



Dell Technologies Partner Webinar Series: Powering the AI



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DellQuotes@carahsoft.com | 888-662-2724

Dell Technologies

Artificial Intelligence
Powering the AI

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DELLTechnologies



Dell Technologies


- Dell Technologies' Advantage
- Infrastructure – Modernizing
- What is Artificial Intelligence (AI)
- AI & Partner(s)
- AI in the Data Center
 - Compute
- Dell's Approach to AI
- Questions & Answers



Dell Technologies

Accelerating IT
from Ideas
to Innovation

Strategic Partnerships
highlighting technology
leaders and innovators

 **DELL** EMC
Tracewell
Hugging Face
Thales
Open Source
VMware
RSA
Microsoft



Artificial
Intelligence

Cloud Native
Applications



Modern Data
Center

Modernization
Private Cloud



Multicloud

SaaS
FedRamp



Edge

RealTime
Analysis
Edge AI

Zero Trust Authentication  Security Audit Logging

DevSecOps
Containers
Agile

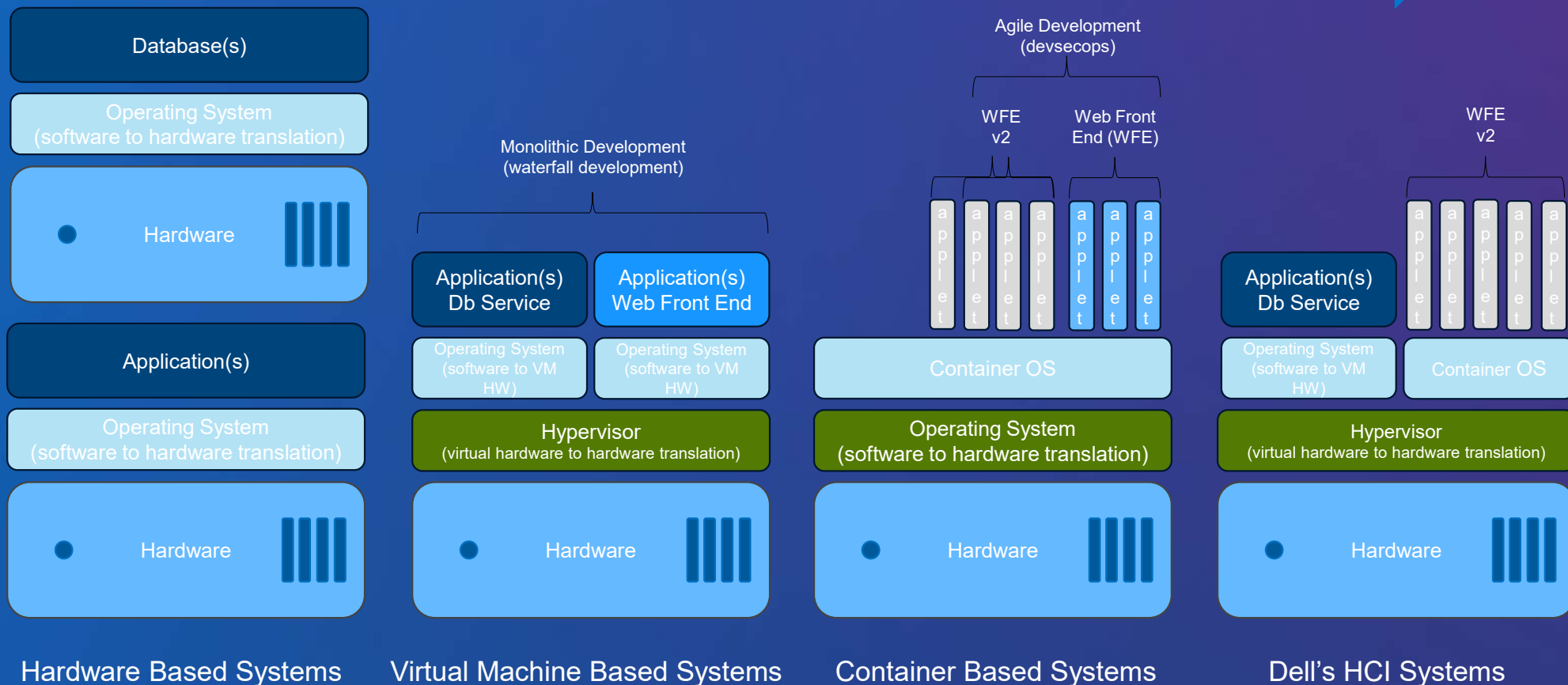
AI Ready
Agile
Virtualization

Cloud Portability
Hybrid Cloud

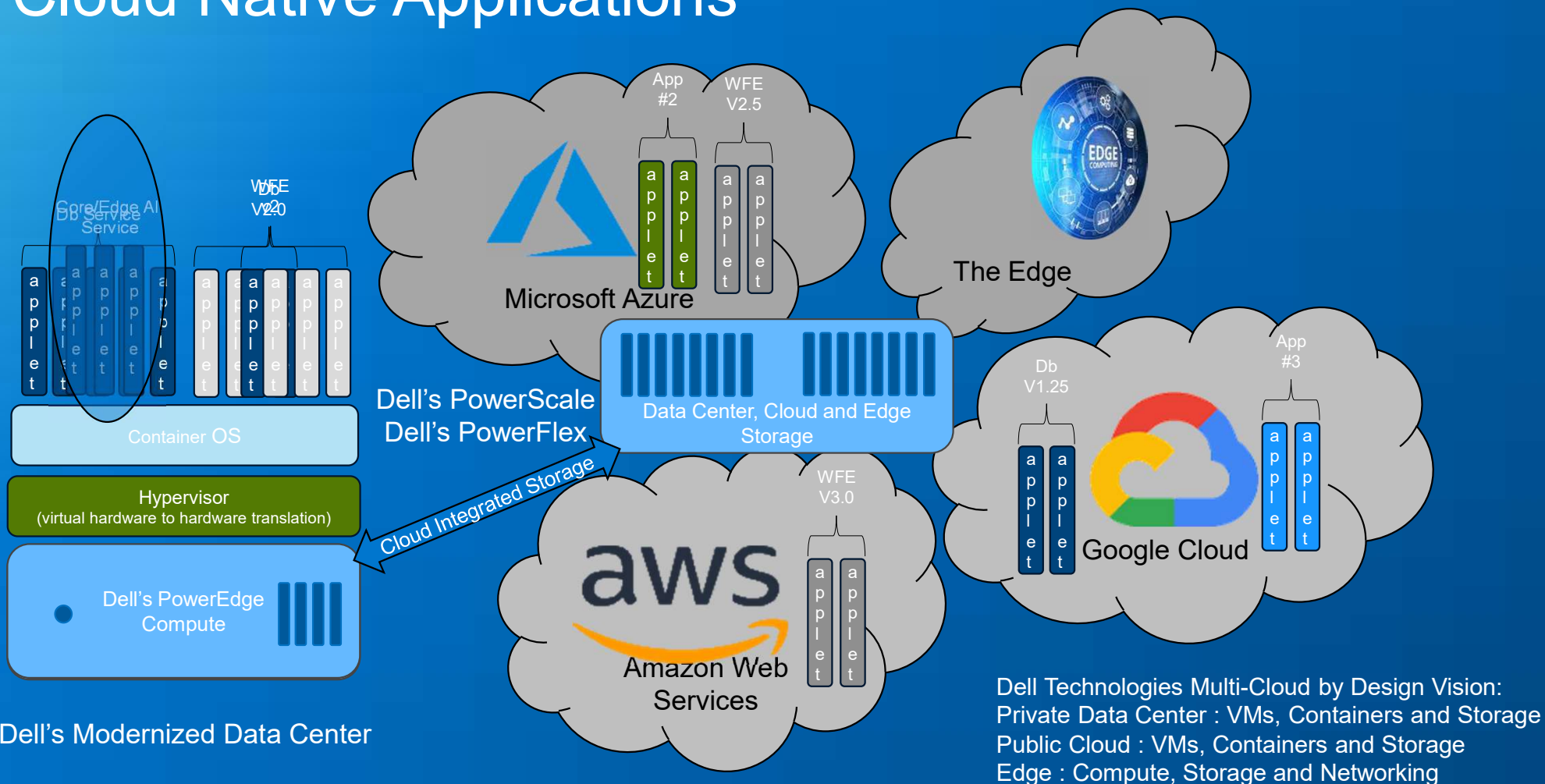
IoT
Telemetry

Information Systems – Physical to Virtual to Cloud

Modernization



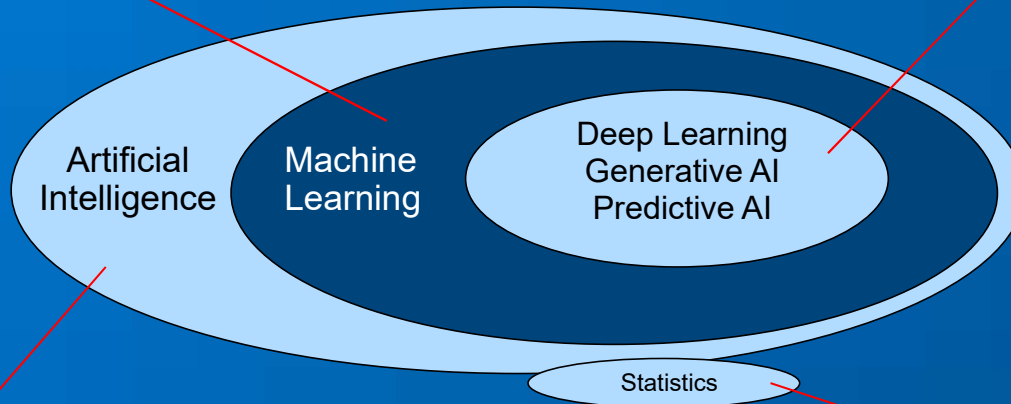
Cloud Native Applications



Artificial Intelligence

Discerning patterns in the data without the need for explicit rules. Learning to generalize and extend the pattern recognition.

*Best fit “formulas”
based on related data
and near related data
“self generated formulas”
with forecasting*



Techniques patterned after the way multiple layers of neurons work in our brain

*General “formulas”
Advanced self generated
Relationships based on
related data and near
related data*

Imitating how humans think, exhibiting the ability to generalize.

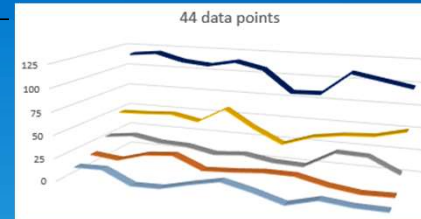
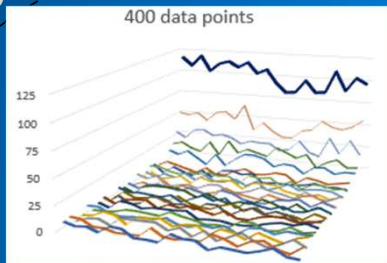
*Best fit “formulas”
with forecasting*

