish foundational components and capabilities for long-term GenAI Data Readiness

Phase 3 (Months 13+): High-maturity, future-ready GenAI outcomes and efficiencies

GenAI Data Management: DM.01 Data as an Enterprise Resource, DM.02 GenAI Data Replication Strategy, DM.03 Metadata Control Plane, DM.04 GenAI Data Source Onboarding, DM.05 Unstructured Data Discovery & Cataloging, DM.06 Intelligent Chunking, DM.07 Data Versioning Framework, DM.08 Synthetic Data as a Service

GenAI Solution Patterns: SP.01 Rationalize GenAI Toolkits, SP.02 Use Case Solution Mapping Service, SP.03 AI/Ops Automation, SP.04 Cross-Model Integration Services, SP.05 Enhance GenAI Model Registry Data, SP.06 Feedback Loop Templates, SP.07 AI Model Explainer

GenAI Lifecycle Processes: LP.01 GenAI Review Process Integration, LP.02 Centralize GenAI Use Case Registry, LP.03 Standardize GenAI Estimation Practices, LP.04 Use Case Tracking Dashboard, LP.05 Prioritization Automation, LP.06 Prioritization Enhancement

GenAI Governance: GV.01 GenAI Use Case Convergence, GV.02 GenAI Use Case Governance Dashboard, GV.03 Add Value to GenAI Dashboard, GV.04 Establish Data Trust Framework

BENEFITS

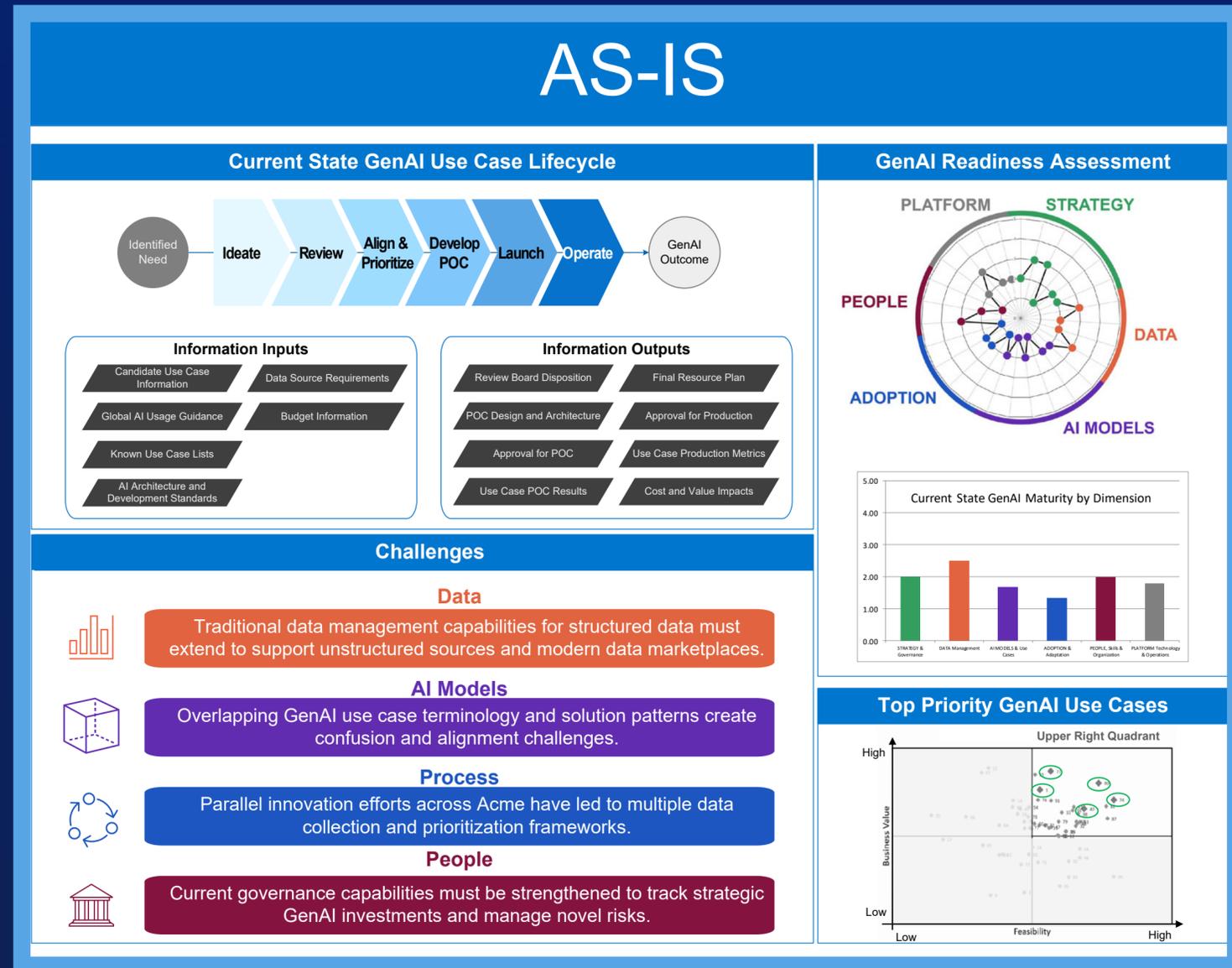
ID	Cluster Description	Metrics & KPIs	Value Impact* (Est./Case & Pattern)	Plot
AID	Automated Insight Discovery - Help employees quickly find and surface relevant, human-readable information from large, complex, and/or diverse datasets	Support productivity Repeat dispatches Contacts per event Issue resolution time Service renewals CSAT & cNPS	High Potential \$70-100My	Cluster AID
CEP	Customer Experience Personalization - Customer Acme product data for customer's intent with tailored solutions, bundles, answers and recommendations	Conversion rates Customer base growth	V. High Potential \$100M-ly	Cluster CEP
ACS	Augmented Customer Support - Provide real-time, customer support agent-facing virtual agents services to augment customer support interactions	Average Handling Time Issue resolution time Repeat dispatch Service renewal CSAT	High Potential \$70-100My	Cluster ACS
IEA	Intelligent Employee Assistance - Provide real-time employee-facing virtual agent services to employees (e.g., sales, HR, developers etc.)	Conversion rates Customer base growth Employee efficiency eNPS	High Potential \$70-100My	Cluster IEA
DCA	Dynamic Content Advertising - Automation of initial generation, transformation and optimization of sales and marketing content (e.g., proposals, multi-media content, etc.)	Revenue Lead generation Conversion rates Customer base growth Marketing productivity	V. High Potential \$100M-ly	Cluster DCA

