# **Enterprise Architecture Havering Council**

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Maximising return on IT investments



## Introduction



This document sets out a high level roadmap to best deliver on the internal and external drivers facing Havering council.



Fundamentally this roadmap should deliver a cost effective, robust and appropriately flexible platform and enabler for the council to deliver to its organisational goals.



The document recaps the drivers for change, sets out a high level target state architecture that enables the organisation to address these drivers and a high level roadmap to deliver toward this target state.



## Context

The Covid-19 crisis has created opportunities for, a re-examination of business priorities and the ensuing IT roadmaps (architecture) for our council.

"Enterprise Architecture" is, fundamentally, about aligning IT delivery with the strategic aims of an organisation.

Information Technology delivers no benefits in its own right, it can however be a significant enabler of business change and transformation.

The following diagram is the output of workshops with senior council stakeholders which highlights key drivers and investment objectives that drive business changes. These in turn can be underpinned by IT enablers.



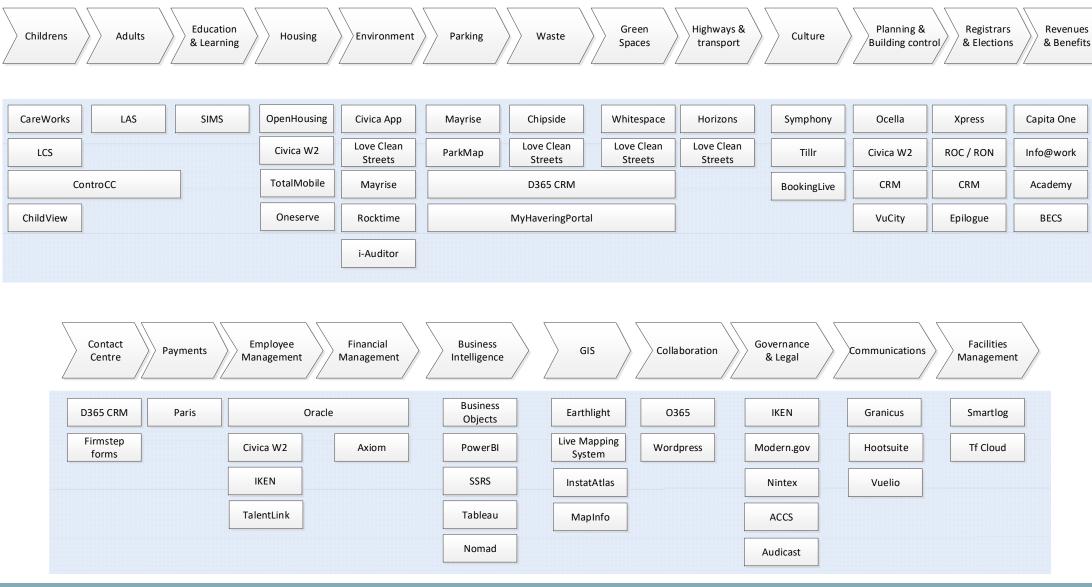
## **As-is architecture**

## This section includes:

- Application landscape
- Technology landscape

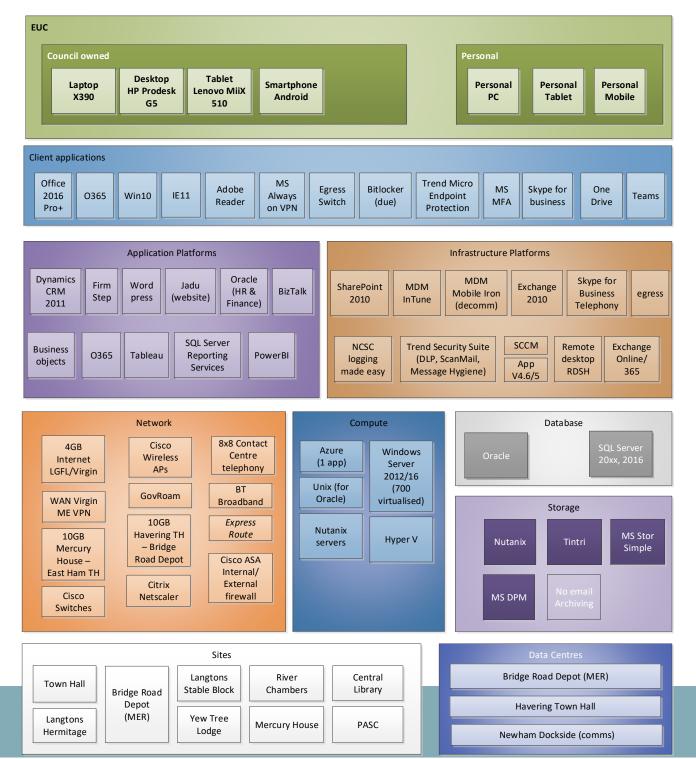


