dallas
Architecture Reconciliation

Nigel Dallard

i-focus

7th November 2013

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Background

- Approaching half-way point of the *dallas* programme
- Increasing pressure on *dallas* communities to show progress towards the cross-programme interoperability originally envisaged

and

- Increasing pressure on *i-focus* to produce more normative specifications to support above
  - and to assess compliance against these specs

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Current state of play

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Current State of Play

- Five architectures with *dallas*:
  - i-focus *dallas* reference architecture
  - Year Zero architecture
  - More Independent architecture
  - Living It Up architecture
  - Warm Neighbourhoods architecture
- NHS England
  - Health & Social Care Digital Service architecture

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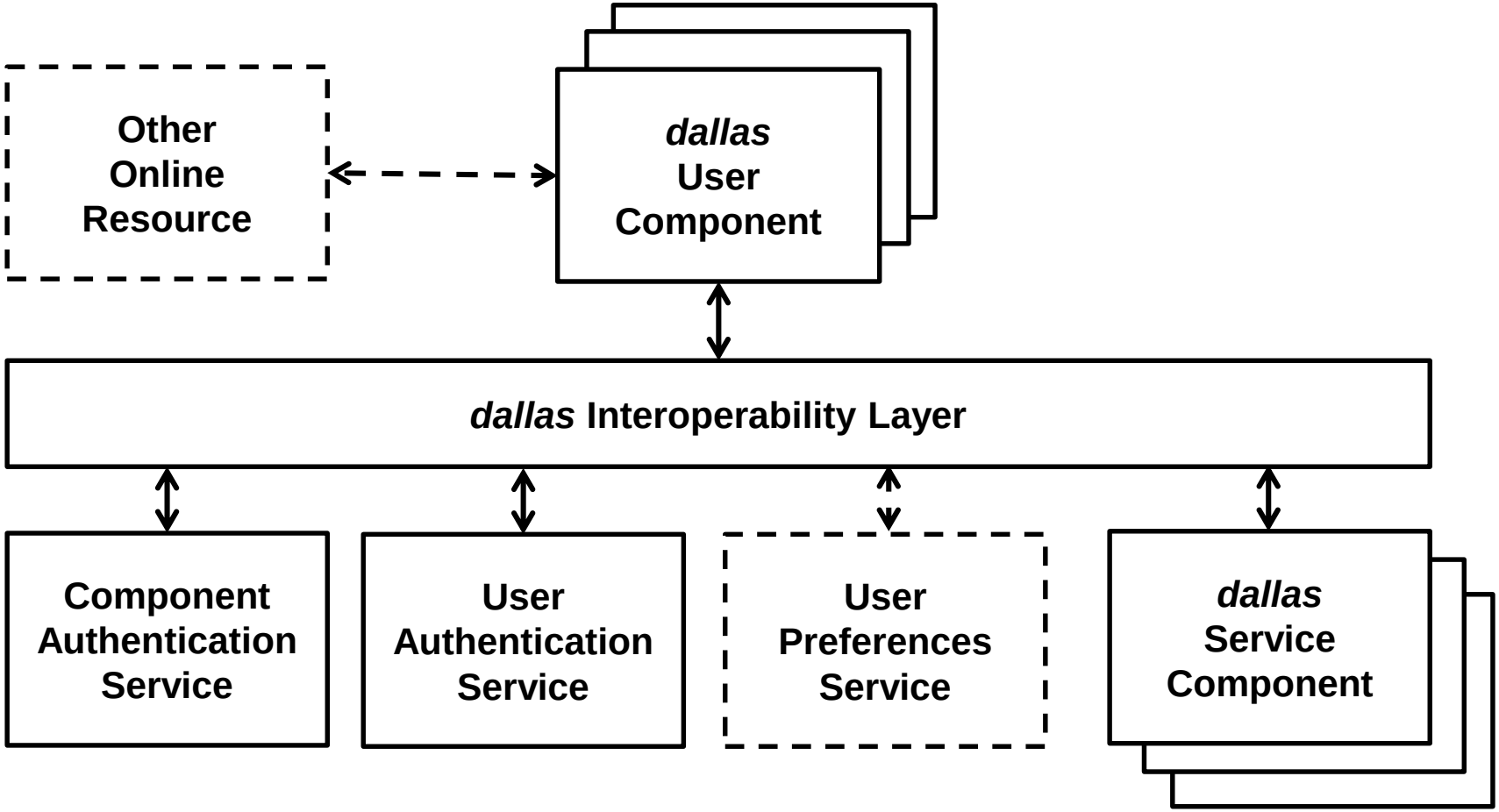
i-focus *dallas* Reference Architecture



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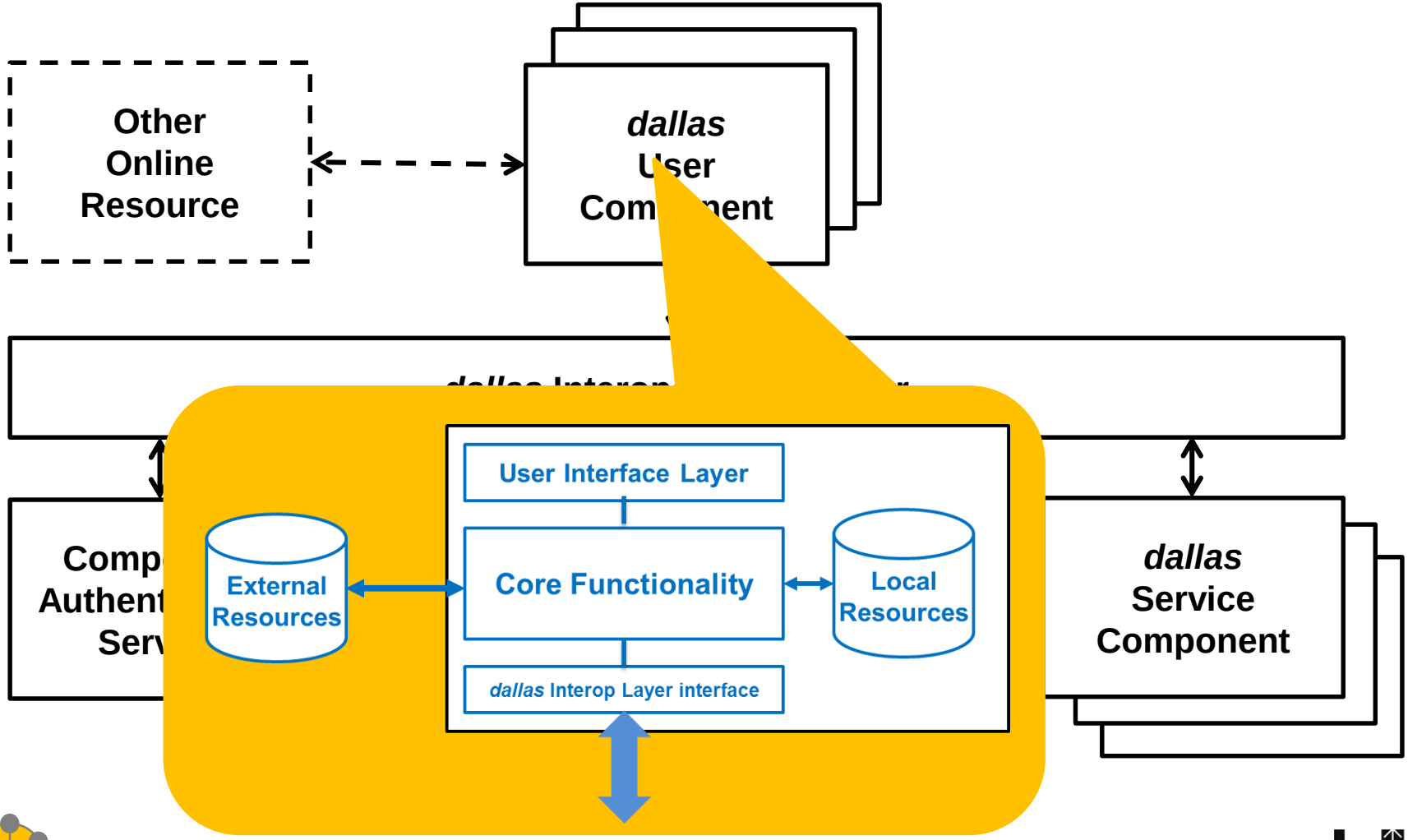

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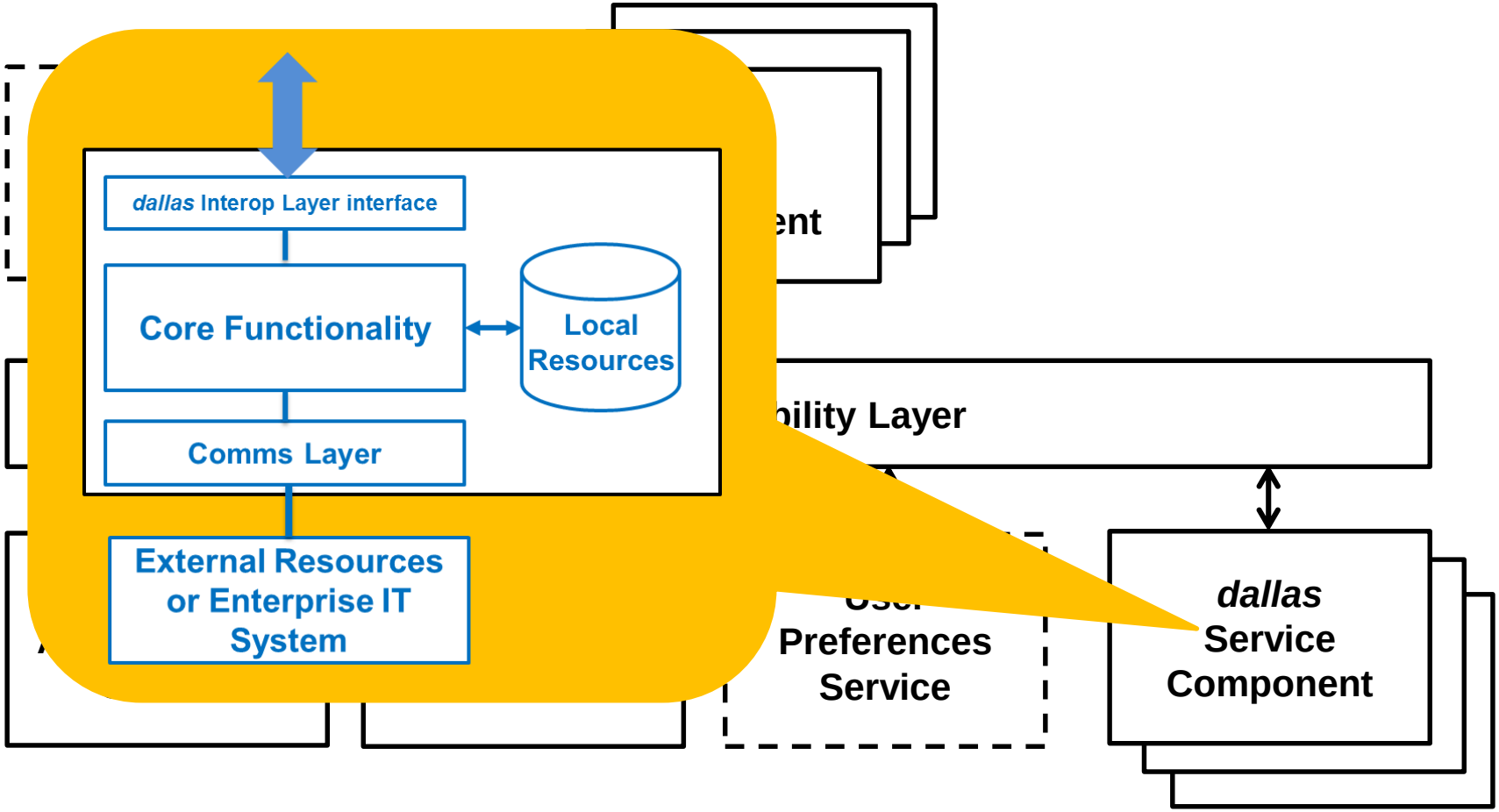