*Value impact quantification based on long-term use case potential for related GenAI opportunities (initial function + solution)

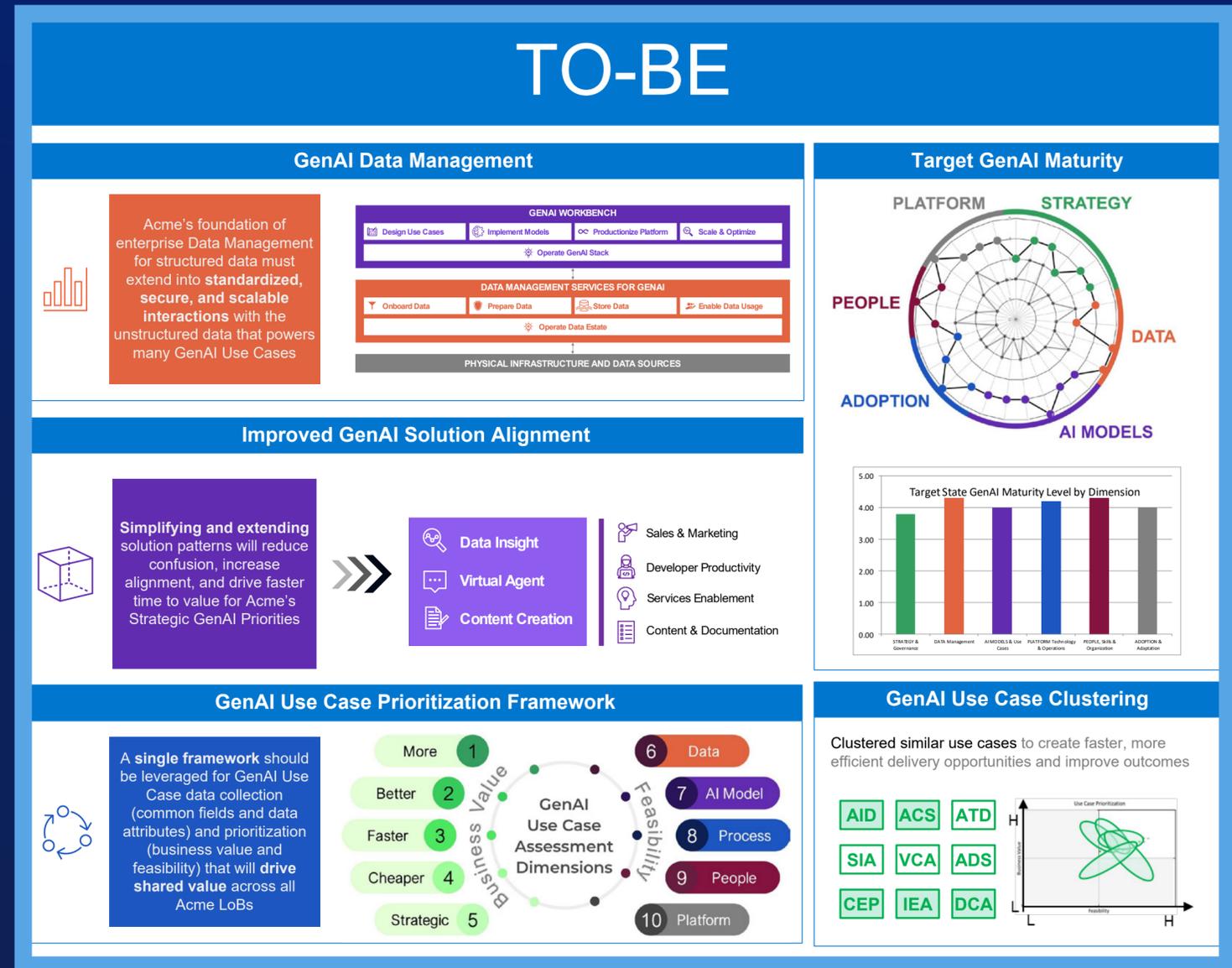


We conduct structured interviews to identify your current state, identifying key challenges and use case opportunities.