Descriptive Inferential

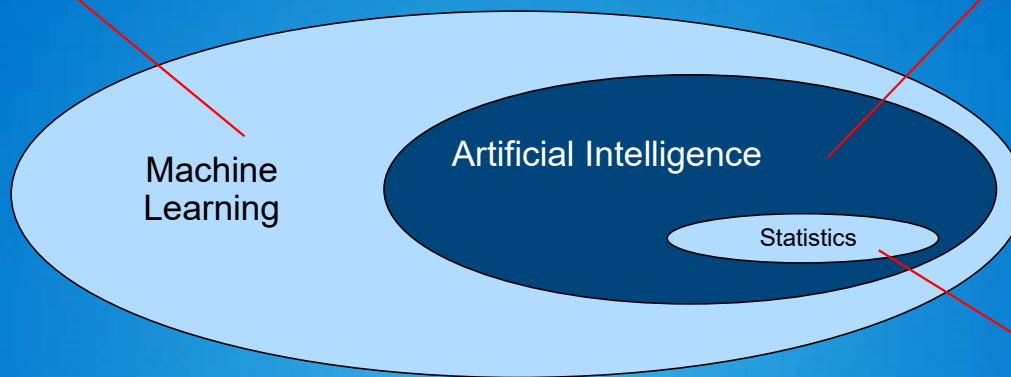
*Best fit line
with forecast*

Artificial Intelligence – Data & Compute requirements

Multiple Terabytes
Many Multi CPU Servers
Many GPUs



Multiple Gigabytes
Multi CPU
One+ GPU



Multiple Megabytes
Single CPU

Deep Learning
Generative AI
Predictive AI



Multiple Exabytes
Datacenter scale compute
Large quantity GPUs

Chat GPT – Generative AI

About 2nd / 3rd grade

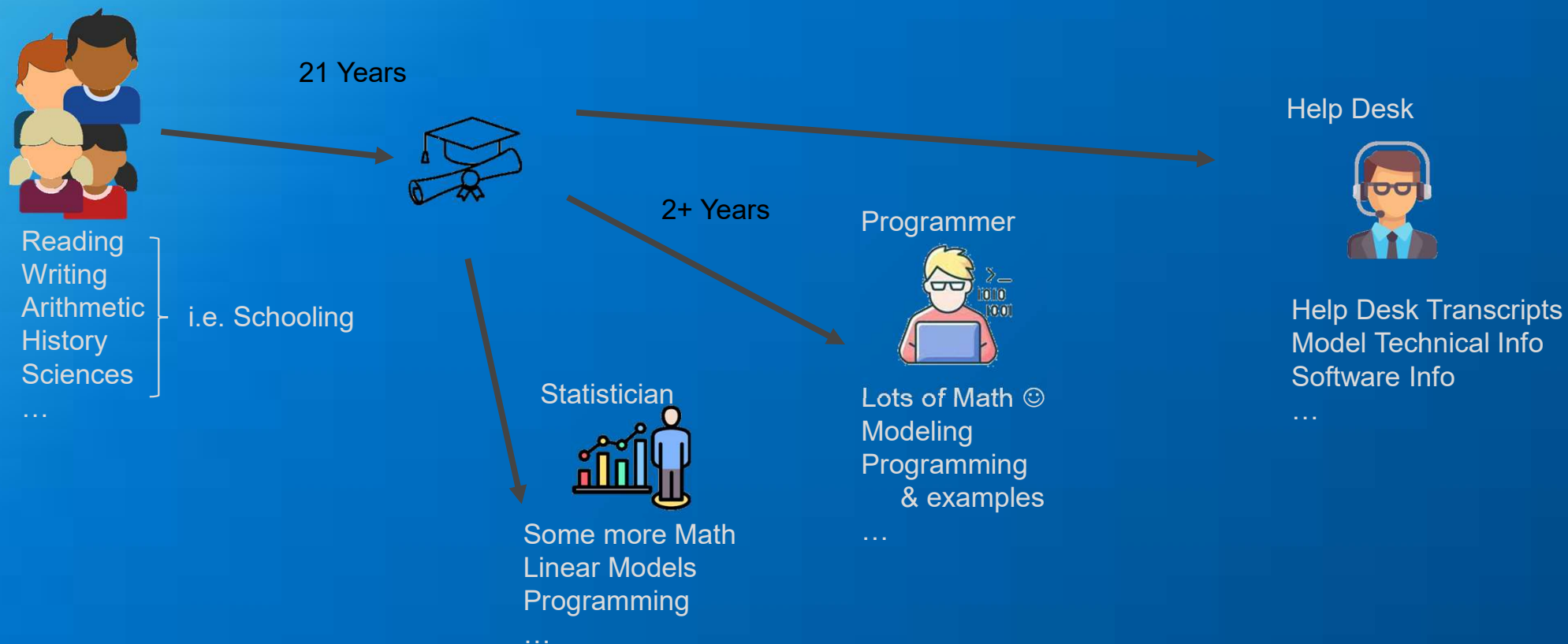
About 5th grade

| Focus areas | GPT 1 | GPT 2 | GPT 3 | GPT 3.5 | GPT 4 |
|-----------------------------|---------------|--------------------------|------------------|--|--|
| Launched | Jun'2019 | Feb'2020 | May'2021 | Jan'2023 | Nov'2023 |
| Parameters | 117 mm | 1.5 bn | 175 bn | 3 variants: 1.3 bn, 6 bn, 175 bn | 100 tn |
| Decoded layers | 12 | 48 | 96 | 12 | XXXXX |
| Hidden layer | 768 | 1600 | 12288 | XXXX | XXXXX |
| Content token size | 512 | 1024 | 2048 | 4,096 | 8,192 (8k) 32,768 (32k) |
| No. of English words | XXXX | 768 | 1,536-3,000 | 3,000- 8,000 | 24,000- 64,000 |
| Feature | Add text here | Generate human-like text | Improved answers | State of art with lesser toxic outputs | Highly accurate output with data variants such as image, text, speech and numerical data |
