Digital Cities

The Dell Technologies Accelerator Platform

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Design Goals

Software-defined

Future-oriented

Adapt common standard

Interoperable

Modular

Scalable

Secure

Analytics-driven

Flexible

Integrate comprehensive portfolio to build the DiCi Stack
Leverage best in class global/local ecosystem partnerships to deliver complete solutions

Adopt a platform based approach to the digital city roadmap
Adopt an over encompassing technology strategy & not solving for specific siloed use cases
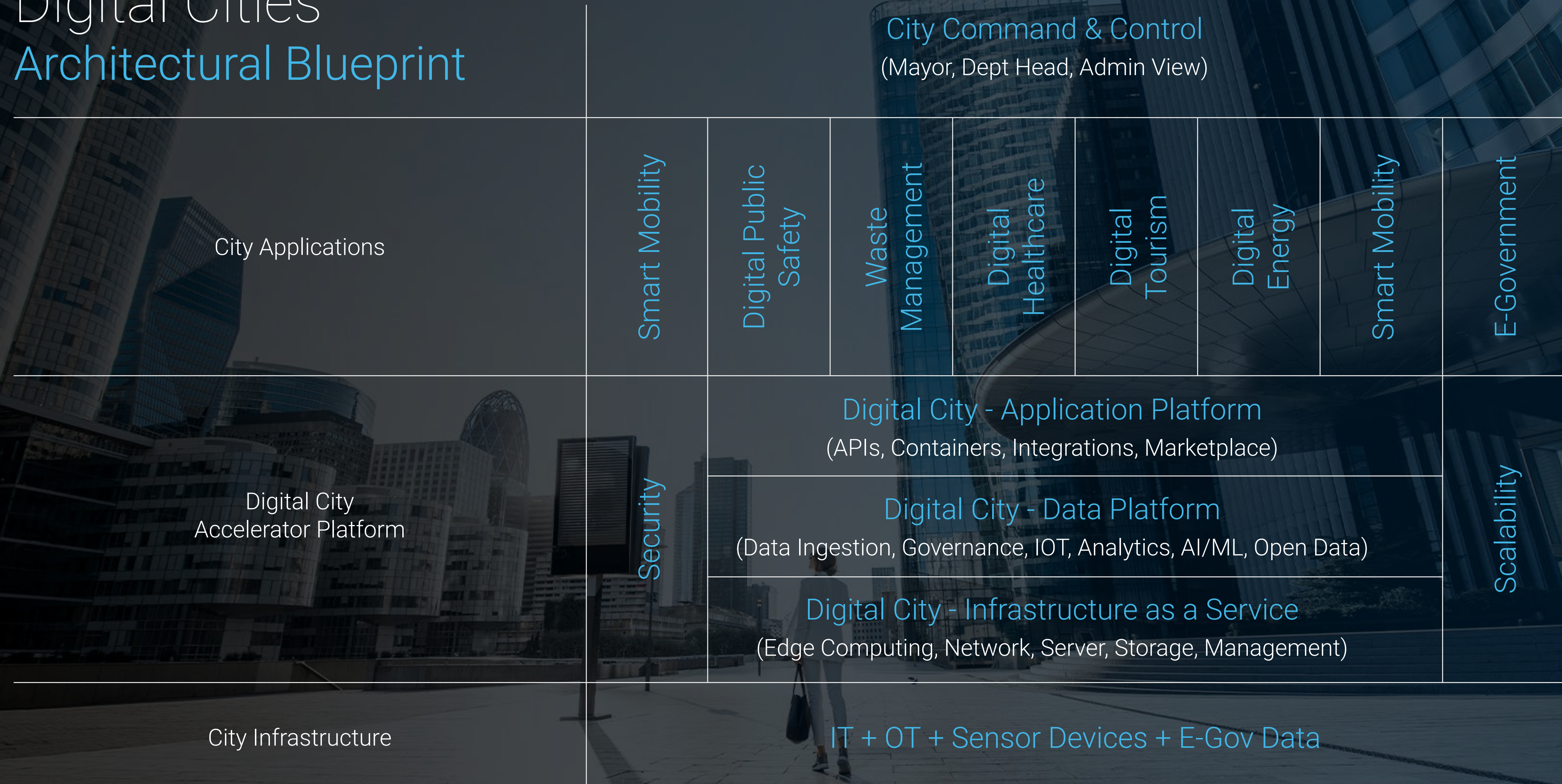
Lego approach to build a strong foundation to scale to System of Systems
Offer flexibility to Start small but build a foundation to scale

Software defined - Open, Agile, Secure, Data analytics driven
Providing flexibility, scalability and future proofing

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Digital Cities
Architectural Blueprint

City Command & Control
(Mayor, Dept Head, Admin View)

City Applications

	Smart Mobility	Digital Public Safety	Waste Management	Digital Healthcare	Digital Tourism	Digital Energy	Smart Mobility	E-Government

Digital City Accelerator Platform

Security

Digital City - Application Platform
(APIs, Containers, Integrations, Marketplace)

Digital City - Data Platform
(Data Ingestion, Governance, IOT, Analytics, AI/ML, Open Data)

Digital City - Infrastructure as a Service
(Edge Computing, Network, Server, Storage, Management)

Scalability

City Infrastructure

IT + OT + Sensor Devices + E-Gov Data

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Data Platform Goals

Reliable and Scalable Data Storage Platform
Ability to store both Structured & Unstructured data with Security, Data Protection & High Availability

Data Ingestion Framework to get data into the platform from various sources
Ability to ingest both batch and real time data from all city sources and normalize ingested data

Data Governance Framework and Open Data
Framework to defined policy based access to data and data sharing through open data portal

Data processing through Analytics/ ML / AI
Ability to process the data to apply ML/ AI on the ingested data sets to provide actionable insights

Application Platform Goals

Cloud native Runtime platform to deploy application services
Micro-services and Container based orchestration platform for applications

Micro-Services API Management
Secure access to APIs through role based access control and rate based monetization

Application Integration Platform
Ability to seamlessly integrate cross application data through built-in connectors and workflows

Data / API Marketplace and App store for co-creation
Marketplace to share data and APIs for community access and app store for city applications

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Driving value to key stakeholderstakeholders

Customers

⊞ Modular
Right size your DiCi investments to immediate needs and capabilities

⬈ Scalable
Adapt to your evolving needs and use cases

◉ Software Defined Future Proof
Adaptable to new/emerging technologies

🌐 Open & Agile
Drive efficient co-creation with the local ecosystem & other vendors

Partners

🕐 Faster time to Deployment

☑ Aligned with the latest and best in class technologies – all under one roof

🔓 Open Architecture and adaptable

Leverage Dell Technologies' best in class global GTM and Support capabilities

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