We also uncover major gaps to achieving GenAI maturity goals and deliver a prioritized list of focus areas and use cases that will drive the most value.



EXAMPLE AS-IS SECTION FOR 6-WEEK TRANSFORMATION ROADMAP



EXAMPLE TO-BE SECTION FOR 6-WEEK TRANSFORMATION ROADMAP



Unlock the value of GenAI investments

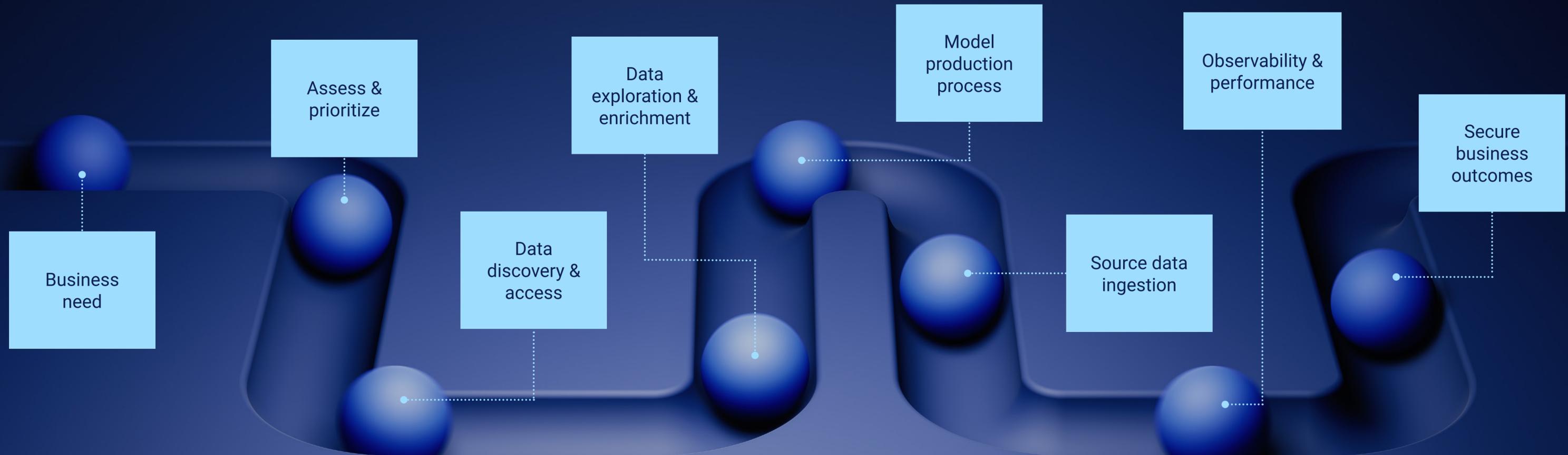
With the power of our **Digital Employee Experience Services**, we help you unlock the benefits of GenAI for your end users. **Workforce Persona Services for GenAI** help your organization understand its end user needs, guiding GenAI technology decisions and promoting individualized adoption of new tools.

Adoption and Change Management Services for GenAI help businesses realize greater value from GenAI investments, ensuring employee understanding and utilization is optimized from the start. We'll help make sure AI investments align with organizational goals to drive efficiencies.



Effectively leverage enterprise data to power AI projects

The data management journey is complex and much of company data goes unused for analytics and decision-making. While data is the greatest differentiator and the most valuable asset to an organization, its value can only be realized when handled in the best way.



Secure your data

Let us help you advance cybersecurity maturity with **Advisory Services for GenAI Data Security**, identifying threats throughout the lifecycle to mitigate risk and improve resiliency.