# **Application landscape**





# Technology landscape



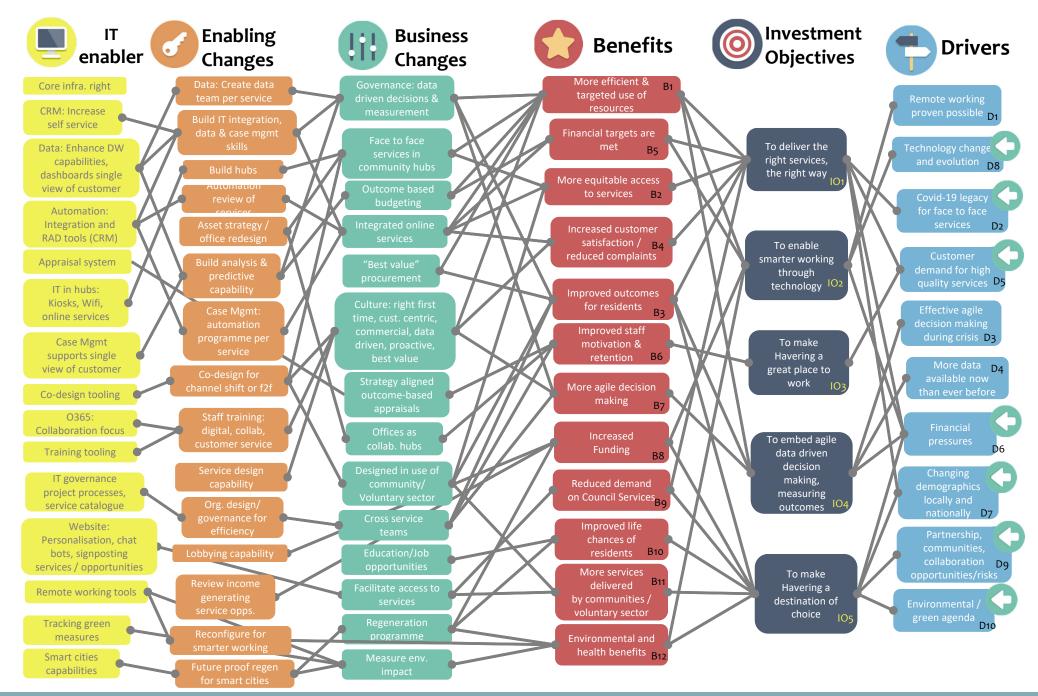


## To-be architecture

#### This section includes

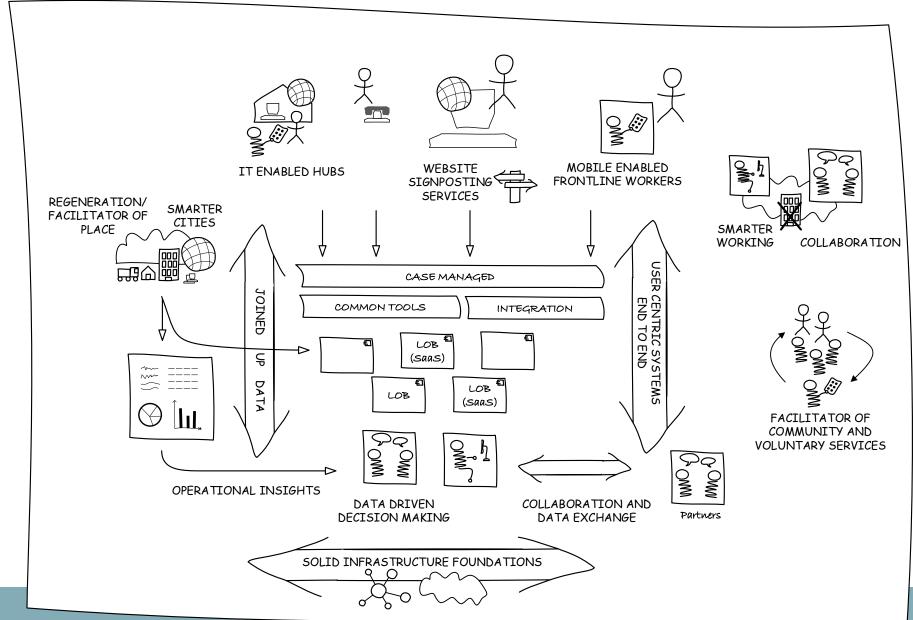
- Benefits dependency network
  - Drivers, Investment Objectives, Benefits sought, Business Changes and IT enablers
- Conceptual target state
- High level roadmap sunray diagram
- Target architecture themes
- High level architecture components
- High level platform view







# Conceptual target architecture





# Target architecture themes (1/2)

#### IT enabled hubs

• Required face to face service delivery focused around hubs, which also act as locations for signposting access to community and voluntary services. IT supports council staff and access to online services.

#### Online services

- Increasing channel shift for appropriate services. Signposting of online council services as well as community and voluntary sector services.
- Efficient access to information and services supported by personalisation, webchat and a case management approach to service forms. Case management underpins single view of customer.
- Business process review and redesign for automation and integration opportunities.

## Smarter working / collaboration

• Technology as an enabler of different working styles in, around and away from the office. Decrease in office space facilitated by efficient remote working capabilities and collaboration tools.

#### Mobile enabled frontline workers

- Easy access to required council systems on the move.
- Devices and remote access capabilities go part of the way to supporting this.
- Business process review and redesign are likely required to derive full benefits.

#### User centric systems – end to end

 Services designed around the end customer, from initial point of contact, across relevant services and through relevant LOB systems.



# Target architecture themes (2/2)

#### Joined up data – supporting operational insights and collaboration

- Joined during the customer journey and at the point of entry.
- As well as joined after the fact for reporting purposes and to address a legacy of un-linked data.
- Data teams aligned with service areas support delivery of performance data, underpinning data driven decision making.
- "Open data" and other mechanisms for appropriate collaboration and data exchange with partners.

#### Regeneration / Facilitator of space

• Build smart cities capabilities in from the beginning. Signposting and IT facilitation of strategy.

#### Facilitator of community and voluntary services

Through signposting / directory capabilities and IT enabled Hubs.

#### Common tools

- Leverage core platform capabilities for Case Management, Process Automation, Reporting/Data, Integration.
- Driving reduced cost of ownership, increased expertise and faster delivery from IT.
- Some need for compromise where common platforms maximise benefits to wider organisation.