| Model type | Uni-model | Uni-model | Uni-model | Multi-model | Multi-model |

If creation of the “Algorithm” is the hard part.

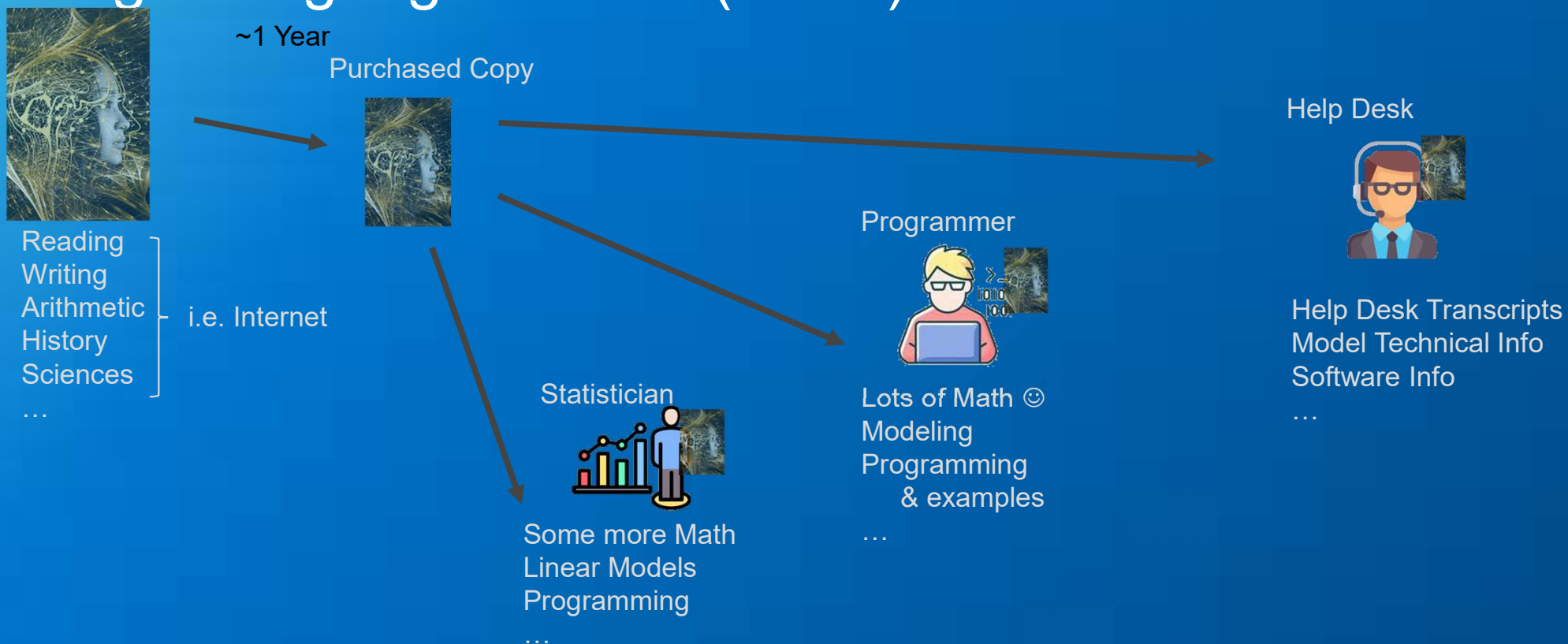
- Why re-invent the “basic” LLM ?

Human - Education



Basic schooling → Specialized training → Skilled employee

Large Language Models (LLMs)



LLM creation and initial training → Specialized training → Skilled employee assistant

Base Model

What is a
simple

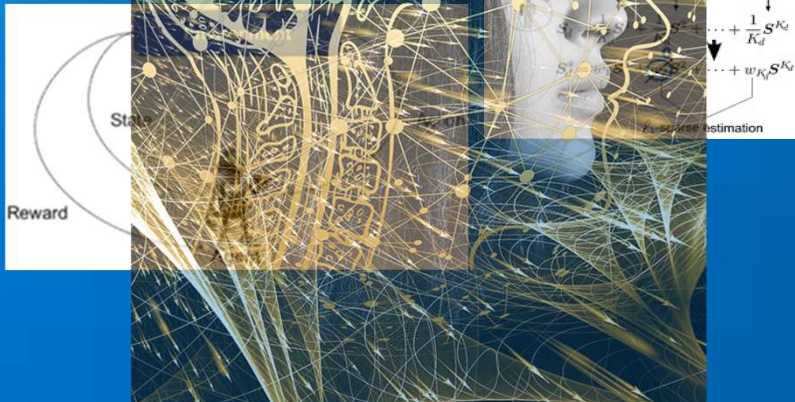
or complex

Dev

Training

– Deep

– Reinforcement



Purchased AI

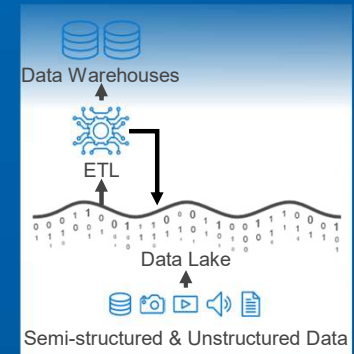
VS

Purchased AI



+

Customer data



=



Specialized Model

AI – The LLM example – “fictitious Dell help desk”

Integrating custom data into the model

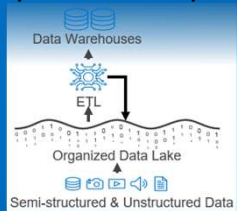
Basic Model (in the cloud)



Specialized Model (in the data center)

Refining the model

Dell's previous help desk logs



Dell's models and parts info

Continually 're-tuning' the model



New Help Desk Tickets

Prompt> AI I have a Dell 7740 laptop and need to get a replacement power supply.

AI> Laptops generally require between 40 watts and 75 watts of power.

Prompt> AI I have a Dell 7740 laptop and need to get a replacement power supply.

AI> The Dell 7740 laptop requires a 65 watt power supply, model number RDX-4545 is the recommended Dell part number.