Threats

 Data Injection

 Data Sourcing

 Data Poisoning

 Data Preparation

 Model Poisoning

 Model Development & Customization

 Data Exposure

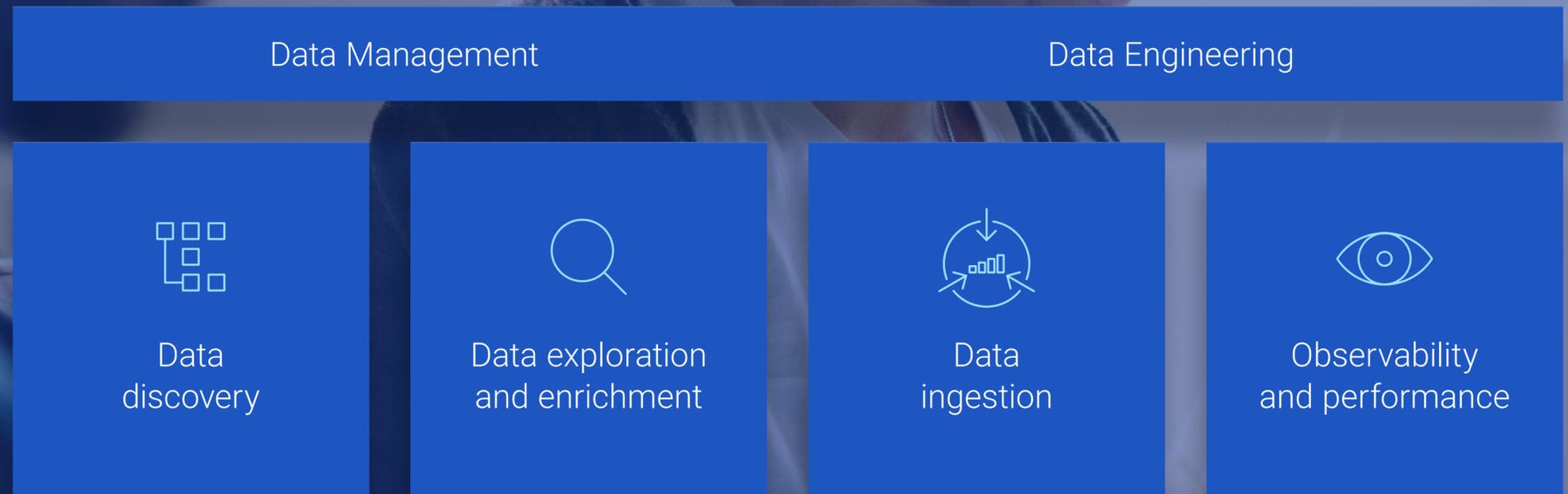
 Adopt & Scale



Achieve validated data

Implementation Services for Data Preparation take your data through a rigorous process of identification requirements. Dell experts cleanse, label, and anonymize data sets to get data in the right format to enable AI projects.

Data preparation services



Data quality matters for generating the right AI outcomes



Accelerate a modern approach to data that fuels AI

The Dell Data Lakehouse, with a single, federated query engine for all enterprise data, connects directly to the tools your organization prefers, without movement. **Accelerator Services for Dell Data Lakehouse** will help you maximize ROI by quickly building a fully operational and optimized lakehouse platform that supports data analytics and drives AI value. We can also extend your team's internal capabilities to help you fully leverage the data analytics engine within the Lakehouse. **Advisory Services Subscription for Data Analytics Engine** provides a dedicated expert to optimize operations, ensure AI use cases align to business objectives and increase speed of adoption – all while enhancing security and governance.

Dell Data Lakehouse

Dell Data Analytics Engine
Powered by Starburst

Dell Lakehouse

(K8s-based)



↓ **Scale-out Compute** ↓



Scale-out object storage

ECS | ObjectScale | PowerScale

Strategize → Implement → Adopt → Scale



Unified data ecosystem



Unmatched scalability and performance



AI-ready data without movement



Improved security and governance



Simplified operations and cost-savings



Overcome the complexity of AI Infrastructure Deployment

The deployment of AI infrastructure presents significant challenges, including managing the sheer scale of the deployment, accommodating the physical weight and dimensions of servers, devising unique networking solutions to handle an increased number of cables, and meeting the demanding power and cooling requirements, including specialized infrastructure needs such as liquid cooling. Our PowerEdge servers, paired with NVIDIA's Infiniband and Spectrum X networking, tackle these challenges to form a powerful foundation for AI workloads within the Dell AI Factory.



Per Rack	Typical Server	Gen AI XE9680
# of servers	15-20	2-4
# of compute GPUs	15-20	16-32
Cables	30	104
kW (peak)	5	20-40

Per Rack	Typical Server	Gen AI XE9680
Server size	1-2U	6U
Weight (lbs)	<25	200+
Compute nodes	1	8
kW (peak)	0.6	10
Interconnect	Ethernet	Infiniband

Considerations for getting your data center ready for AI

- Size and space
- Power and cooling
- Cable layout
- Packaging disposal



Dell experts deliver fully optimized AI infrastructure

Dell deployment experts have the skills and experience to navigate these complexities and quickly get infrastructure fully operational and optimized from day one. Our approach is rooted in understanding and meeting the unique needs of your data center and ensuring a scalable and secure environment suited for future expansion.

Once the infrastructure is in place, we complement hardware deployment with Implementation Services for GenAI platform. In alignment with Dell Validated Designs, our experts implement the tools and frameworks needed to establish a fully operational platform, primed for innovation.



Infrastructure Assessment

Ensure data center is ready to support the rigorous demands of GenAI solutions



Design and Architecture

Design a secure platform to support scalable AI solutions



Build and Configuration

Quickly and optimally get the environment racked, cabled and configured



Testing and Validation

Ensures all systems operate at peak efficiency and meet performance criteria



Deliver to Customer

Dedicated delivery and setup for immediate operation



Knowledge Transfer

Skills transfer enable your teams to effectively manage the GenAI platform for long-term success



Prioritized GenAI use cases aligned to your platform

Use case prioritization is a critical step to determining which use cases will add the most value to your business. Our Advisory Services can guide you through this process. Once you've determined the best use cases to focus on, we'll accelerate them into your business. **Dell Implementation Services for GenAI use case** focus on applying the platform to your specific use cases. We will implement and configure a pre-trained NVIDIA model in NeMo framework format and integrate that model with your chosen application, all while ensuring stakeholder consensus across the business.