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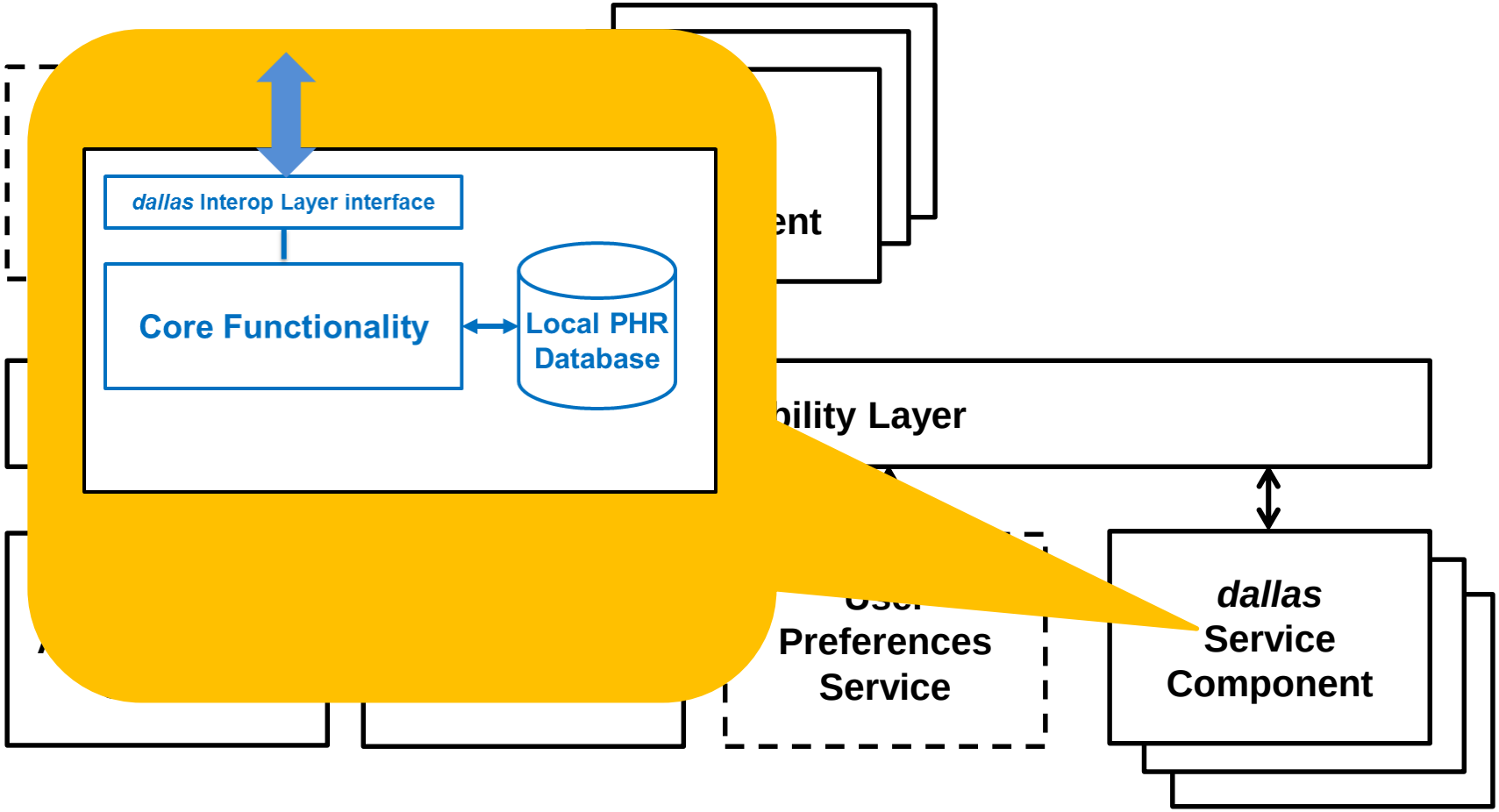

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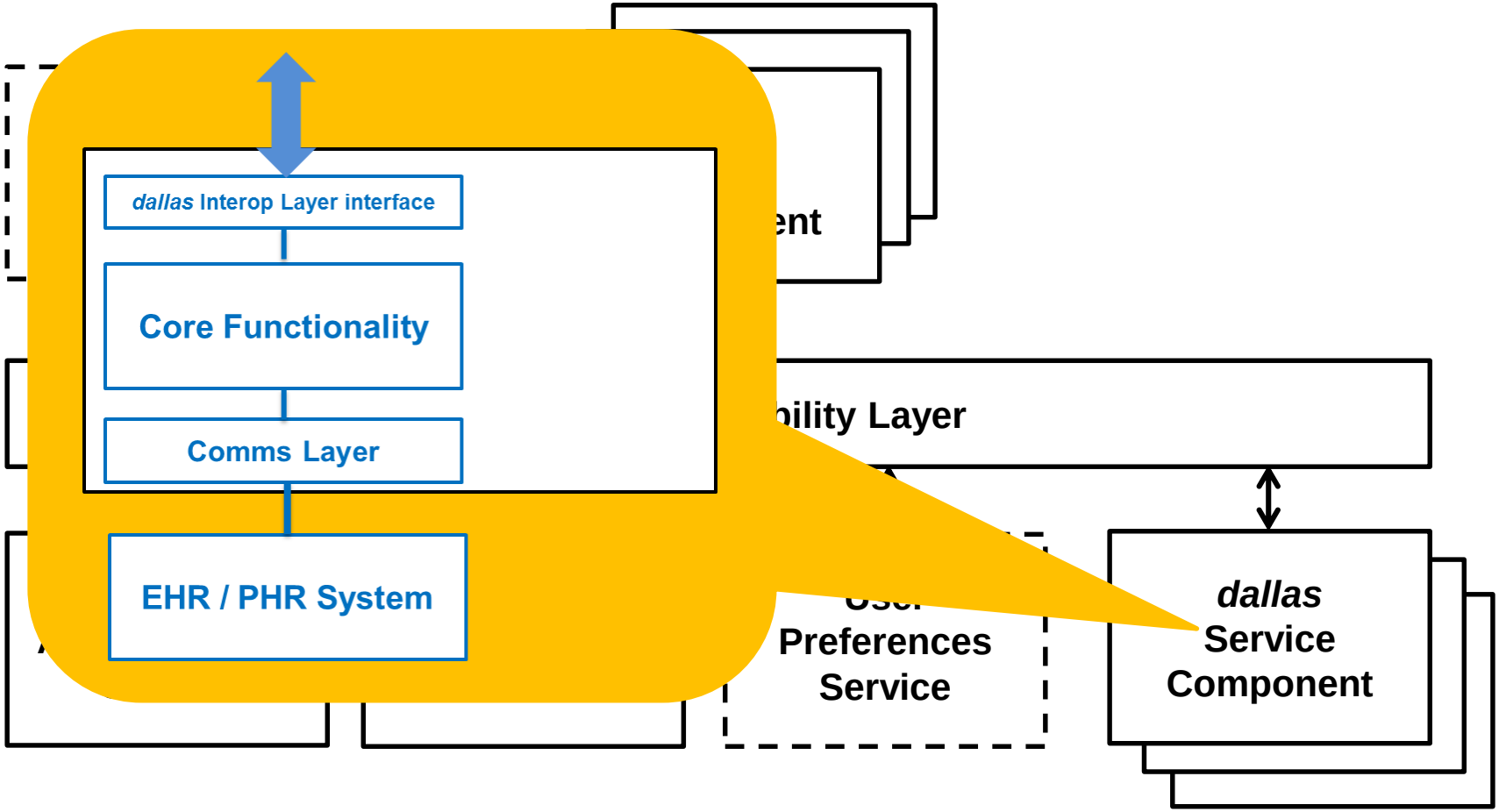