Selecting the Large Language Model

Integrating the LLM into the Data Center

Selection Criteria

Performance / Quality

| Model | Provider | Open-Source | Speed | Quality | Params | FINE-TUNEABILITY |
|---------------------|------------|-------------|-------|---------|-----------|------------------|
| gpt-4 | OpenAI | No | ☆☆ | ★★★★ | - | No |
| gpt-3.5-turbo | OpenAI | No | ☆☆ | ★★★★ | 175B | No |
| gpt-3 | OpenAI | No | ☆☆ | ★★★★ | 175B | No |
| ada, babbage, curie | OpenAI | No | ☆☆ | ★★★★ | 350M - 7B | Yes |
| claude | Anthropic | Yes | ☆☆ | ★★★★ | 52B | No |
| claude-instant | Anthropic | Yes | ☆☆ | ★★★★ | 52B | No |
| command-xlarge | Cohere | No | ☆☆ | ★★★★ | 50B | Yes |
| command-medium | Cohere | No | ☆☆ | ★★★★ | 6B | Yes |
| BERT | Google | Yes | ☆☆ | ★★★★ | 345M | Yes |
| T5 | Google | Yes | ☆☆ | ★★★★ | 11B | Yes |
| PaLM | Google | Yes | ☆☆ | ★★★★ | 540B | Yes |
| LLaMA | Meta AI | Yes | ☆☆ | ★★★★ | 65B | Yes |
| CTRL | Salesforce | Yes | ☆☆ | ★★★★ | 1.6B | Yes |
| Dolly 2.0 | Databricks | Yes | ☆☆ | ★★★★ | 12B | Yes |

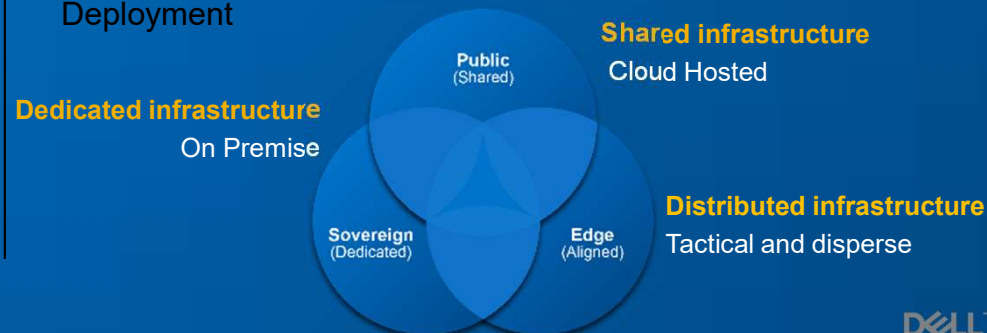
Customer Criteria / Output Requirement(s)

| | Reasoning | Knowledge | Conversation | Creativity | Personality | Storytelling | Empathy |
|------------|-----------|-----------|--------------|------------|-------------|--------------|---------|
| LaMDA | 0.84 | 0.69 | 1.0 | 0.53 | 0.85 | 0.58 | 0.94 |
| ChatGPT | 0.74 | 0.82 | 0.92 | 0.77 | 0.72 | 0.74 | 0.7 |
| GPT-3 | 0.87 | 0.86 | 0.72 | 0.75 | 0.66 | 0.72 | 0.49 |
| T5 | 0.7 | 0.6 | 0.19 | 0.51 | 0.1 | 0.36 | 0.04 |
| PaLM | 0.76 | 0.56 | 0.21 | 0.24 | 0.21 | 0.18 | 0.17 |
| BLOOM | 0.48 | 0.35 | 0.29 | 0.36 | 0.15 | 0.18 | 0.24 |
| Turing-NLG | 0.56 | 0.42 | 0.29 | 0.07 | 0.16 | 0.07 | 0.0 |

Compliance, Governance and Security

| Grading Foundation Model Providers' Compliance ¹ | | | | | | | | | | |
|--|---------|----------------|---------------------|-----------|---------|---------|-----------|------------|----------|----------|
| Source: Stanford Research on Foundation Models (SRFM), Institute for Human-Centered Artificial Intelligence (IHAI) | | | | | | | | | | |
| | OpenAI | cohere | stability.ai | ANTHROPIC | Google | Meta | AI21 Labs | Luminous | GPT-NeoX | |
| Draft AI Act Requirements | GPT-4 | Cohere Command | Stable Diffusion v2 | Claude | PaLM 2 | BLOOM | LLaMA | Jurassic-2 | Luminous | GPT-NeoX |
| Data sources | ●●●○ | ●●●● | ●●●● | ○○○○ | ●●●○ | ●●●● | ●●●● | ○○○○ | ○○○○ | ●●●○ |
| Data governance | ●●●○ | ●●●● | ●●●○ | ○○○○ | ●●●○ | ●●●● | ●●●○ | ○○○○ | ○○○○ | ●●●○ |
| Copyrighted data | ○○○○ | ○○○○ | ○○○○ | ○○○○ | ○○○○ | ●●●● | ○○○○ | ○○○○ | ○○○○ | ●●●○ |
| Compute | ○○○○ | ○○○○ | ●●●● | ○○○○ | ○○○○ | ●●●● | ○○○○ | ○○○○ | ○○○○ | ●●●○ |
| Energy | ○○○○ | ○○○○ | ●●●● | ○○○○ | ○○○○ | ●●●● | ○○○○ | ○○○○ | ○○○○ | ●●●○ |
| Capabilities & limitations | ●●●○ | ●●●● | ●●●○ | ○○○○ | ●●●○ | ●●●● | ●●●○ | ○○○○ | ○○○○ | ●●●○ |
| Risks & mitigations | ●●●○ | ●●●○ | ●●●○ | ○○○○ | ●●●○ | ●●●○ | ●●●○ | ○○○○ | ○○○○ | ●●●○ |
| Evaluations | ●●●○ | ●●●○ | ○○○○ | ○○○○ | ●●●○ | ●●●○ | ●●●○ | ○○○○ | ○○○○ | ●●●○ |
| Testing | ●●●○ | ●●●○ | ○○○○ | ○○○○ | ●●●○ | ○○○○ | ○○○○ | ○○○○ | ○○○○ | ○○○○ |
| Machine-generated content | ●●●○ | ○○○○ | ○○○○ | ●●●○ | ●●●○ | ●●●○ | ●●●○ | ●●●○ | ○○○○ | ○○○○ |
| Member states | ●●●○ | ○○○○ | ○○○○ | ●●●○ | ●●●○ | ○○○○ | ○○○○ | ○○○○ | ○○○○ | ○○○○ |
| Downstream documentation | ●●●○ | ○○○○ | ○○○○ | ○○○○ | ●●●○ | ○○○○ | ○○○○ | ○○○○ | ○○○○ | ○○○○ |
| Totals | 25 / 48 | 23 / 48 | 22 / 48 | 7 / 48 | 27 / 48 | 36 / 48 | 21 / 48 | 8 / 48 | 5 / 48 | 29 / 48 |

Deployment



Running AI – Partner Opportunity

Integrating the LLM into the Data Center

Purchase the desired model



Chatsonic

Hugging Face

Gemini



Testing Workstations

1x CPU
256GB RAM
GPU

Running the basic Model (in the data center)



1,000 queries / min / server

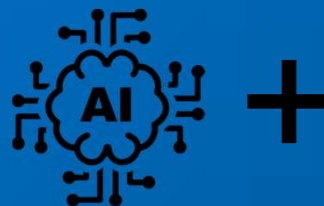
Customer requirement: 20,000 queries / min

20 Servers

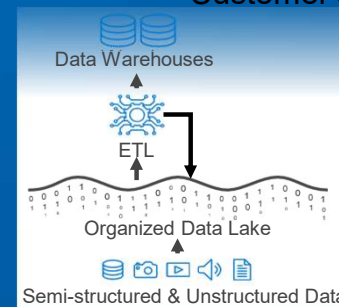
2x CPU
1024GB RAM
2x A100 GPU

Specializing the Model

Refining the model



Customer's data



Data Classification Services

PowerScale

500+ TB
+ Cloud Archive

1TB data / hr / server

Running the 'customized' model(s)



925 queries / min / server

+ 1+TB data / hr / server

Edge Servers



AI Logistics: Large Language Model or Lots of Small Language Models

Integrating the LLM into the Data Center

<https://www.scientificamerican.com/article/when-it-comes-to-ai-models-bigger-isnt-always-better/>

<https://www.boldbusiness.com/digital/what-kind-ai-do-you-want-in-your-future/>

As models have gotten bigger, they've also become more unwieldy, energy-hungry and difficult to run and build. Smaller models and datasets could help solve this issue.