Common use case examples



Customer operations



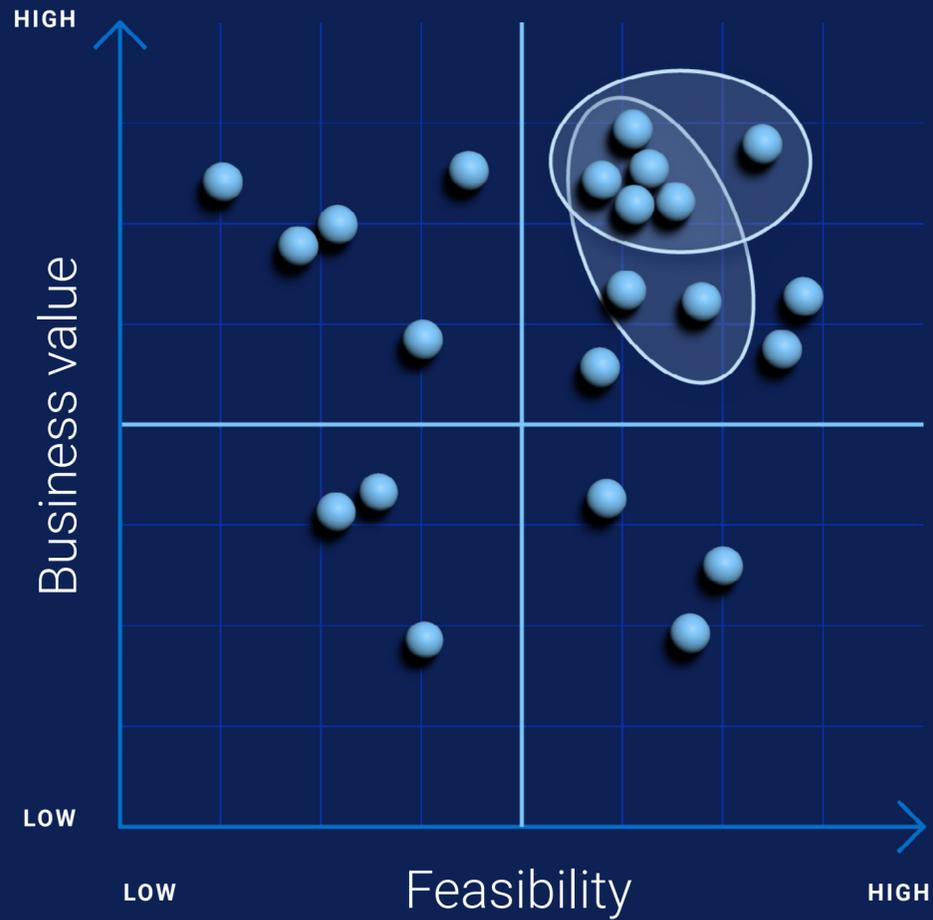
Content Creation



Software Development



Sales & marketing



- Implement and configure a pre-trained NVIDIA model, integrated with your chosen application
- Alignment with stakeholders on the ideal model for your business and use cases
- Knowledge and best practice sharing of the software stack use and architecture