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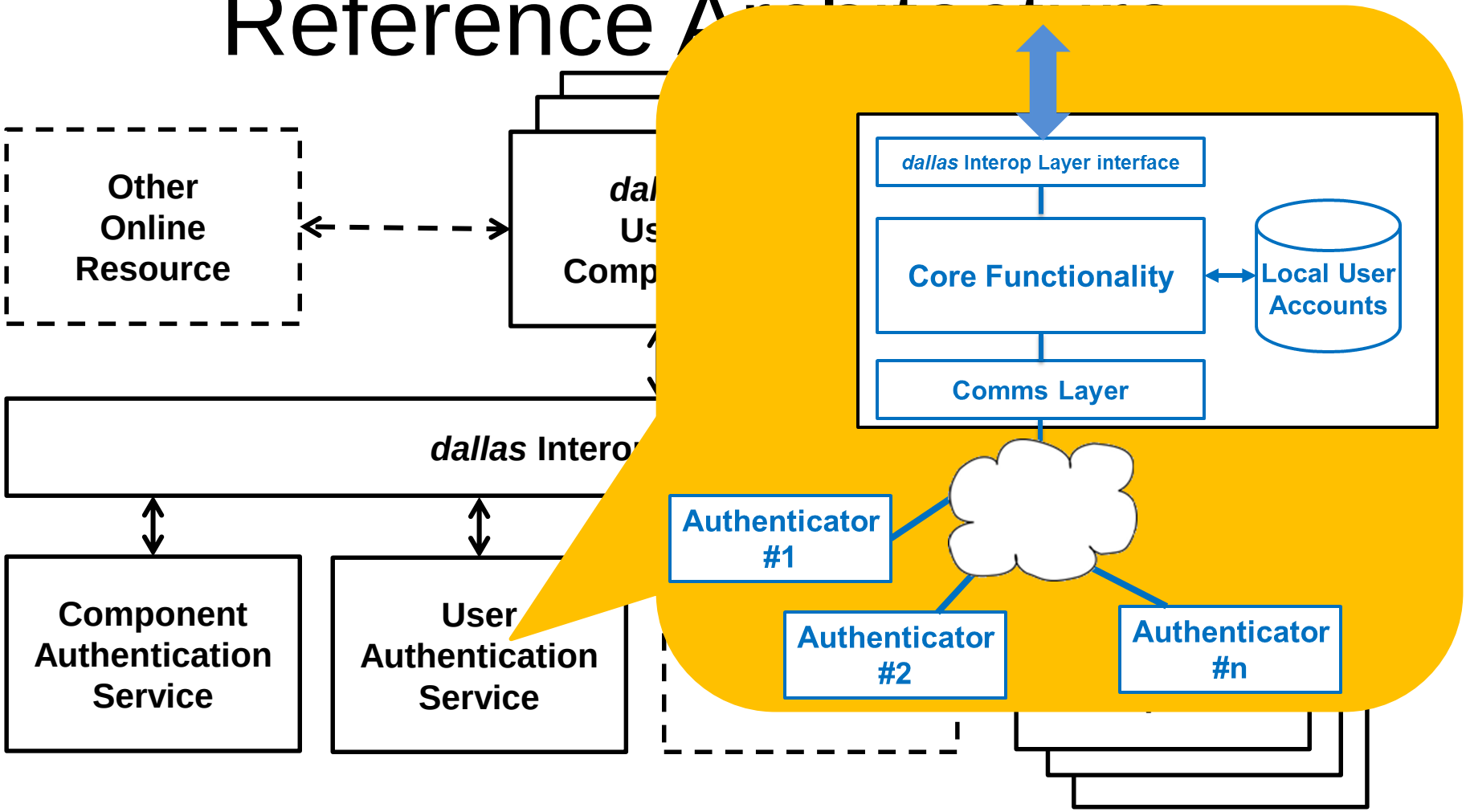

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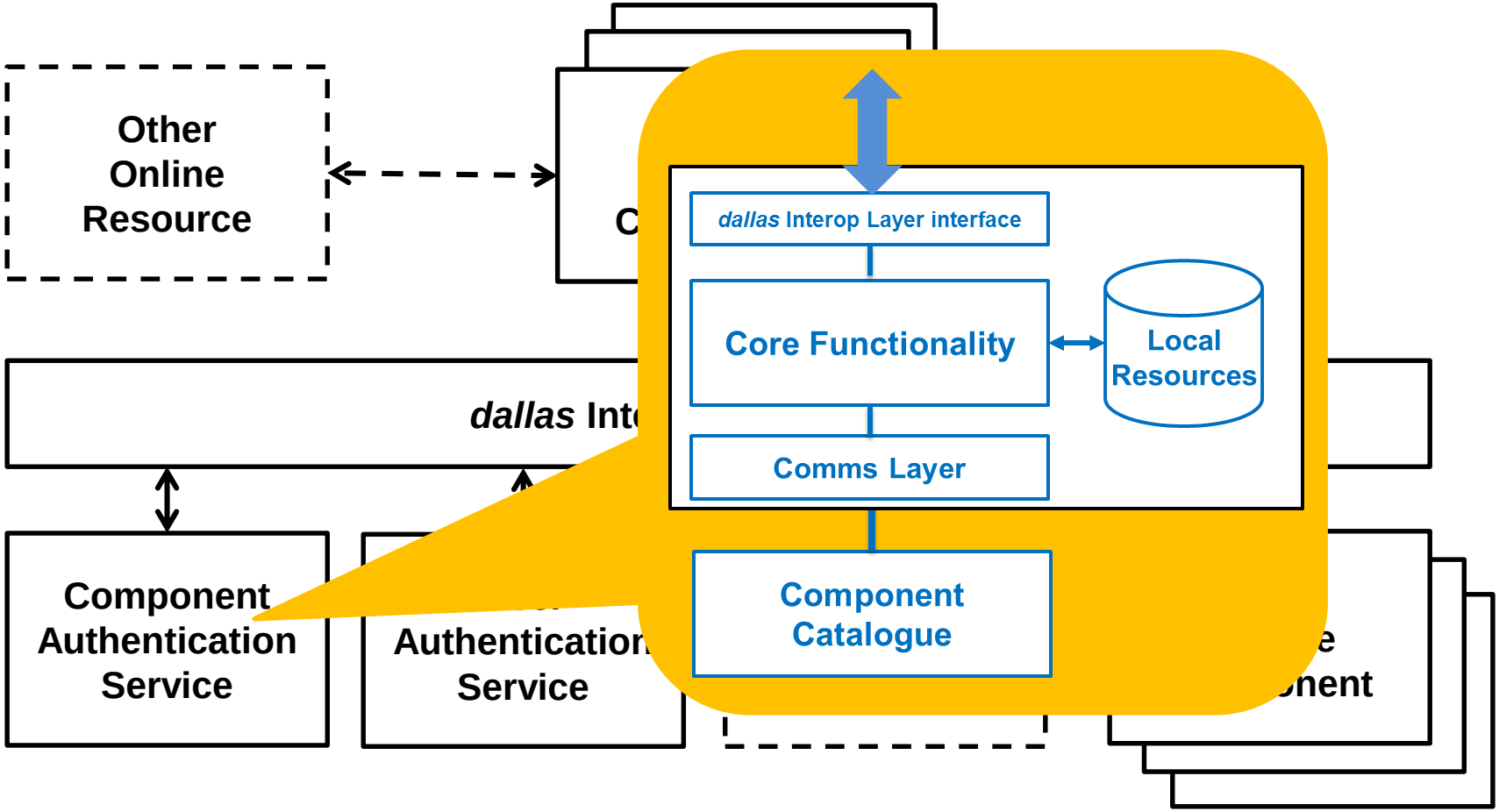

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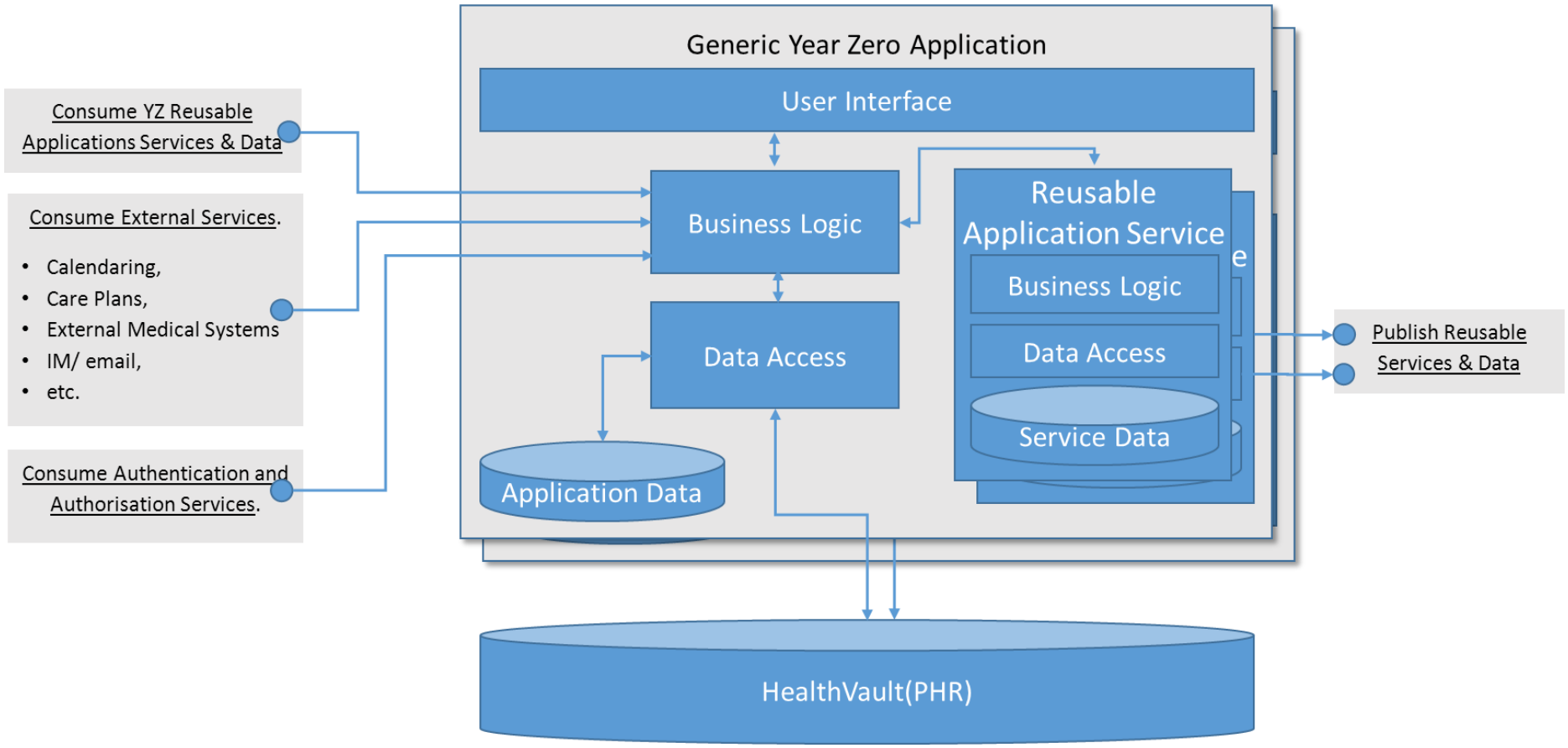
Year Zero Architecture