A chatbot inside a smart fridge might need to understand common food terms and compose lists but not need to write code or perform complex calculations.

Some experts suggest that parameters of Big AI models could be reduced by 60% without losing significant performance. Not only does this favor Small AI versus Big AI based on complexity and power. But it also means Small AI would be less expensive to develop and use when compared to LLMs. This explains why some expect Small AI to have an advantage in the battle to dominate AI in the years to come.

PRECISION PORTFOLIO

POWER AS BIG AS YOUR IDEAS

Intelligent Performance | Immersive User Experience | Mission Critical Reliability



Mobiles 3000, 5000, 7000 Series



Towers 7000, 5000, 3000 Series

Dell has been a leader in workstation technology for over 25 years. Driven by customer insights and experiences, we offer intelligent performance and mission critical reliability for your key applications. Our groundbreaking innovations are a direct result of working with our customers to understand their pain points and how we can deliver the best solutions.

PRECISION TENENTS

- **Intelligent Performance**

- Dell Precision has the most powerful workstations on Earth
 - Realize high-end performance with the latest Intel Core and Xeon processors and professional graphics from AMD and NVIDIA
 - Optimize application performance with Optimizer for Precision
 - Keep applications running smoothly with extensive, high-performance memory
 - Experience super-fast data transfers with Optane DC Persistent memory/storage

- **Immersive User Experience**

- Providing what the customers desire
 - Tackle immerging technologies with Ready for VR and AI options
 - Get amazing picture quality with 4K, HDR and InfinityEdge displays
 - Experience true color with Dell Premium Color Displays that feature 100% Adobe color gamut
 - Leverage award-winning designs that provide amazing acoustics, heat reducing thermals and Hot-plug capabilities

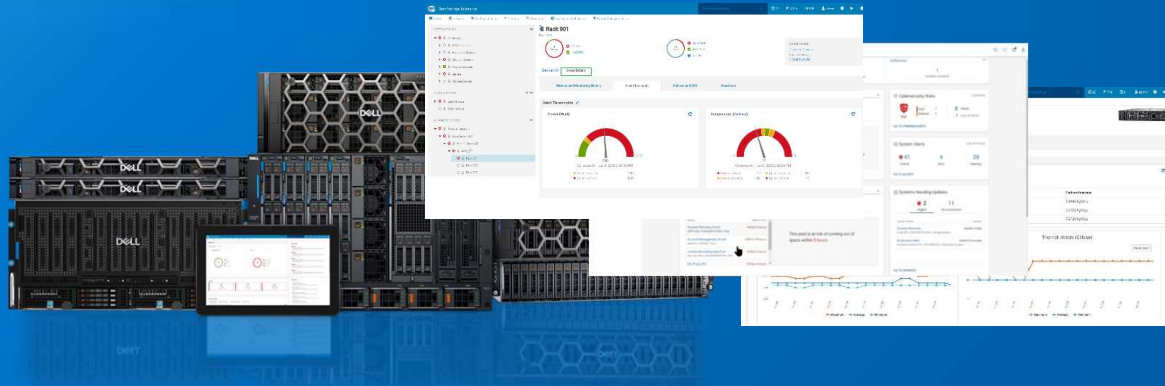


- **Mission Critical Reliability**

- Reliable performance and manageability
 - Rigorous tested to earn ISV certifications
 - Reduce memory errors with ECC Memory & RMT Pro
 - Ensure data availability with RAID capable systems
 - Manage systems smoothly with Dell Client Command Suite

PowerEdge 16G Server Portfolio

Purpose-built | Intelligent | Cyber Resilient | Sustainable



Purpose-built

AI, for the Edge and Scale
Anywhere



Intelligent

Accomplish more with
Automation & Improve
Operational Efficiencies



Cyber Resilient

Zero Trust &
Verifiable Confidence



Sustainable

Maximize power
efficient performance

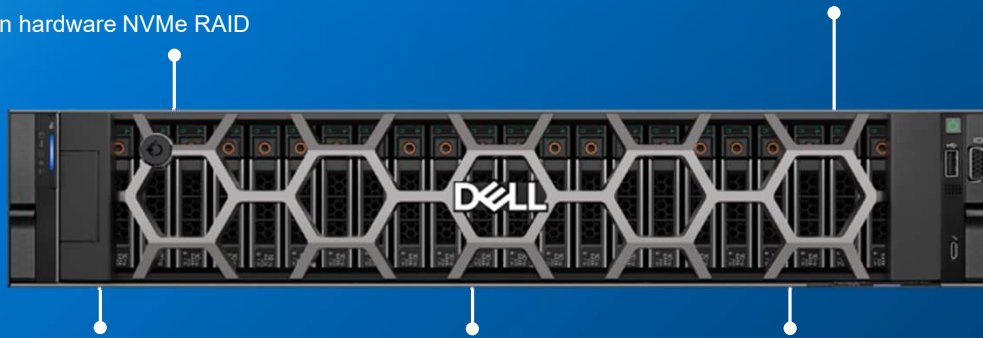
PowerEdge R760

Support for up to 28 Drives

- 24 NVMe direct-attached drives
- Gen5 NVMe* & SAS4 support
- Rear Hot-Plug BOSS-N1 (2 x M.2 NVMe) for boot
- Next-gen hardware NVMe RAID

Support for high-speed and memory capacity

- Up to 32 DDR5 DIMMs
- Up to 4800 MT/s (1DPC) or 4400 MT/s (2DPC)



2 Socket Capable

- Up to two 4th Generation Intel® Xeon® Scalable processors with up to 56 cores per processor
- High-bandwidth memory CPUs

Support for GPU

- 2 x 300W (DW) or 6 x 75W (SW)

Flexible I/O

- Up to 8 x PCIe Slots
- Optional 2 x 1GbE LOM + 1 x OCP 3.0 slot

- Smart Cooling
- Direct Liquid Cooling
- Designed for growing scale-out solutions and air-cooled support
- Industry-leading manageability and security

MAINSTREAM

Data Center (private cloud)

TARGET WORKLOADS



High Performance Scale-Out Databases

Architect for growth and scalability using high core count CPUs with the latest DDR5 memory technology, high-bandwidth networking and Gen5 based NVMe storage.



Next Level of Virtualization

8TB of memory combined with 112 cores of the latest generation Intel CPU enables high-density virtualization in a 2S server..



AI Training

With the latest Gen5 PCIe enabled NVIDIA GPUs and NVMe drives designed to offer the highest throughput on the largest datasets, customers benefit from reduced training cycles and faster AI deployments.

PowerEdge XE9680 / XE9640

Industry Technology



8-way H100 SXM or
8-way A100 SXM



Sapphire
Rapids



PCIe
Gen5



DDR5



NVME
Gen5



Dell's first 8-way SXM GPU server that provides
leading AI performance in a dense air-cooled design

Purpose-built for the most
demanding AI – ML/DL
training, modeling and
simulation workloads

6U air-cooled design chassis
supports the highest wattage
next-gen technologies in up
to 35C ambient

Massive flexibility with 8-
way H100 SXM or A100
SXM, 10 Gen5 x16 PCIe
slots, and up to 16 drives

AI / ML & HPC

Data Center (private cloud)

TARGET WORKLOADS



High Performance Computing

Architect for growth and scalability
using high core count, 8x CPU
Capable, CPUs with the latest DDR5
memory technology, high-bandwidth
networking and Gen5 based NVMe
storage.