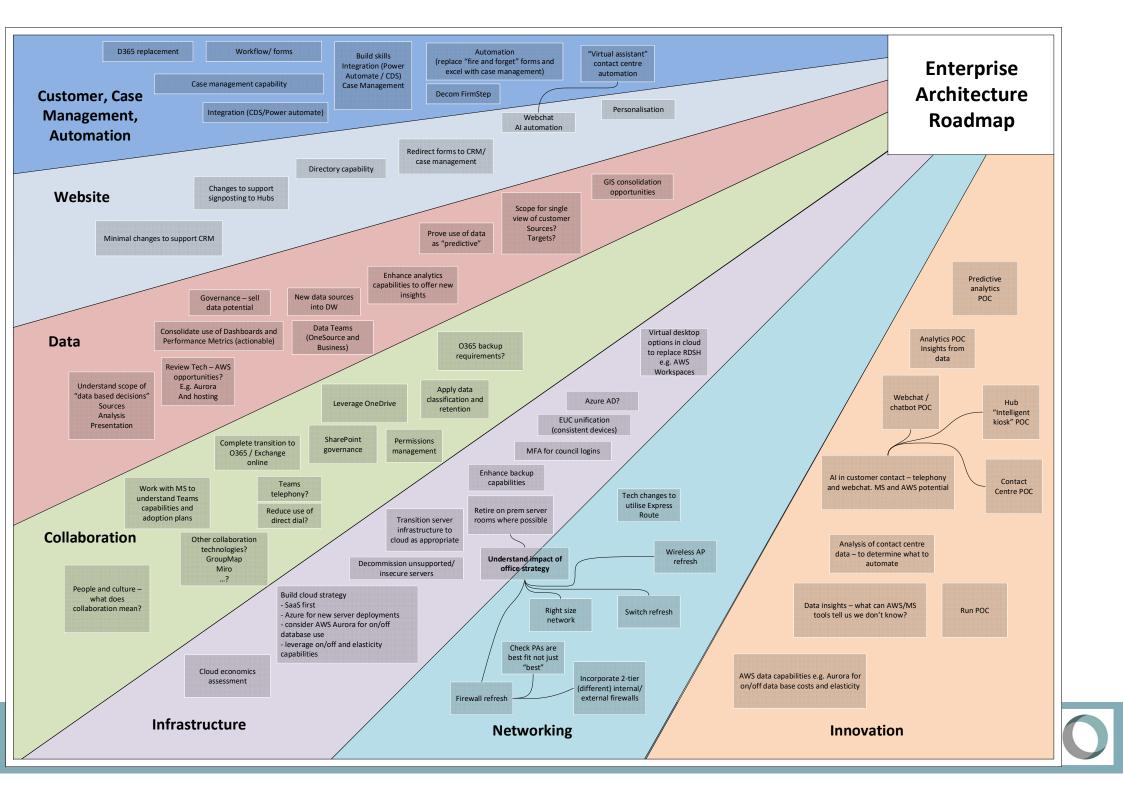
#### Integration

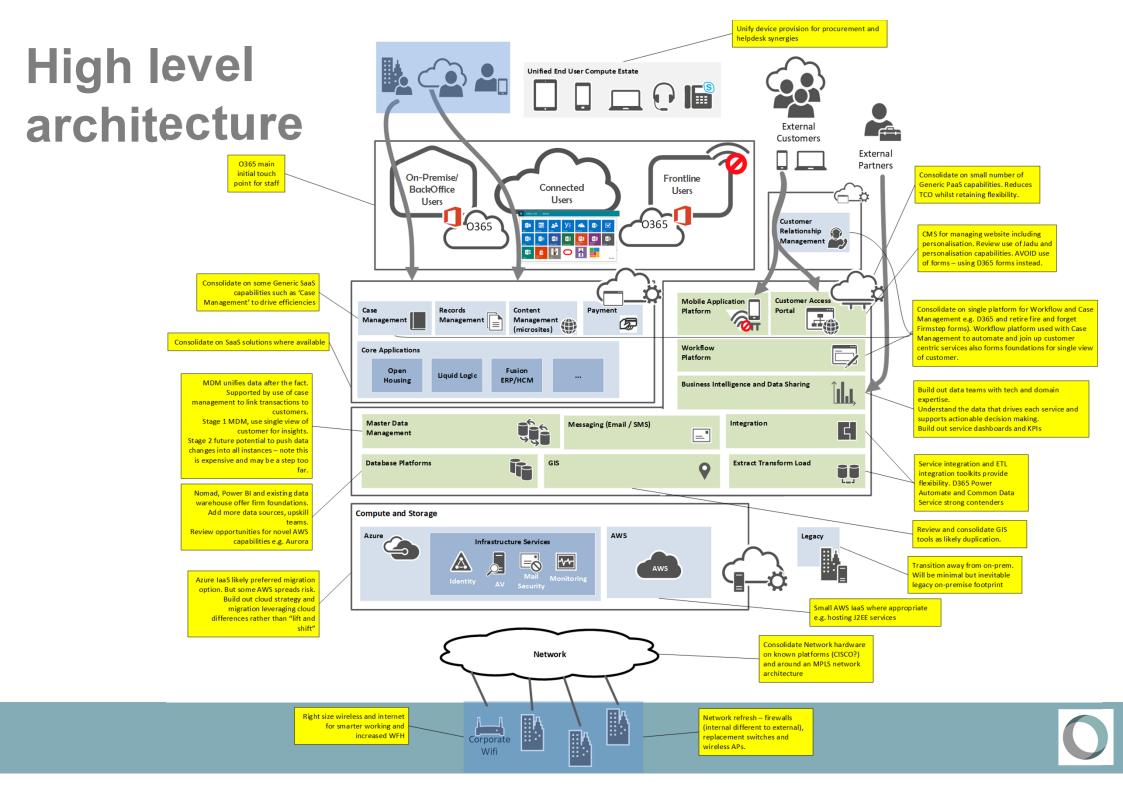
- Efficient council operations facilitated by expertise in Integration capabilities joining up transactions between LOB systems and between service areas.
- Allows for exceptions which optimise solutions for services, with integration back to core platforms.