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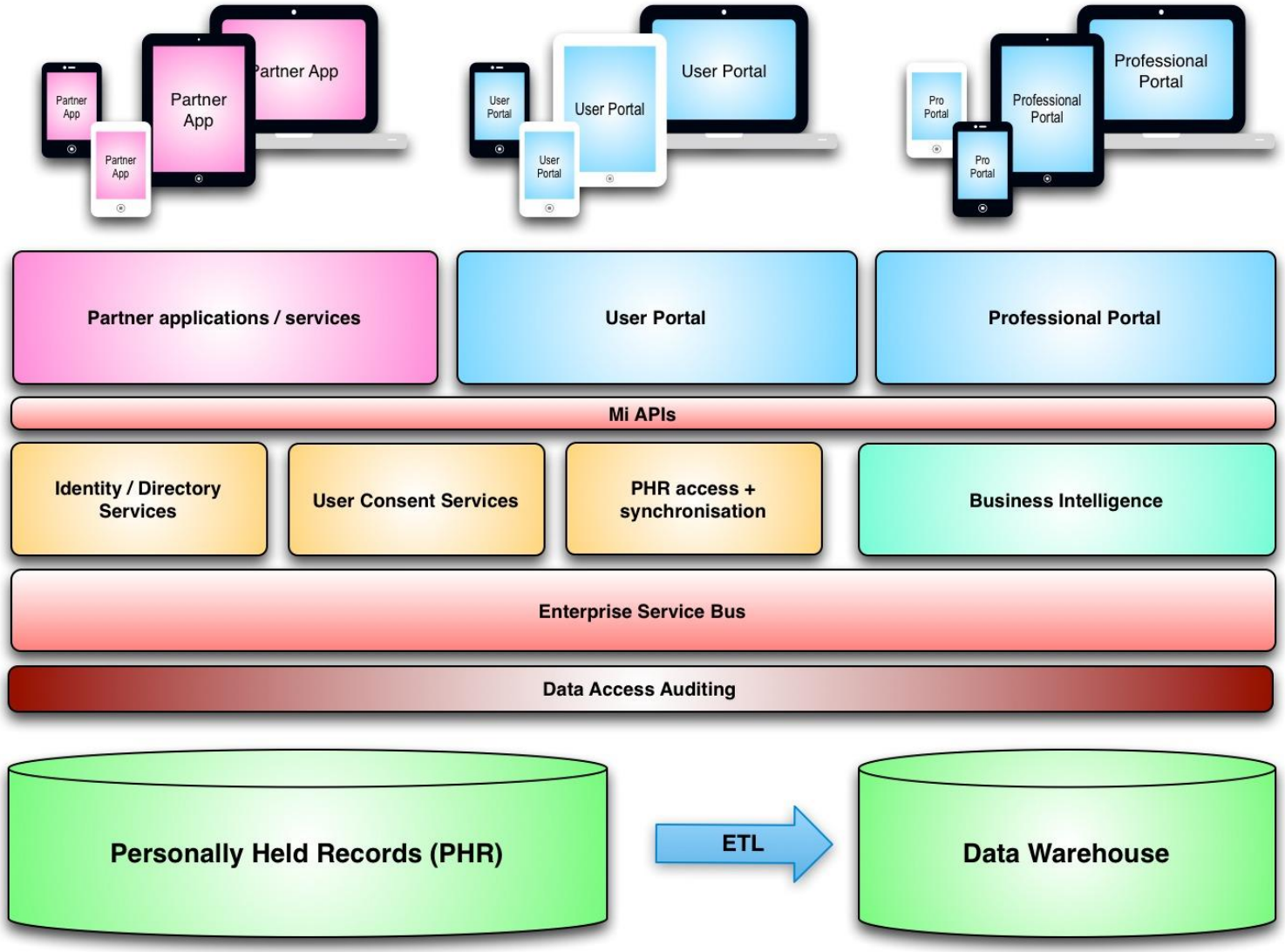
More Independent Architecture



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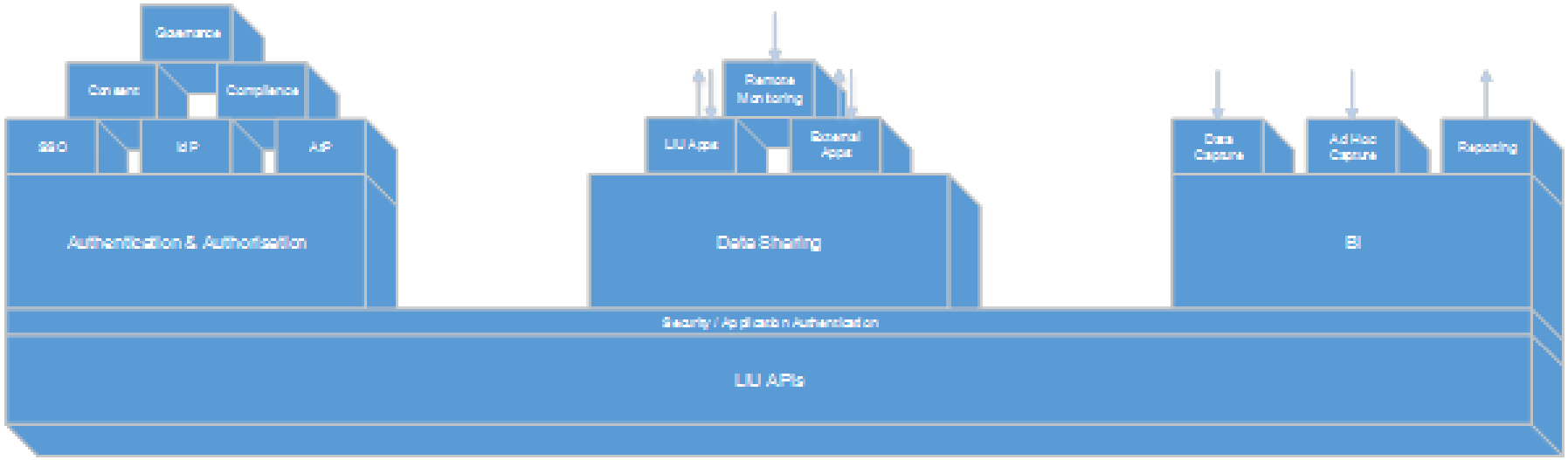
Living It Up Architecture



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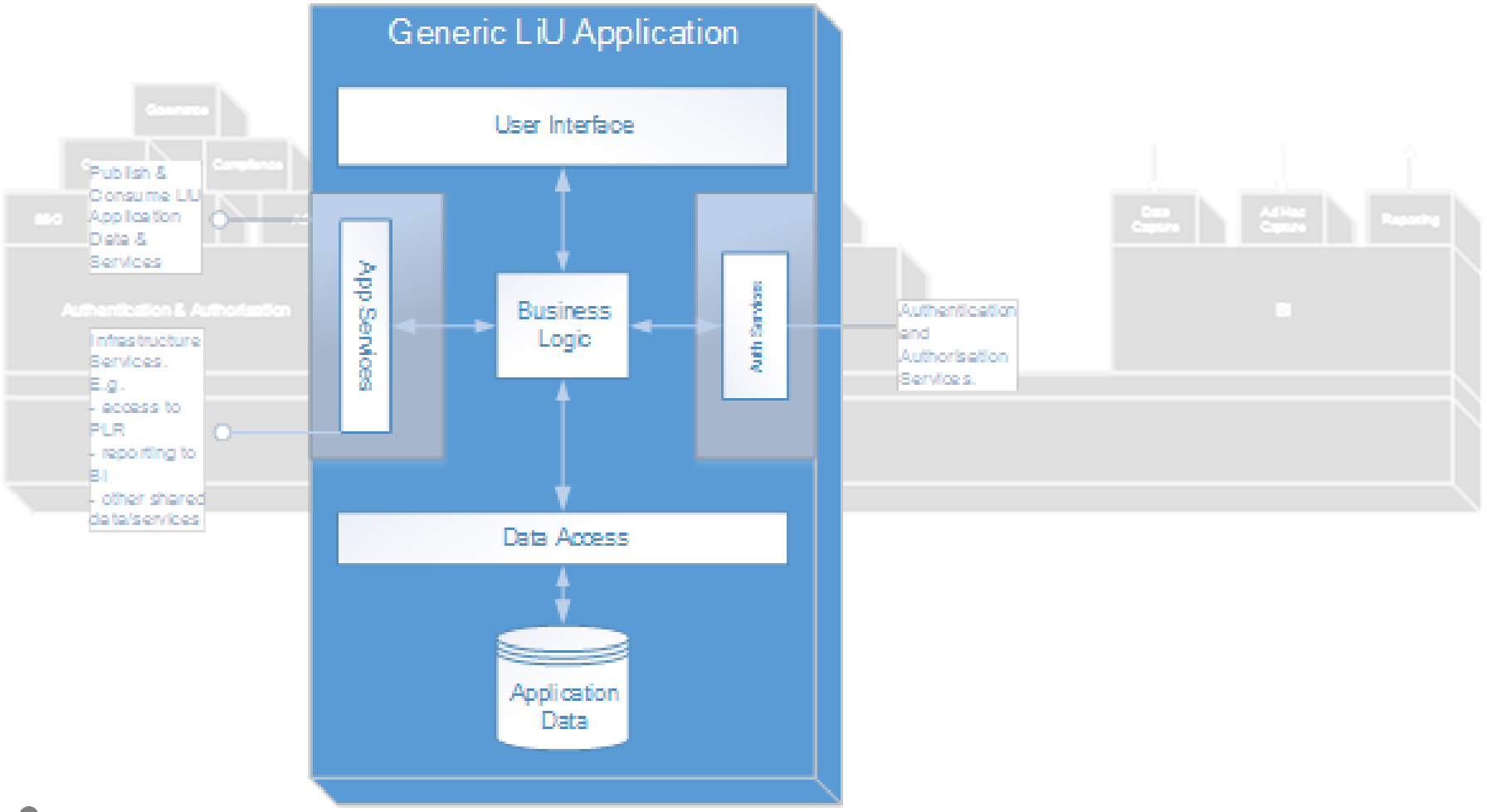
Living It Up Architecture