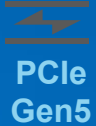


Accelerated AI Training

With the latest Gen5 PCIe enabled
NVIDIA GPUs and NVMe drives
designed to offer the highest throughput
on the largest datasets, customers
benefit from reduced training cycles
and faster AI deployments.

Dell Technologies – 17th Generation in the Data Center (AI)

Next Generation AI Capability



PCIe
Gen5



DDR5

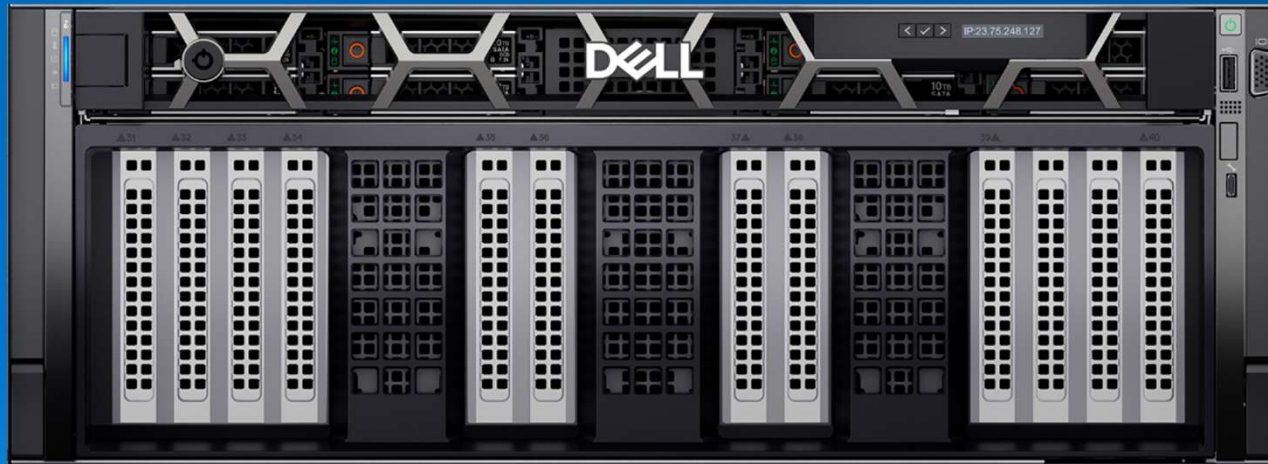


NVME
Gen5

PowerEdge XE9680L

*Liquid
cooling
2.5x energy
efficiency*

*Highest
industry
throughput
(12 PCIe)*



*NVIDIA B200
GPU*

*Highest
density
(16GPU / 4U)*



16-way H100 SXM or
8-way B200 SXM



NVLink

Dell Technologies

Dell Technologies – Validated Designs for AI

Dell Technologies Validated Designs

Validated Designs for Generative AI

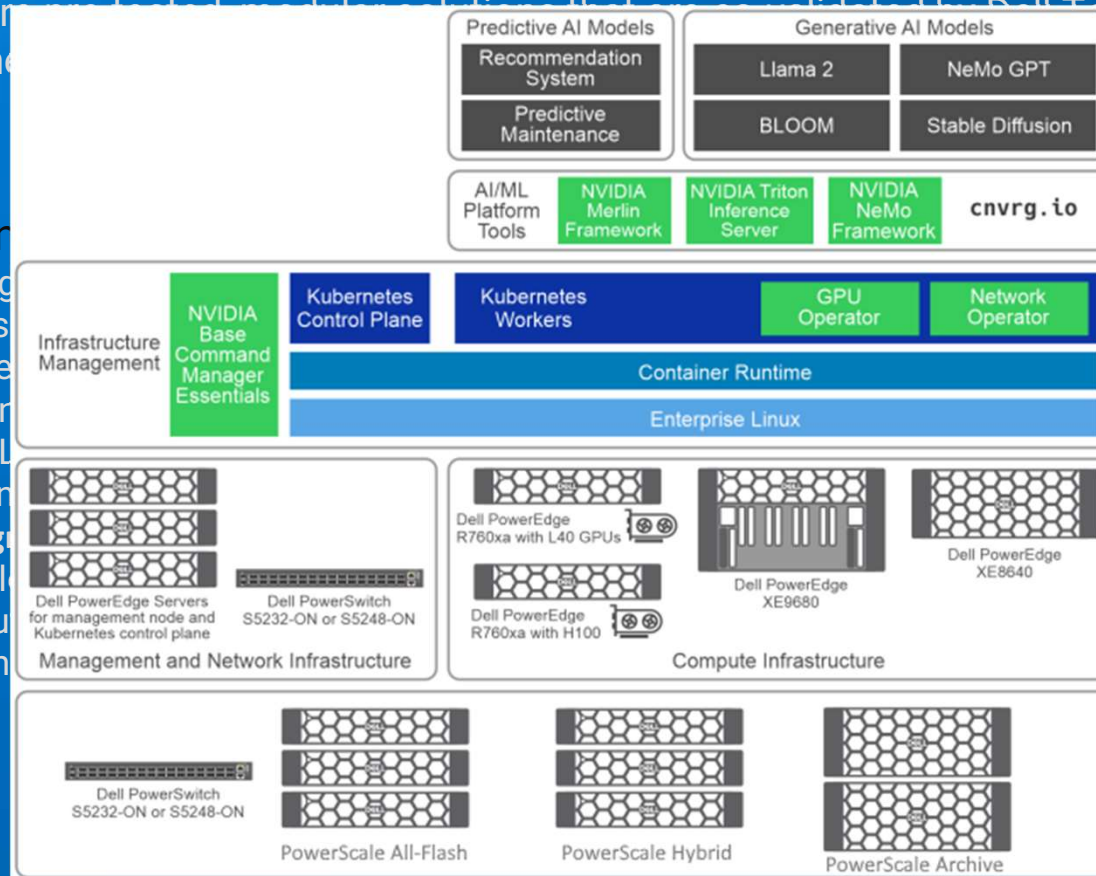
Dell Validated Designs are pre-tested, pre-validated designs that have been validated by Dell Technologies experts and partners. They streamline the deployment of AI workloads.

Validated Design for Inference

Inference involves utilizing pre-trained models to make predictions, make decisions based on input data. This process is essential for the implementation of GenAI, enabling the generation and responses. Dell Validated Designs help deliver results faster and more efficiently.

Generative AI Validated Design

Addresses inference challenges such as responsiveness, and computational efficiency to transform enterprise data into valuable insights.



Dell Technologies experts and partners. They streamline the deployment of AI workloads.