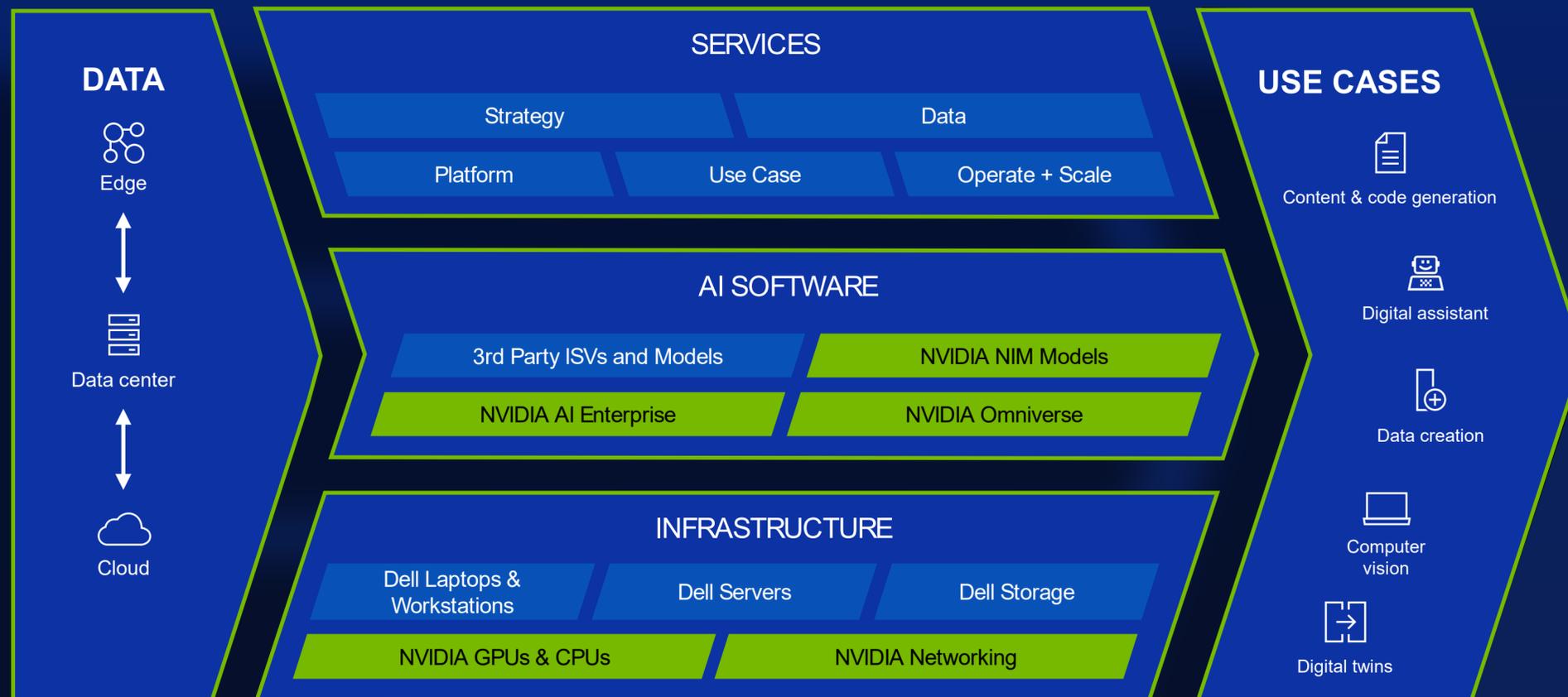


The Dell AI Factory with NVIDIA

The Dell AI Factory with NVIDIA helps organizations accelerate their AI initiatives and proof-of-concepts into production. Combining a collaborative approach with our portfolio of platforms, software and services, businesses can adopt AI at pace to transform insights into value faster.



INDUSTRY'S FIRST END-TO-END ENTERPRISE AI SOLUTION



Transform self-service and boost operational efficiency with Digital Assistants

The Dell GenAI Solution for Digital Assistants combines the power of Dell hardware and services with NVIDIA GPUs to rapidly introduce digital assistants tailored to your unique business needs.

- Elevate the end-to-end self-service experience with natural conversations

- Engage your customers in their language, 24/7

- Offload repetitive tasks and refocus employees on high-value activities

Digital assistants can be leveraged for practically any self-service need. Examples include:

- Customer service
- Information concierge
- Technical support
- Scheduling
- Training and education

Digital assistants have uses across many industries and operational needs:

- Smart cities (the City of Amarillo is a great example)
- Retail and online shopping assistants
- Healthcare check-in/out
- Hospitality



Dell Services for Microsoft Copilot

Microsoft Copilot solutions are one of the fastest ways to get GenAI tools into the hands of your teams, operating directly within the tools and workflows they already use every day. Implementation Services for Microsoft Copilot Solutions include:

Microsoft Copilot
for Microsoft 365

Unleash creativity &
productivity

Microsoft Copilot
in Windows

Unlock the full power
of Windows 11

Microsoft Copilot
for Sales

Access timely data &
accelerate sales

Microsoft Copilot
for Security

Detect & respond to
threats faster

GitHub
Copilot

Enable limitless
innovation &
possibility

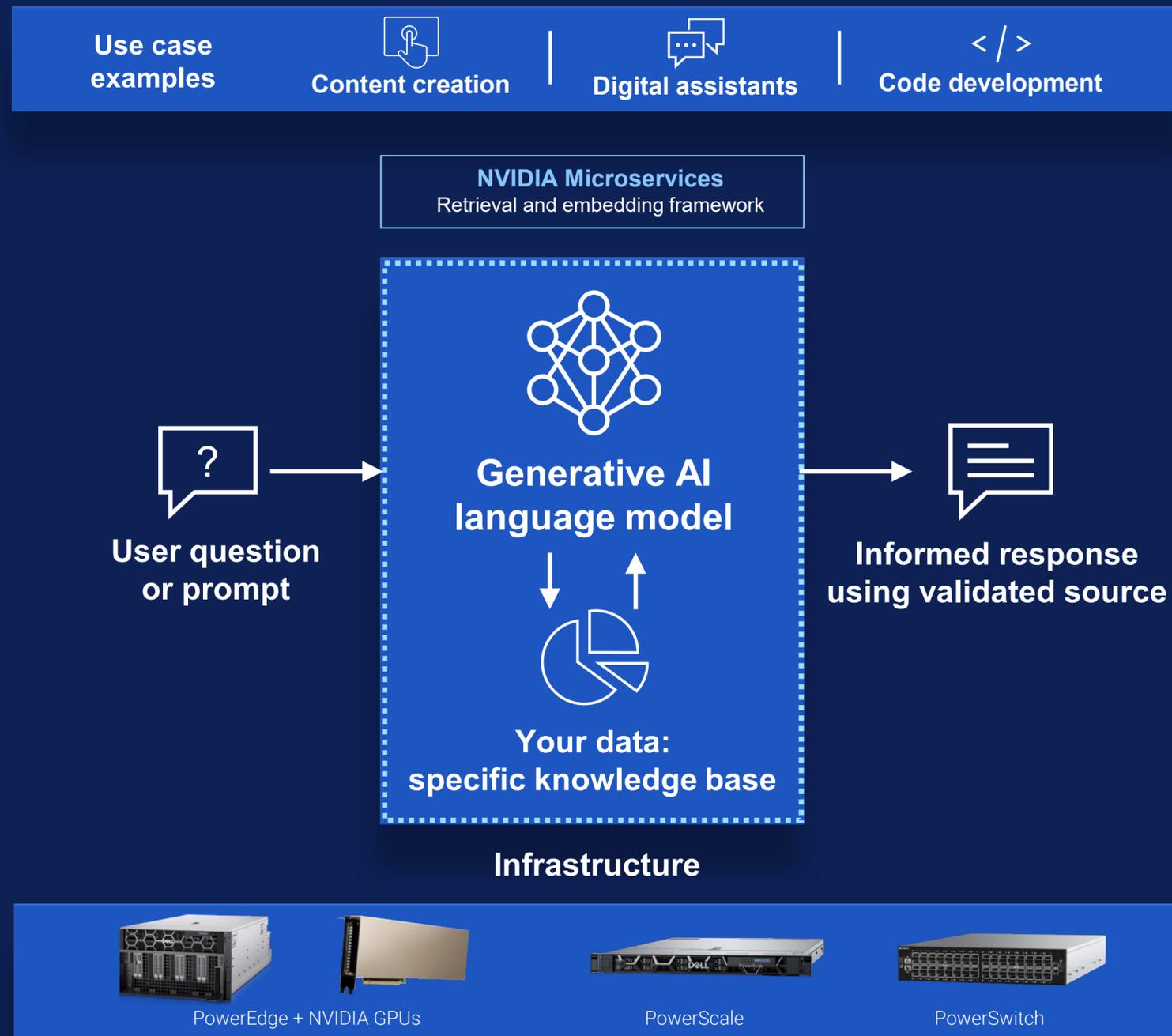
Services aligned to these solutions help you rapidly enable more efficient ways of working, embrace GenAI with reduced risk and maximize adoption and success of AI initiatives.



Quickly deliver a more accurate and reliable GenAI application

Accelerator Services for RAG - aligned to RAG design with NVIDIA Microservices - allow you to:

-  Assess and prepare data
-  Deploy LLM & implement retrieval system
-  Refine & optimize retrieval system for your specific use case
-  Test and configure end-to-end system



Jumpstart your journey to GenAI success

Retrieval-Augmented Generation (RAG) is a technique for enhancing the accuracy and reliability of GenAI models with facts sourced from your own data, based on an information retrieval framework. RAG is like the "easy button" for entry into GenAI, as it requires no data science expertise. Accelerator Services for RAG help quickly design, develop, implement and test the Dell-NVIDIA RAG solution using sample data to drive better, richer data-driven decisions.

Taking that easy button approach even further, we introduce Accelerator Services for RAG on Precision AI-ready workstations. Leveraging the NVIDIA AI Workbench as part of the architecture, services experts build a ready-to-go mobile lab on a Precision workstation to enable rapid prototyping in a pre-validated environment. This provides a cost-effective, convenient mobile alternative for domain and enterprise-specific LLMs, offering a sandbox for developers to experiment with GenAI.



Rapid prototyping in a pre-validated environment



Cost-effective, low-risk exploration of GenAI use cases



Convenient, portable GenAI testing and demonstration



Closing GenAI skills gaps



Expert guidance to enhance your experience

When it comes to selecting the right AI models, there are thousands to choose from, and countless ways to configure a developer environment. Hugging Face has become the de-facto repository for open-source AI models, libraries and datasets. The new Dell Enterprise Hub on Hugging Face platform provides simplified on-premises deployment of customized large language models on Dell's top selling infrastructure. Accelerator Services for Dell Enterprise Hub enhance the developer experience, with guidance on tool and model selection and demonstration of a basic chatbot implementation using the validated model containers, all enabling rapid GenAI prototyping.

-  Reduce time to value for rapid GenAI prototyping on a secure portal
-  Drive developer and infrastructure efficiency with guidance on tool and model selection and use case alignment
-  Augment capabilities and outcomes with knowledge and best practice sharing



Simplify operations with fully managed solutions for GenAI

Dell Managed Services for Generative AI allow your teams to focus their time on GenAI use cases and model customization, while Dell experts focus on managing the underlying GenAI infrastructure.

We manage the full solution stack, aligned with Dell Validated Designs, using the Dell Managed Services platform to manage the solution hardware and software, simplifying time to market and driving AI workloads.