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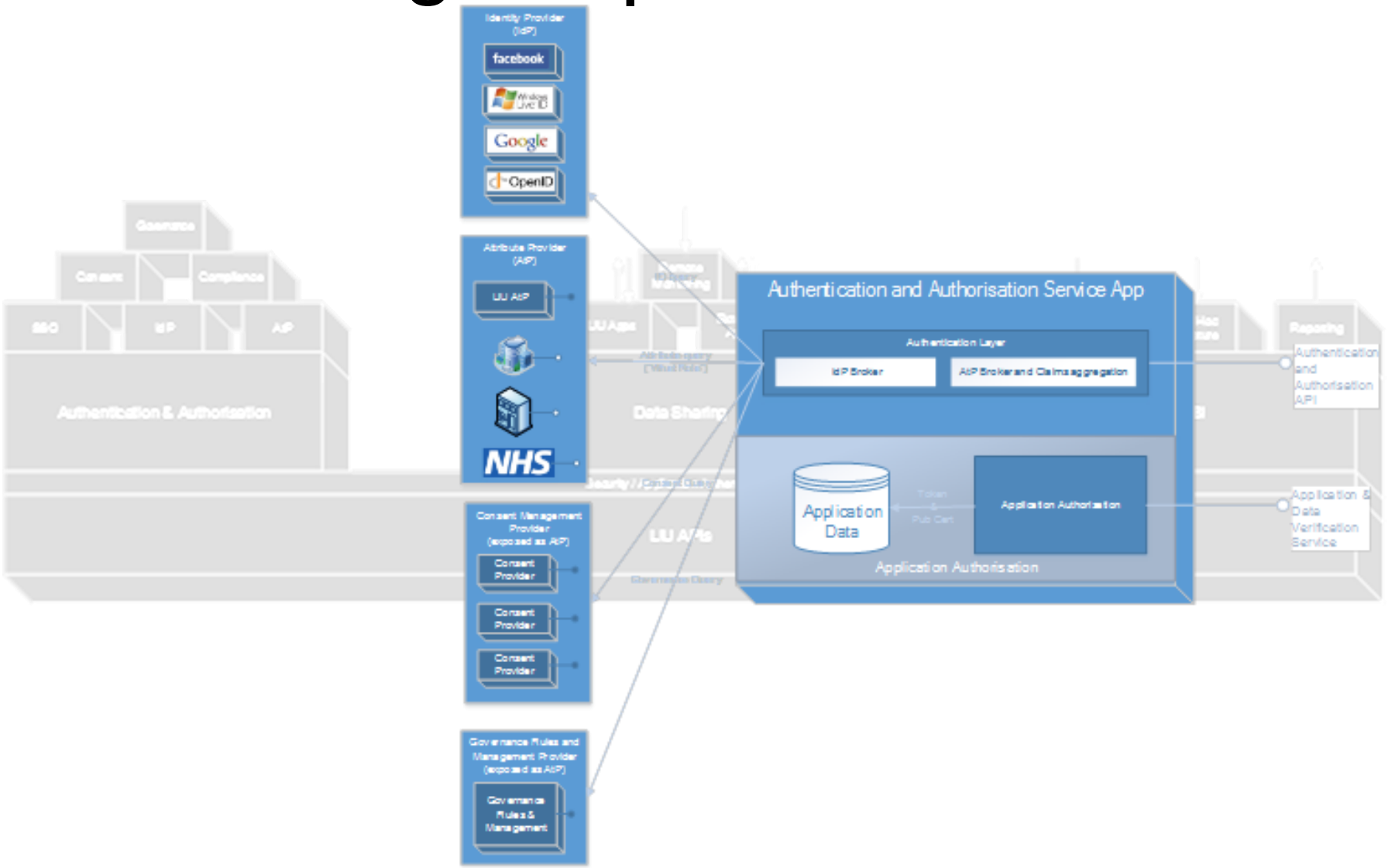
Living It Up Architecture



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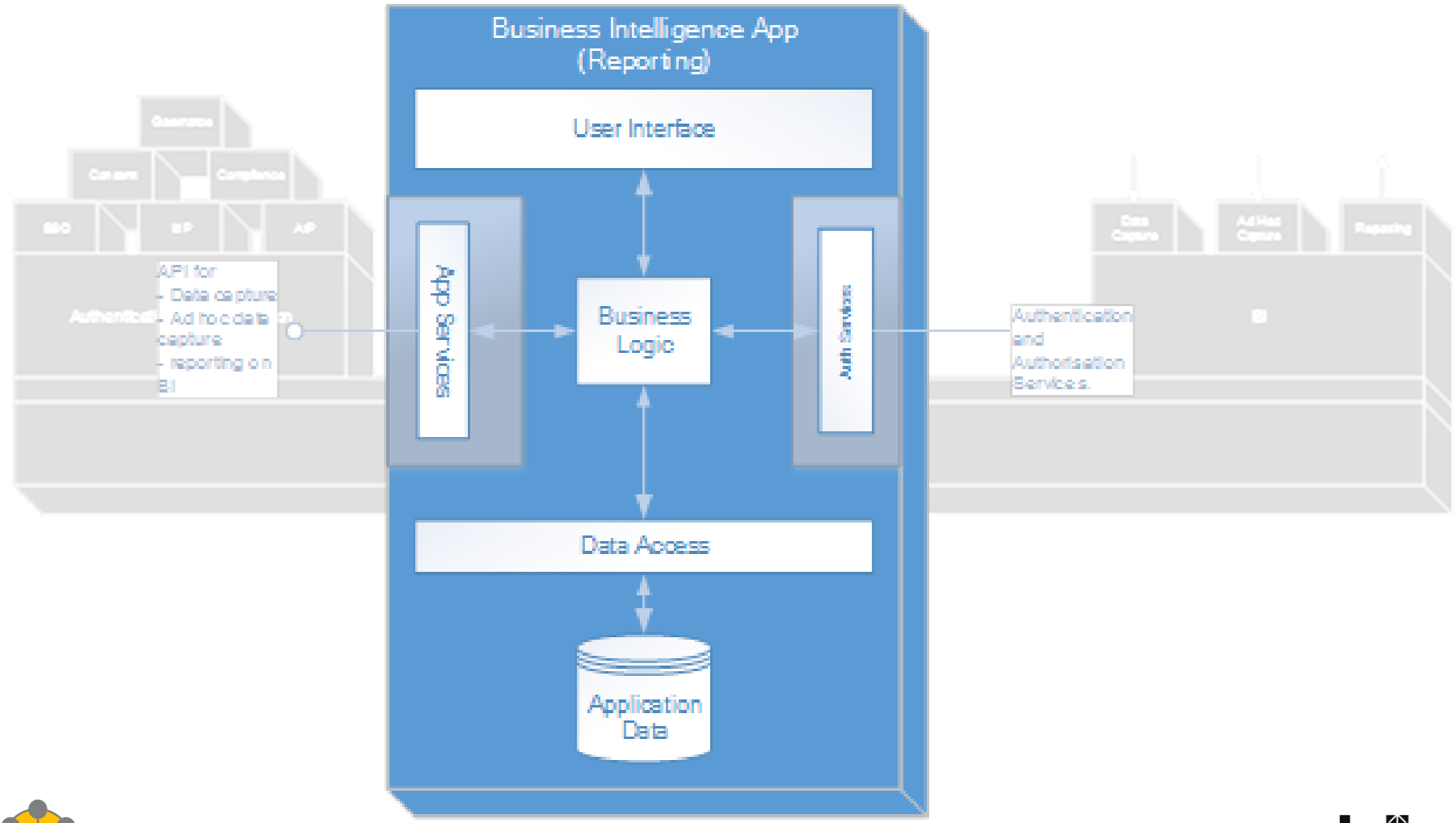

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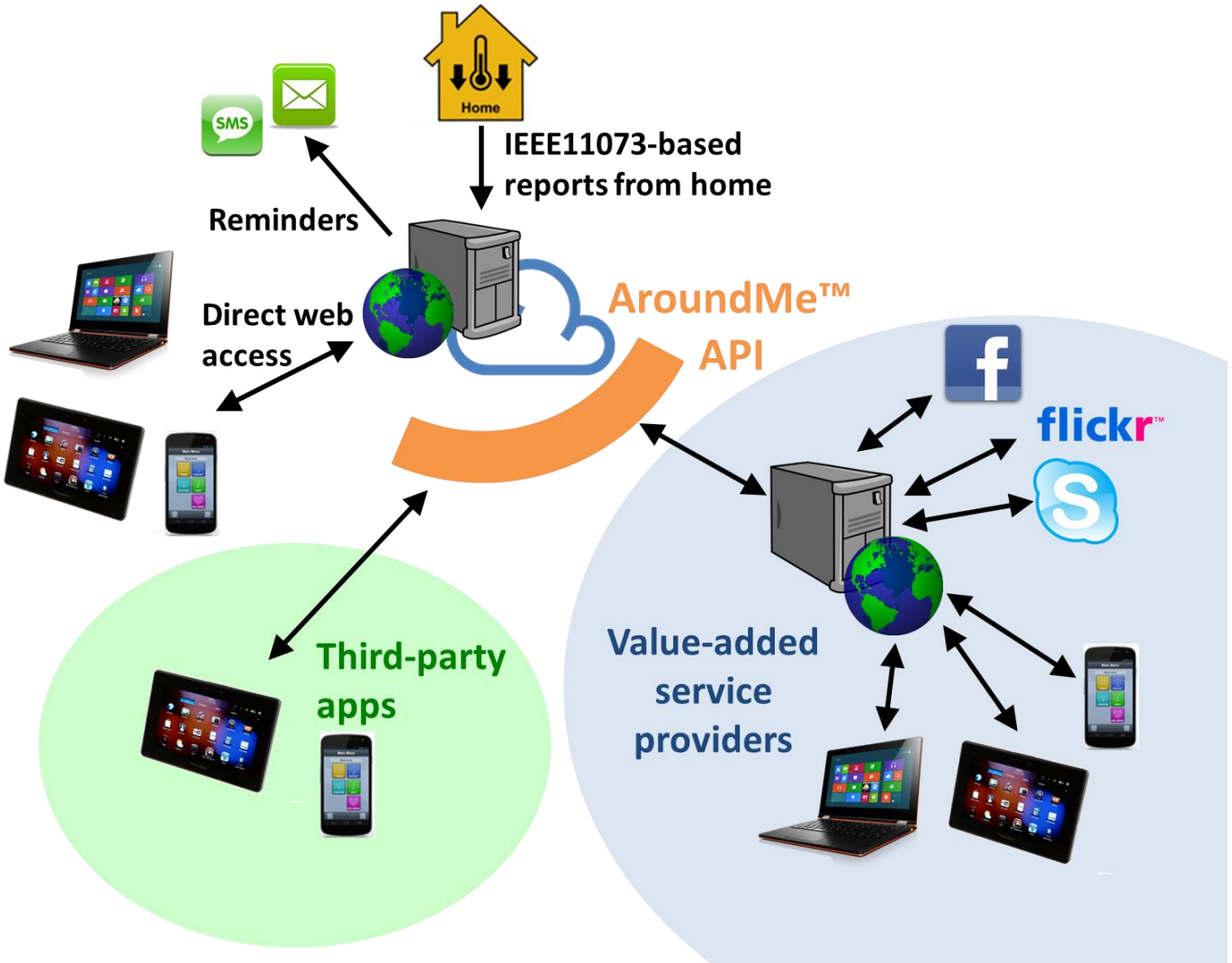
Warm Neighbourhoods Architecture