Model Customization and Tuning

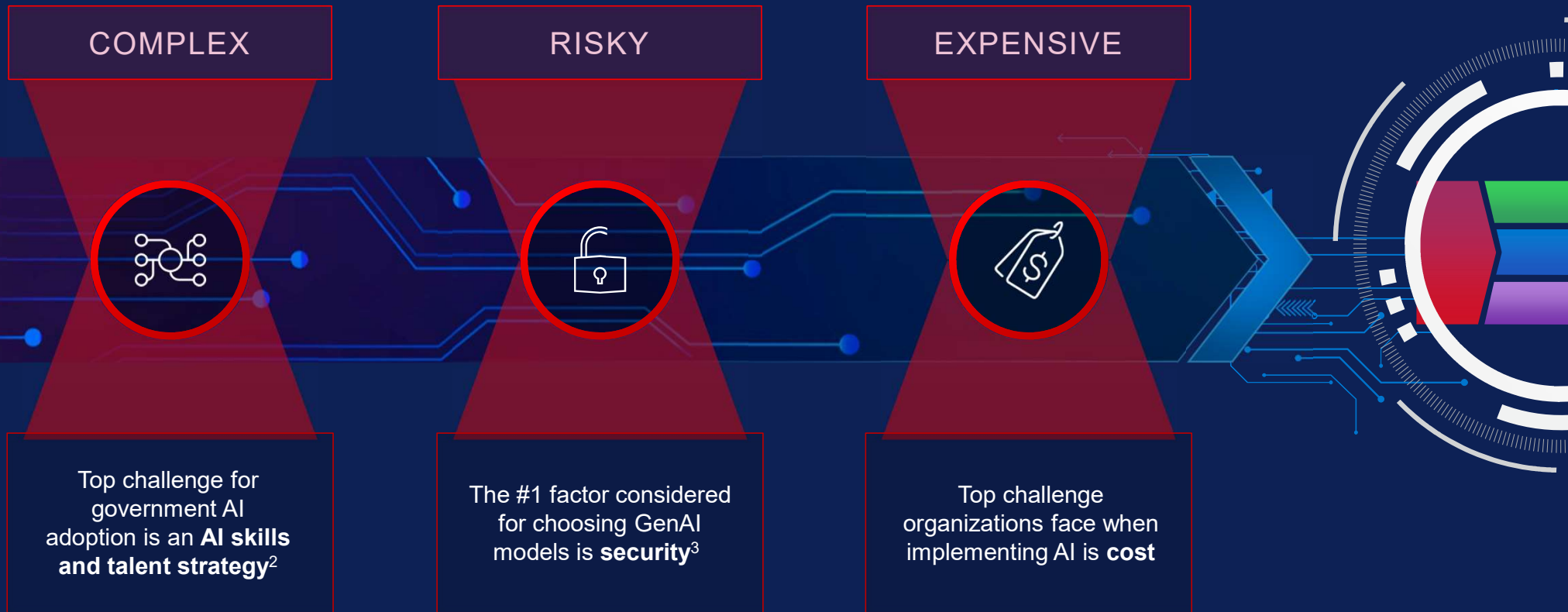
Businesses can add vertical into a pre-existing large model to perform deeper inference on pertinent to the business.

Model Customization and Tuning

With proven guidance on re-creating your use cases and optimization techniques such as quantization.

AI Headwinds Slowing Down AI Adoption

76% of IT and government leaders believe GenAI will deliver transformative value for their organization¹



¹ Dell Technologies Innovation Catalyst Study, February 2024

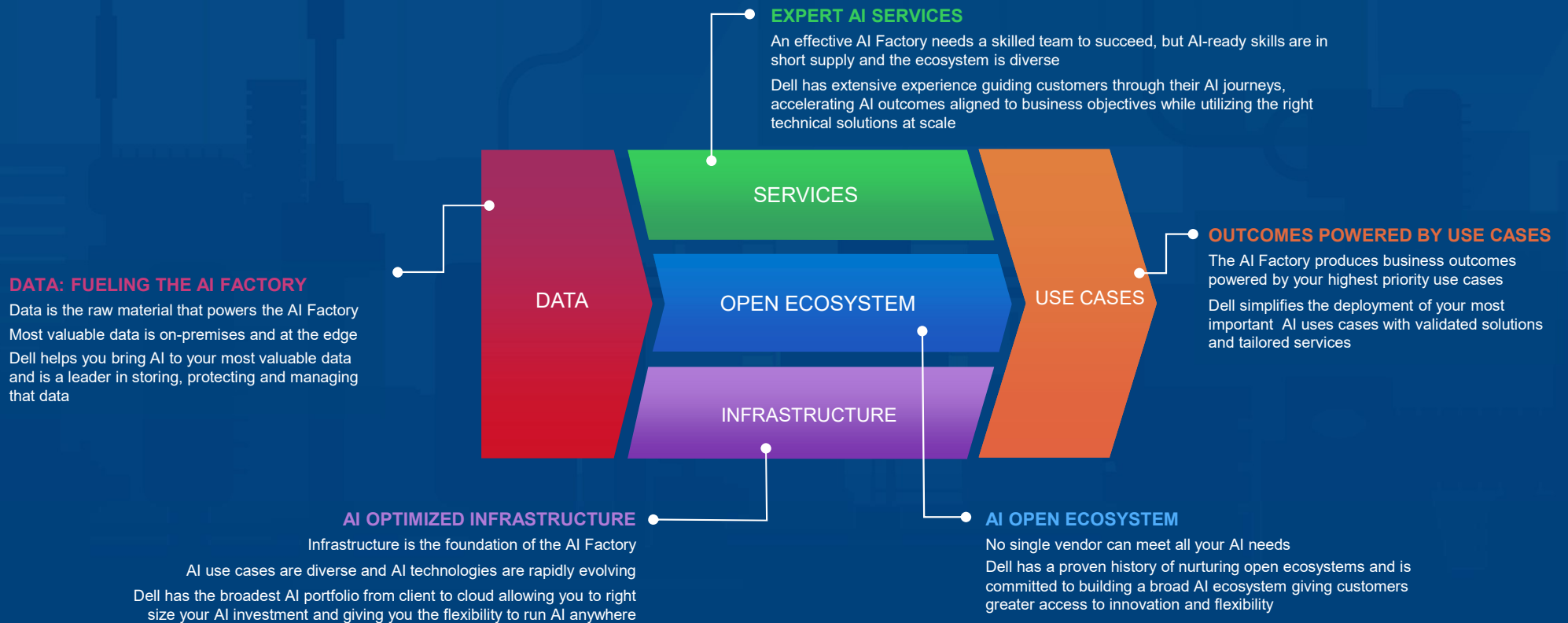
² IDC Report: From Breakthrough Innovation to Impact: Monetizing the AI Moment, Philip Carter, Directions 2024

³ Dell Technologies Generative AI Pulse Survey, August and September 2023, www.dell.com/GenAIPulse

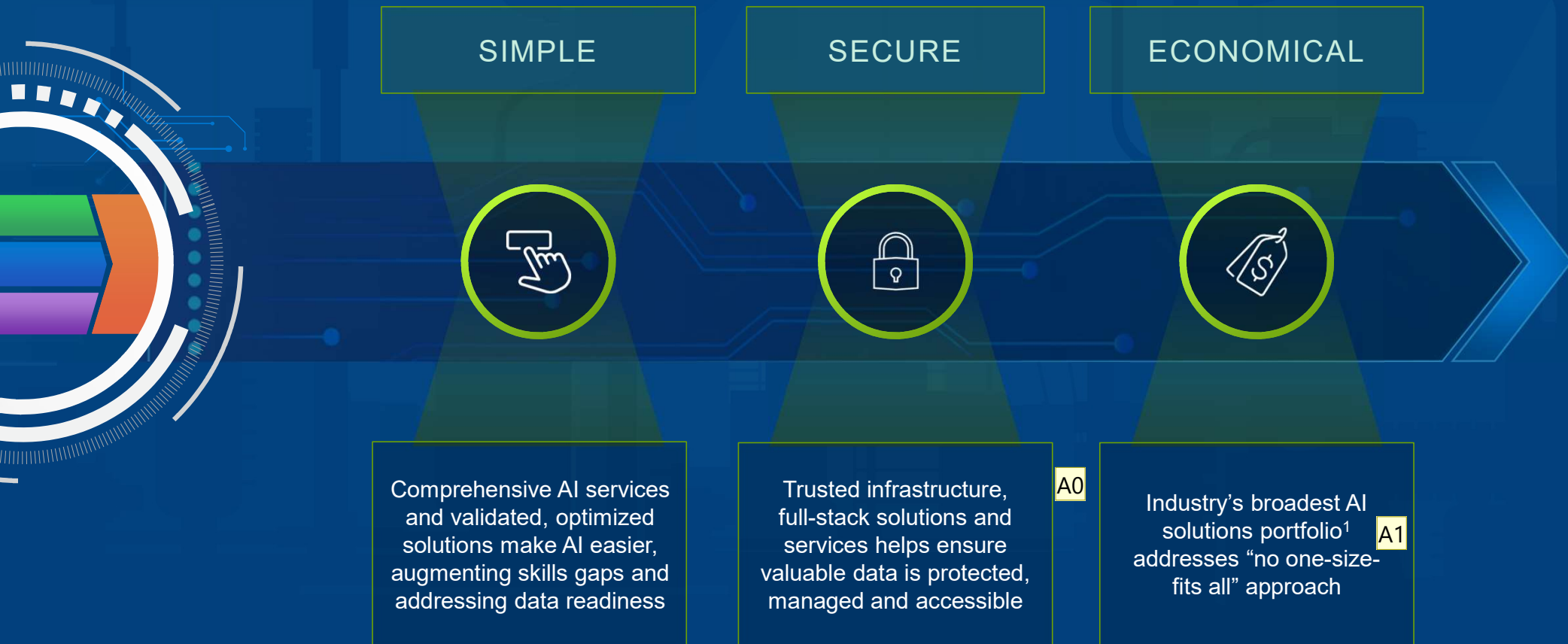
⁴ IDC, Global AI Buyer Sentiment, Adoption and Business Value Survey, October 2023.