- ✓ Deploy solution stack
- ✓ Monitor and manage infrastructure and GenAI Platform
- ✓ Optimize infrastructure continuously
- ✓ Monitor availability and track performance
- ✓ Manage day-to-day activities to maintain health of environment
- ✓ 24x7 delivery and support

Example Use Cases

 Marketing & Sales
Content generation

 Chatbots and
virtual assistants

 Software
development

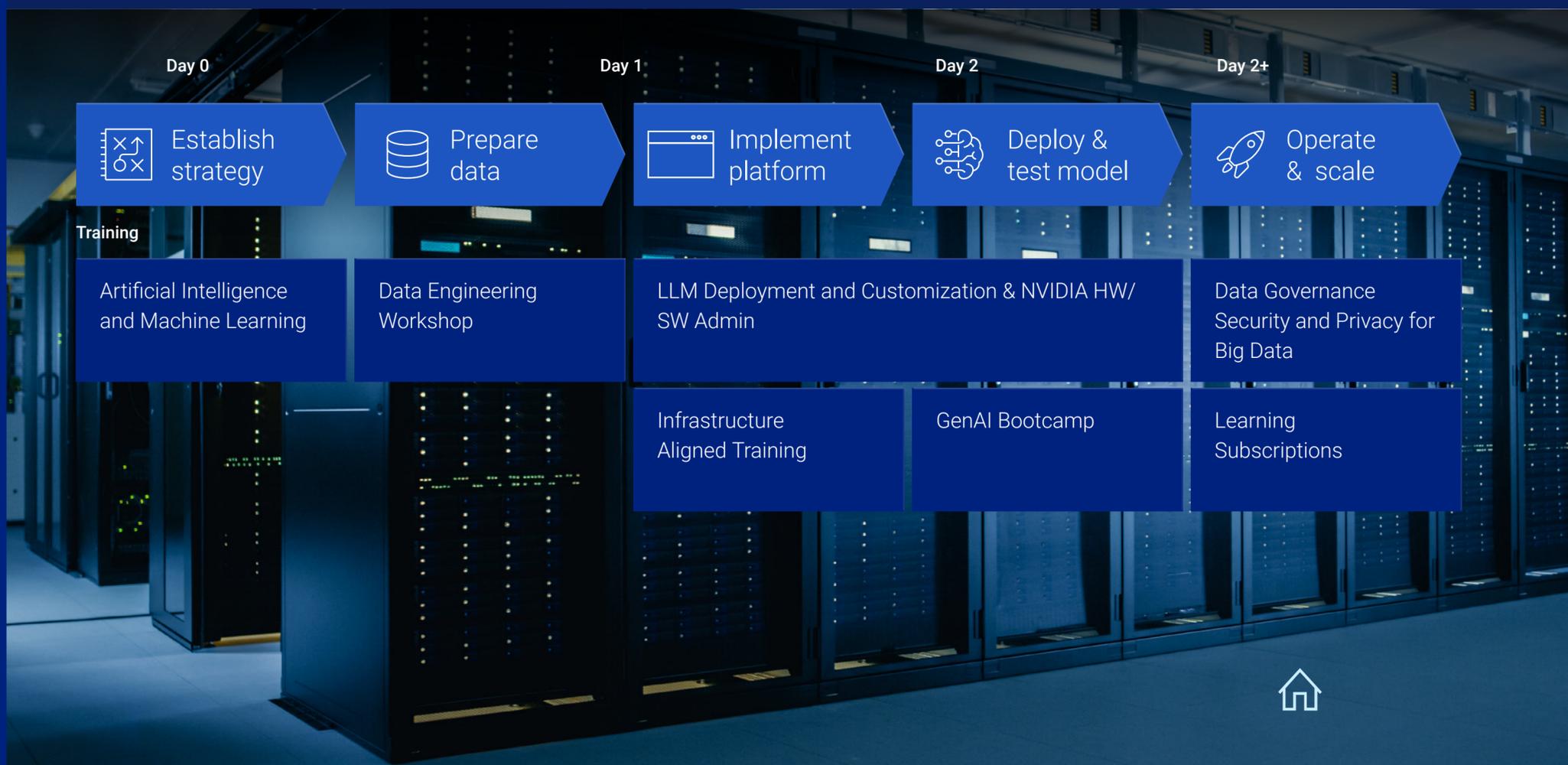


Extend GenAI skills and capabilities

Residency Services for GenAI provide a certified technical expert to extend the internal capabilities of your IT team, helping speed new technology adoption and maximize ROI. Bringing deep skills and experience across vast AI technology areas and partners like NVIDIA, residents utilize best practices to simplify operations and processes and keep technology running at peak while engaging your IT teams to set them up for future success.

- ✓ Validated skills to extend internal IT capabilities and maximize the value of GenAI solutions
- ✓ Enable quick adoption of new technology and enhance utilization
- ✓ Simplify operations and enhance processes & procedures
- ✓ Technology running at peak performance, plus best practice sharing to enhance internal skills

You can further close skills gaps with hands-on training courses and certifications from Dell, even before equipment arrives. We provide extensive training options to build GenAI skills, including GenAI LLM certifications with NVIDIA, industry-leading certifications to empower your teams with validated data engineering, and LLM skills to accelerate time to value of your investment. More information about training and available courses and certifications can be found at education.dell.com.



Why is Dell the right partner for your journey into GenAI?



Dell provides the world's broadest portfolio of full-stack scalable GenAI solutions together with leading partners such as NVIDIA.



This unique approach leverages simplified, tailored and trusted solutions that combine customer data with the power of GenAI to drive innovation and tangible business value.



Recently recognized by Forbes as one of the "2024 World's Best Management Consulting Firms", Dell provides trusted expertise with decades of experience from strategy through adoption to drive AI value to your business faster.

[Learn More](#)



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POWERED BY STATISTA