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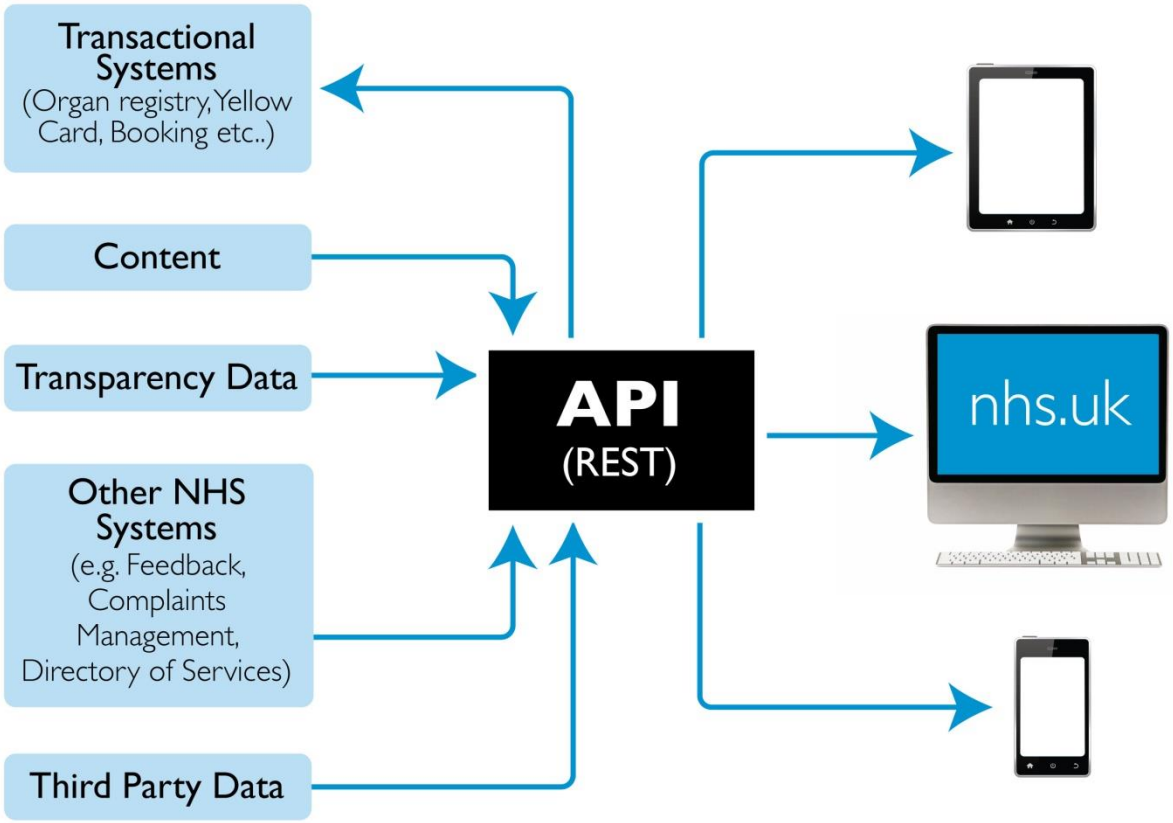
Health & Social Care Digital Service Architecture



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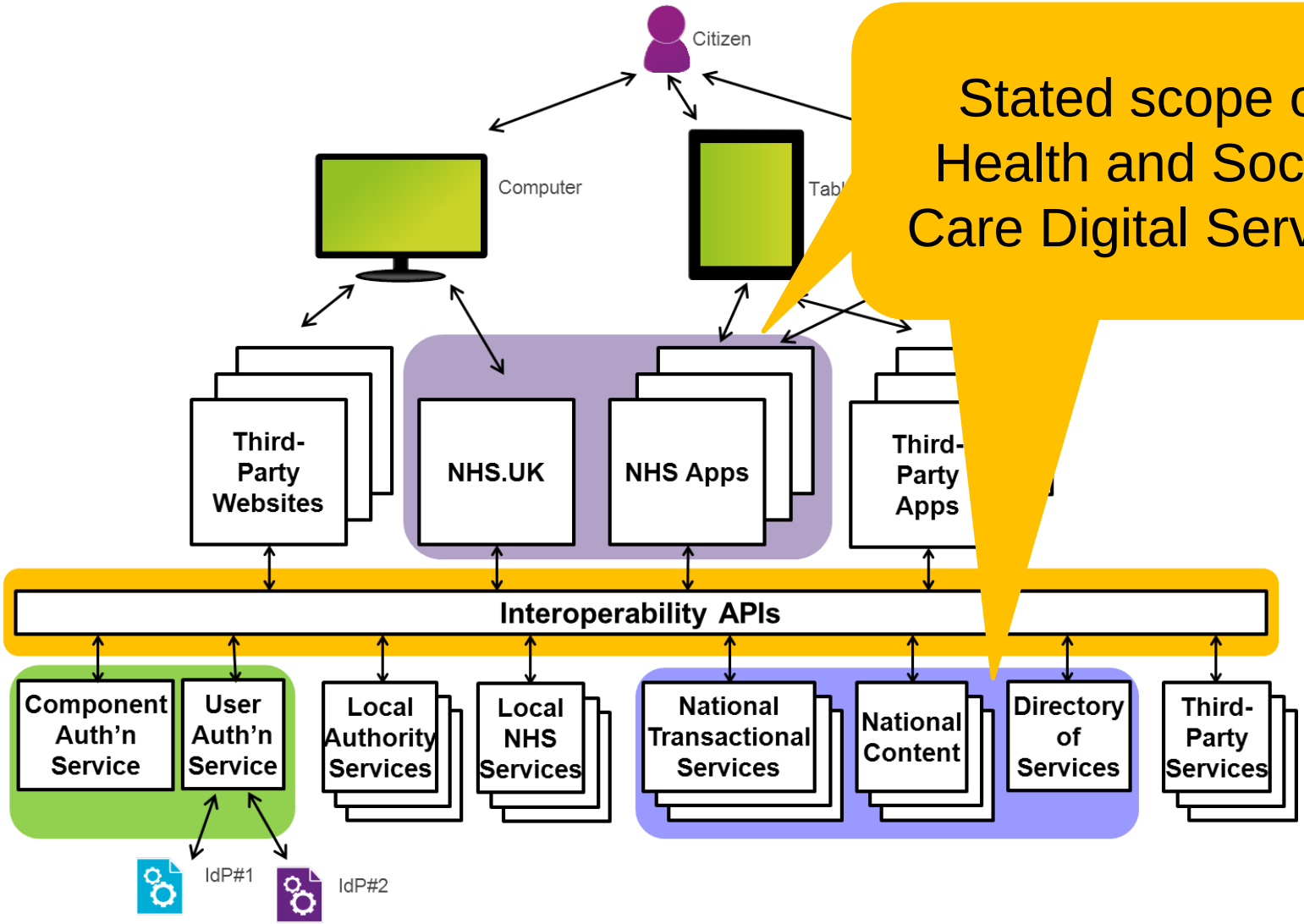
HSCDS within wider environment



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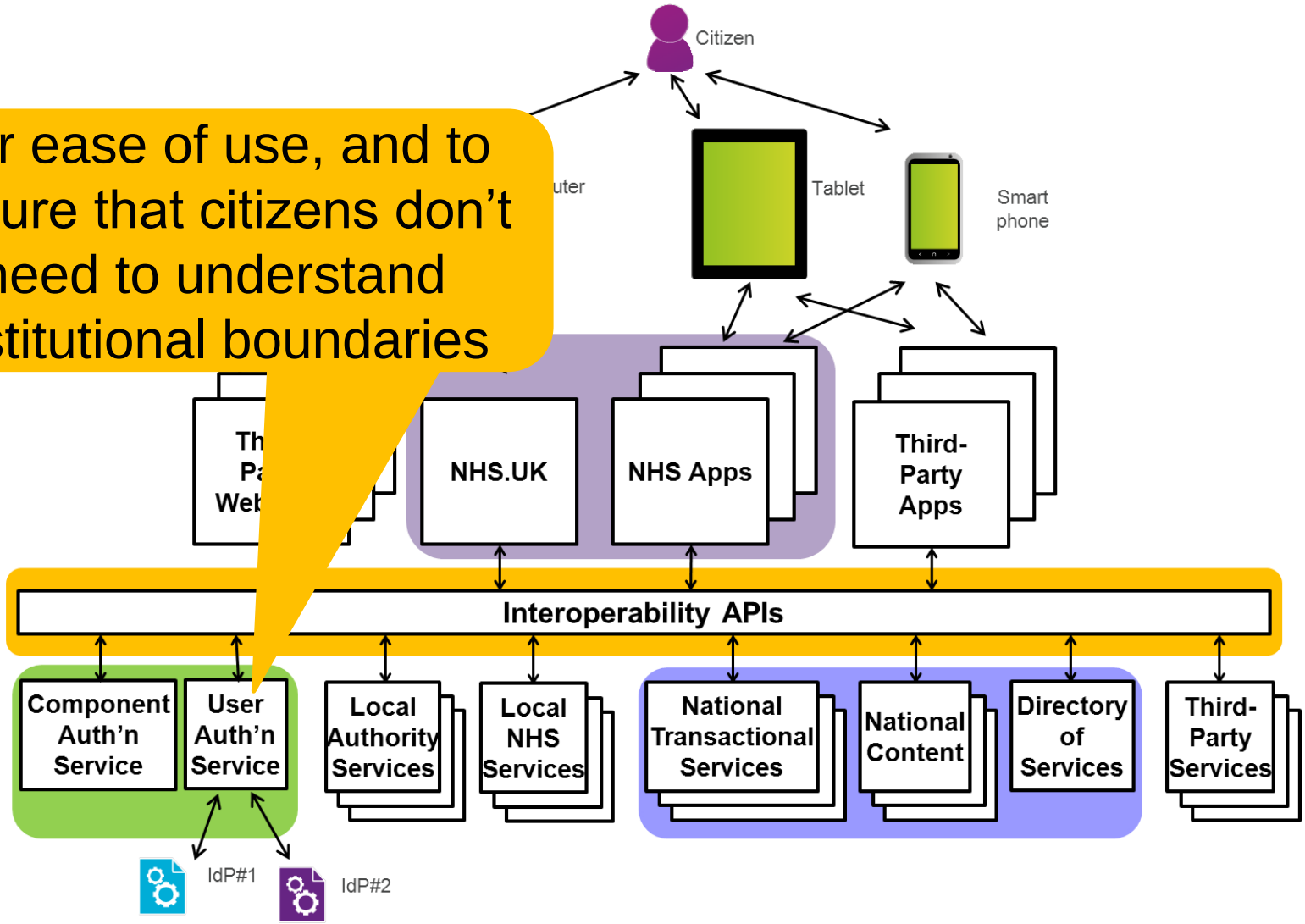
HSCDS within wider environment