#### Solid infrastructure foundations

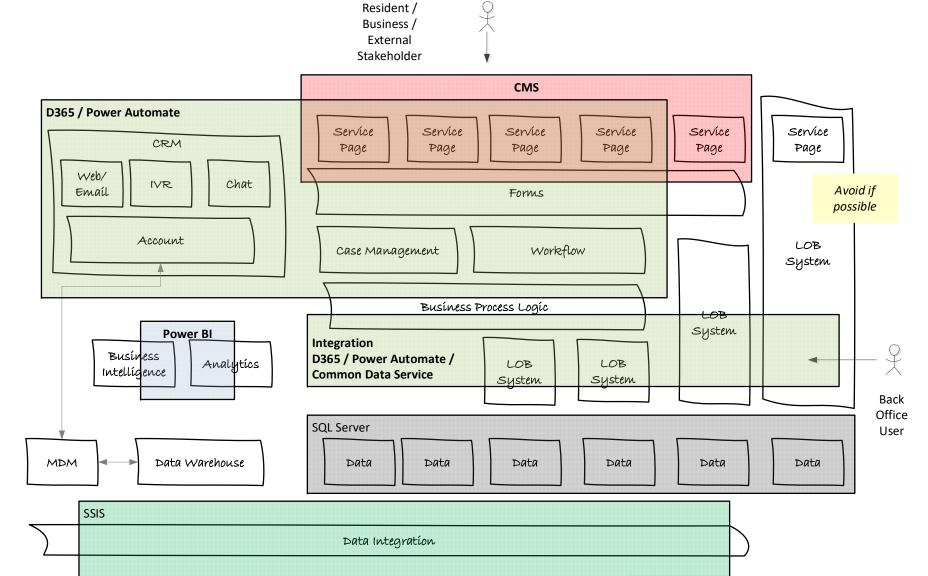
- Appropriate levels of security, resilience and robustness to underpin council services.
- Increasing use of cloud services where cost effective.







# High level platform view





## Governance

## This section includes

- IT principles
  - A detailed breakdown of the proposed IT principles is also available.



# IT Principles (1/3)

A set of IT Principles is proposed on the following slides.

IT Principles are high level statements of the fundamental values that guide decision-making and activities in relation to IT.

They are the foundation for both architectures, standards, and policy development.

Their use ensures the managed evolution of Havering's Enterprise Architecture, reducing delivery risk and managing IT Total Cost of Ownership.



## IT Principles (2/3)

The evolution of our IT landscapes should be driven by business need and guided by a set of IT principles to assist our decision making

#### Governance

- Clear alignment with strategic plans
- Maximise benefit to the organisation
- Leverage common use applications, integrate where divergence is critical
- IT engaged in all IT deployments
- Customer centric design
- Agile delivery methodology
- Tolerance of innovation and experimentation fail fast.

#### Data

- Data should be accessible, managed as an asset and appropriately protected
- Data will be shared unless there exists a strong case otherwise
- Data should be integrated to support a single view of the customer



# IT Principles (3/3)

## **Applications**

- Clearly defined architecture and strategies
- Design for ease of use
- Rent before buy before build "Configure" where possible
  - (SaaS before PaaS before laaS before "tin")
- Build for business efficiency, integrating services and information
- Alignment with agreed standard technologies

## **Technology**

- Controlled technical diversity
- Strive for reusability
- Reduce complexity
- Appropriate security to minimum standards
- Requirements based change