The Dell AI Factory

Dell's approach to help customers embrace and implement AI



Dell AI Factory Accelerates AI Adoption



¹ Based on Dell analysis, August 2023. Dell Technologies offers hardware solutions engineered to support AI workloads from Workstations PCs (mobile and fixed) to Servers for High-performance Computing, Data Storage, Cloud Native Software-Defined Infrastructure

Slide 25

A0 [Mention was removed] - revised to "helps ensure" to avoid putting forth a guarantee
Author, 2024-05-30T17:20:58.200

A0 0 thanks. Adjusted the colors
Author, 2024-06-03T20:42:17.726

A1 [Mention was removed] - please provide support for this claim
Author, 2024-05-30T17:22:12.716

A1 0 Attribution added!
Author, 2024-06-03T20:43:44.051

A modern data strategy brings AI to data

AI Lifecycle



Data Management
& Preparation



Training



Model Customization
and Tuning



Inferencing



Discover, process data across
the organization with modern
scale-out lakehouse strategies



Reduce data learning curve
with expertise and education



Deploy managed GenAI
services to simplify
operations



Get ahead with optimized
data management and prep
for fastest ROI



Bring AI models to customer
data and customize based
on use cases

Accelerate GenAI outcomes and ensure long-term success with help at every stage



Establish strategy

Outcome

Consensus on Roadmap



Prepare data

Outcome

Validated data for model



GenAI Platform

Outcome

Deployed GenAI platform



Deploy & test model

Outcome

Tuned Model



Operate & Scale

Outcome

Simplified GenAI operations

Accelerator Workshop
ProConsult Advisory Services
Advisory Services for GenAI Process Optimization
Workforce Persona Services

Advisory Services for GenAI Data Security
Implementation Services for GenAI Data Preparation
Services for Dell Data Lakehouse

Deployment Services
Platform Implementation Services
Red Hat OpenShift AI Implementation Services
Platform Implementation Services for Digital Assistants

NEW

NEW

NEW

NEW

Use Case Implementation Services
Use Case Implementation Services for Digital Assistants
Accelerator Services for RAG + on Precision workstations
Accelerator Services for Dell Enterprise Hub
Services for Microsoft Copilot

Residency Services
Managed Services for GenAI
Training and Certification
Support Services
Adoption & Change Management

Simplify your AI journey with the Dell AI Factory

Services

DELL Technologies

Dell's AI Advisory Approach

Inform the journey towards data-driven and value-focused use of AI capabilities

Assess Current State (As-Is)

- Conduct Mission and technical interviews to identify Mission objectives and requirements, relevant technologies and systems, and data sources and capabilities
- Collect previously defined use cases, current AI capabilities, and other supporting documentation to inform requirements
- Assess AI Readiness

Define Future State (To-Be)

- Customize and refine use case prioritization framework and criteria weights
- Prioritize AI Mission use cases based on Mission value and feasibility
- Define AI archetypes, identify repeating use case patterns, and organize use cases accordingly

Plan Transition (Roadmap)

- Finalized AI and Data Management guiding principles and logical architecture
- Create and validate transformation roadmap based on current state gaps
- Develop recommendations and next steps and present to executive stakeholders

Enact Use Case (Execute)

- Select and analyze data sources for top use case
- Deploy pre-trained model
- Conduct unsupervised fine-tuning and provide recommendations for retrieval augmented generation
- Conduct functional demo to prove concept



Project Kickoff
(presentation & project plan)



Interview Schedule
(roles & stakeholders)



AI Readiness Assessment
(6-dimensional view)



Prioritization Framework
(Mission value & feasibility)



Use Case Priorities
(Mission value & feasibility)



AI Archetypes and Patterns
(shared value through reusability)



AI Data Management
(guiding principles & arch)



Transformation Roadmap
(activities & dependencies)



Recommendations
(executive summary)



Deploy Model
(pre-trained)



Tune Model
(fine-tuning, RAG)



Functional Demo
(proof of concept)

AI use cases and tech continue to expand and evolve – there is no one-size-fits-all approach



Rapid evolution
of models, AI
tools and AI-led
use-cases across
all industries



Many
approaches for
creating expert
systems based
on private data



AI workloads
running on-prem,
in the cloud, and
at the edge



On-prem AI
workloads will be
accelerated by AI
servers and AI-
ready PCs using
a diverse range
of silicon

Gen AI Use Cases & Services Step by Step

Accelerate customer Gen AI adoption with a comprehensive portfolio

Gen AI Use Cases

Generative AI Model Implementation
Example Path to Production

| Step | Step 1: Strategy | Step 2: Implement | Step 3: Adopt | Step 4: Scale |
|----------------------|----------------------|----------------------|----------------------|----------------------|
| Project Overview | Project Overview | Project Overview | Project Overview | Project Overview |
| Project Manager | Project Manager | Project Manager | Project Manager | Project Manager |
| Project Lead | Project Lead | Project Lead | Project Lead | Project Lead |
| Project Sponsor | Project Sponsor | Project Sponsor | Project Sponsor | Project Sponsor |
| Project Stakeholders | Project Stakeholders | Project Stakeholders | Project Stakeholders | Project Stakeholders |
| Project Objectives | Project Objectives | Project Objectives | Project Objectives | Project Objectives |
| Project Deliverables | Project Deliverables | Project Deliverables | Project Deliverables | Project Deliverables |
| Project Risks | Project Risks | Project Risks | Project Risks | Project Risks |
| Project Status | Project Status | Project Status | Project Status | Project Status |

Step #0: Engage your **Dell Services** sales counterpart to initiate a fee-waived Workshop

Fee-waived Accelerator Workshops



Financial Services

- Financial analytics
- High frequency trading
- Fraud detection



Healthcare & Life Sciences

- Drug design
- Genomics
- Bio informatics



Government & Academic Research

- Particle physics
- Life sciences
- Humanities
- Climate modeling



Government Classified

- Homeland security
- Defense
- Nuclear safety



Manufacturing

- Structural analysis
- Fluid dynamics
- Packaging
- Impact modeling



Geosciences Oil & Gas

- Seismic
- Reservoir modeling

Step #1 Strategy

Create customer Gen AI transformation roadmap (As-Is / To Be)

Step #2 Implement

Validated data for Implementation and enable the Gen AI environment

Step #3 Adopt

Gen AI use case implementation

Step #4 Scale

Operationalized use case

Services Step by Step

Accelerator workshops are the first step

What is an Accelerator Workshop?

Interactive, strategic session with business and IT leadership

Align cross-organizational priorities and gain consensus

Deliver actionable roadmap with recommendations to achieve desired results



Dell Technologies Differentiators

As-Is/ To-Be methodology rapidly assess environment and implements plan

IT expertise to architect solutions and operationalize technology

Completed over 10,000 transformation projects and 1,000+ strategic workshops

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