For ease of use, and to ensure that citizens don't need to understand institutional boundaries



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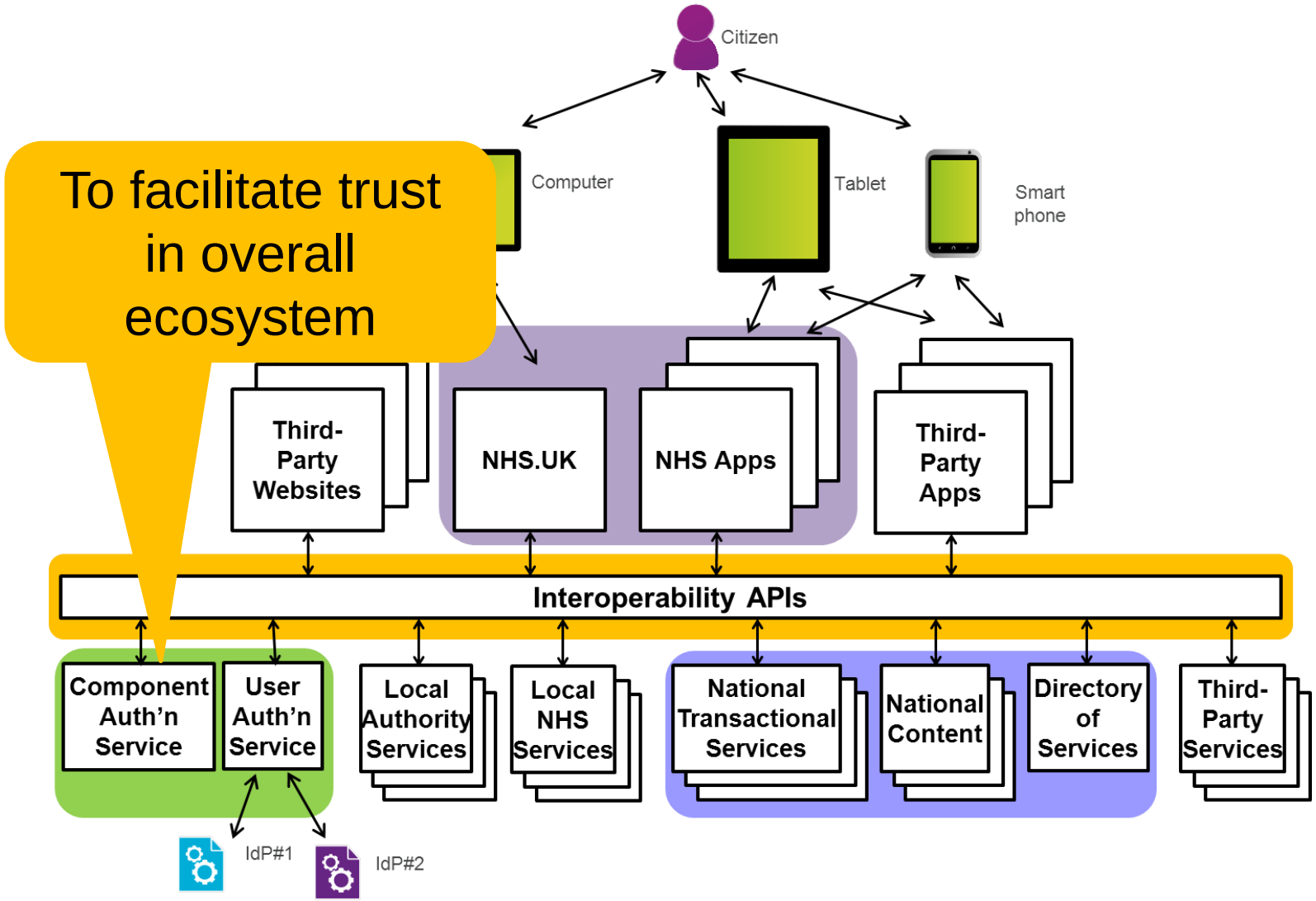
HSCDS within wider environment



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Reconciliation

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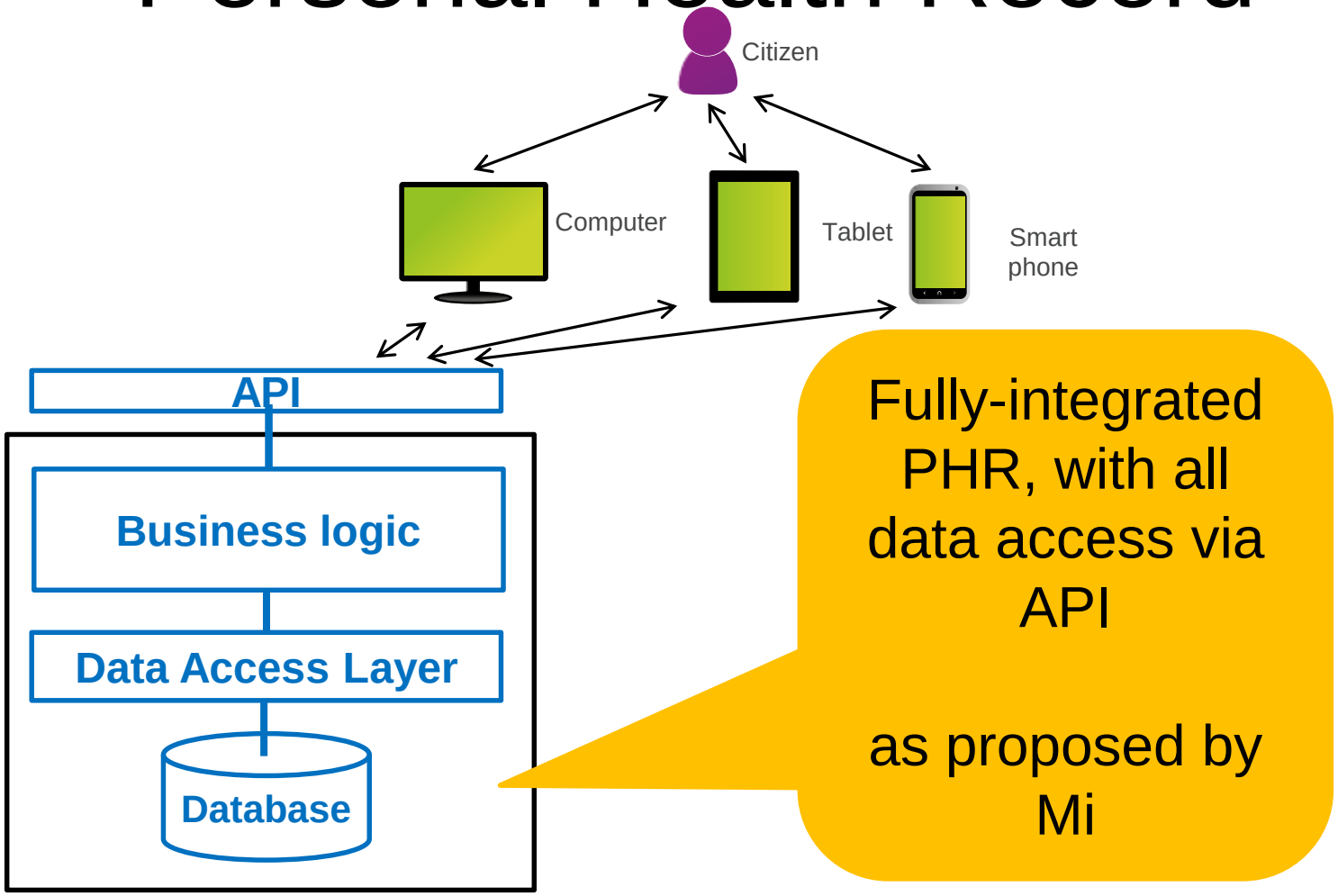
Personal Health Record



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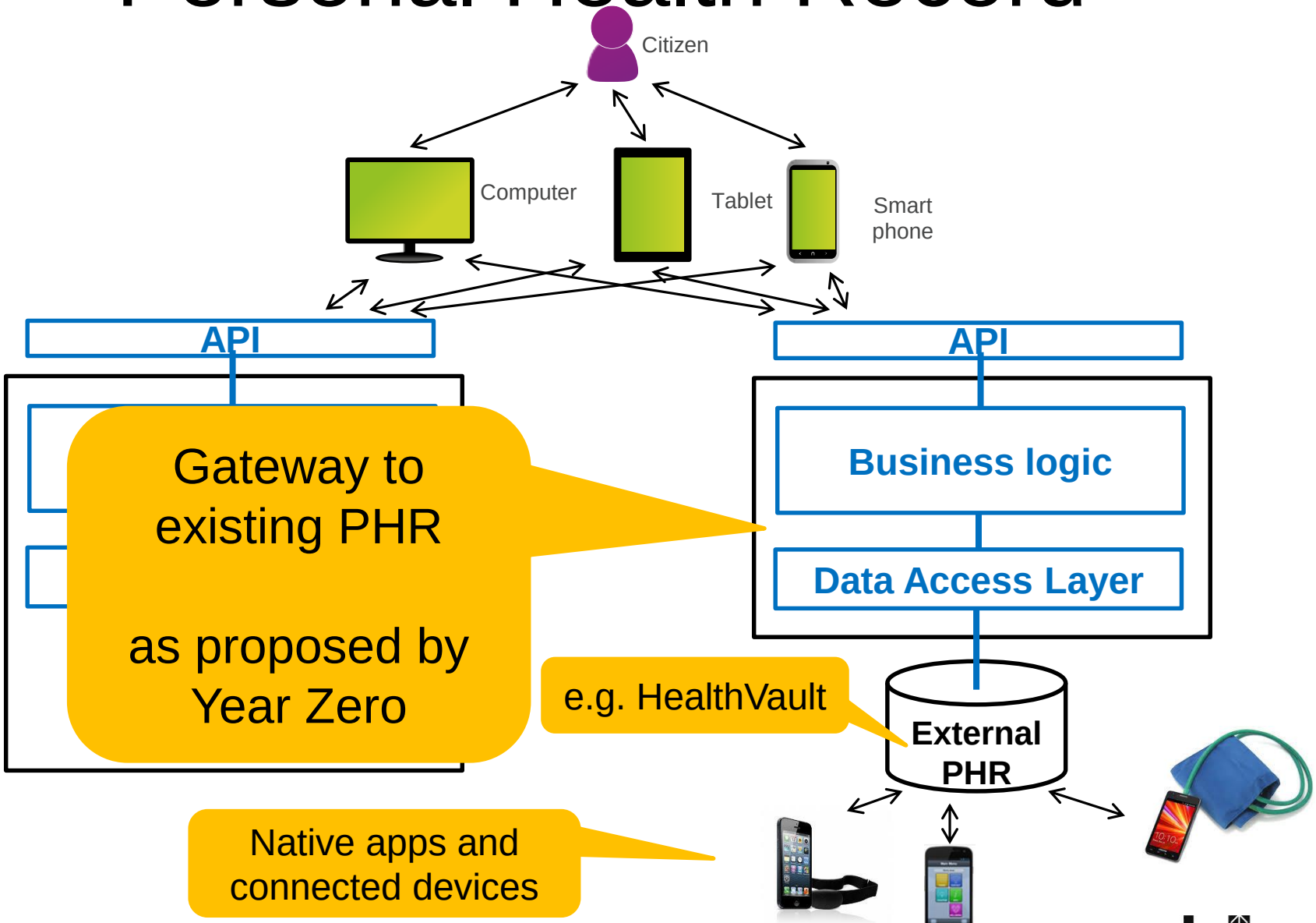

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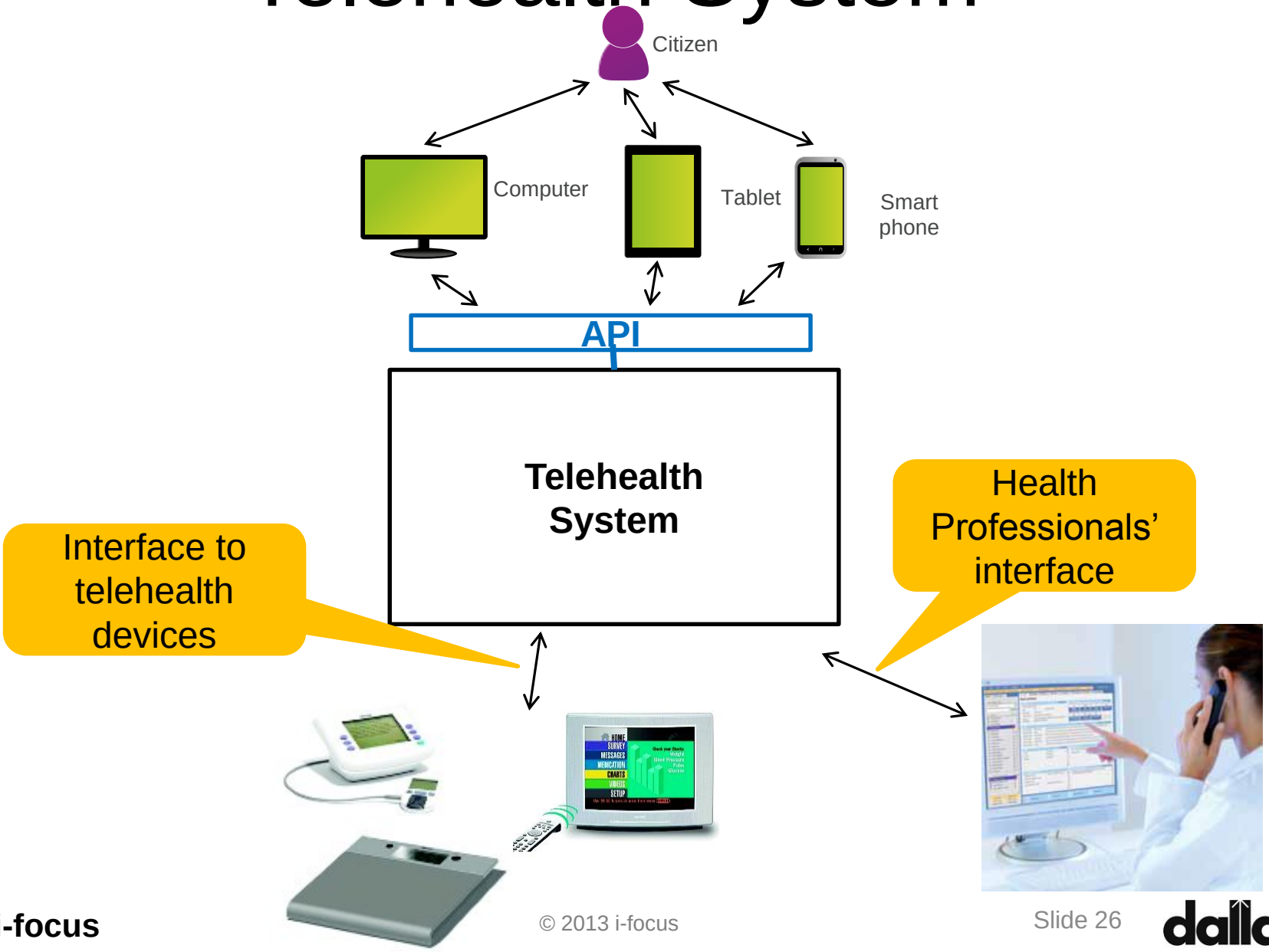
Telehealth System



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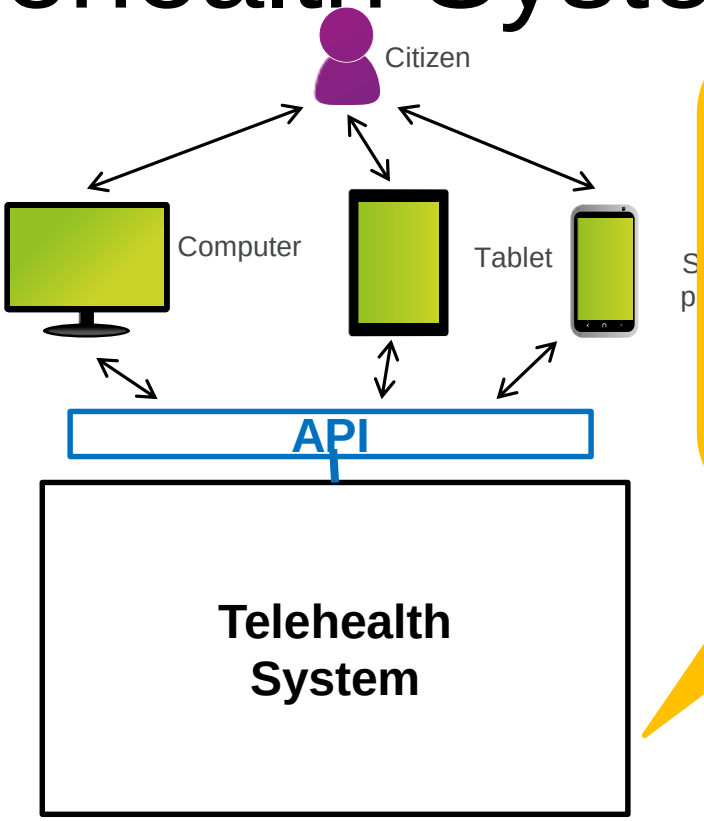
Telehealth System



Warm Neighbourhoods architecture also maps almost directly to this model

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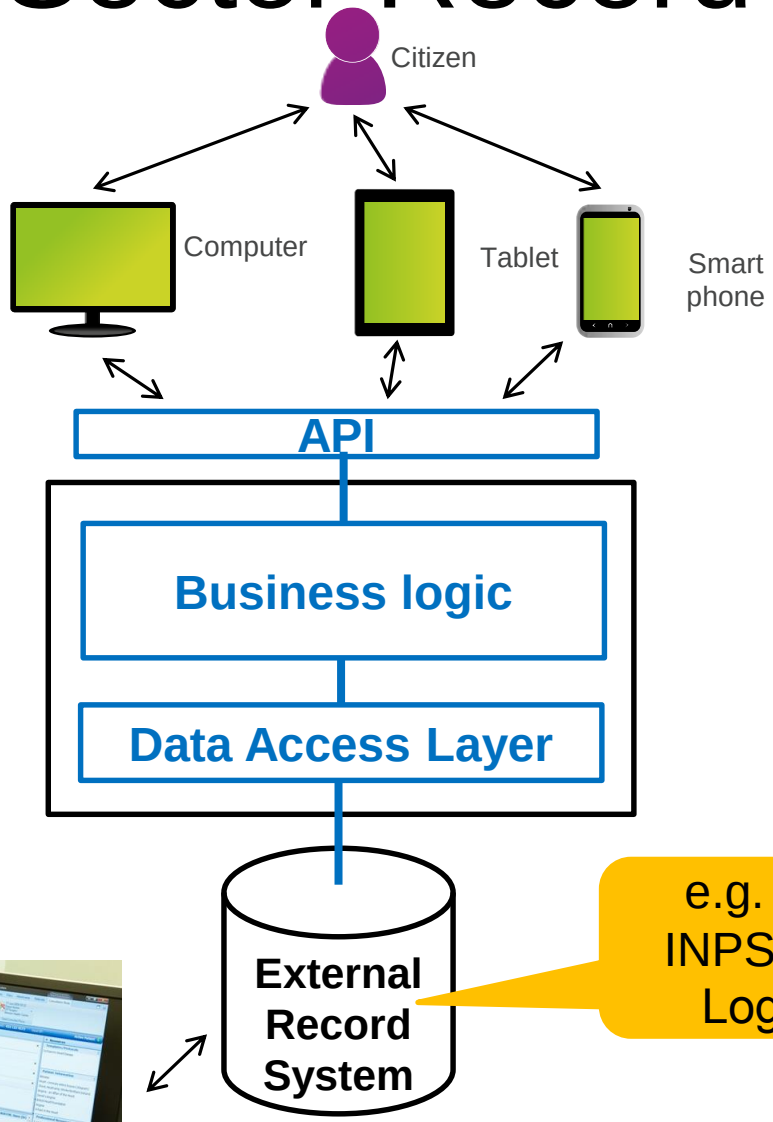
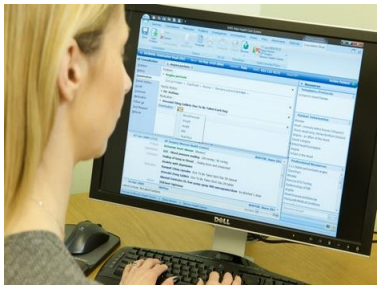
Statutory Sector Record System





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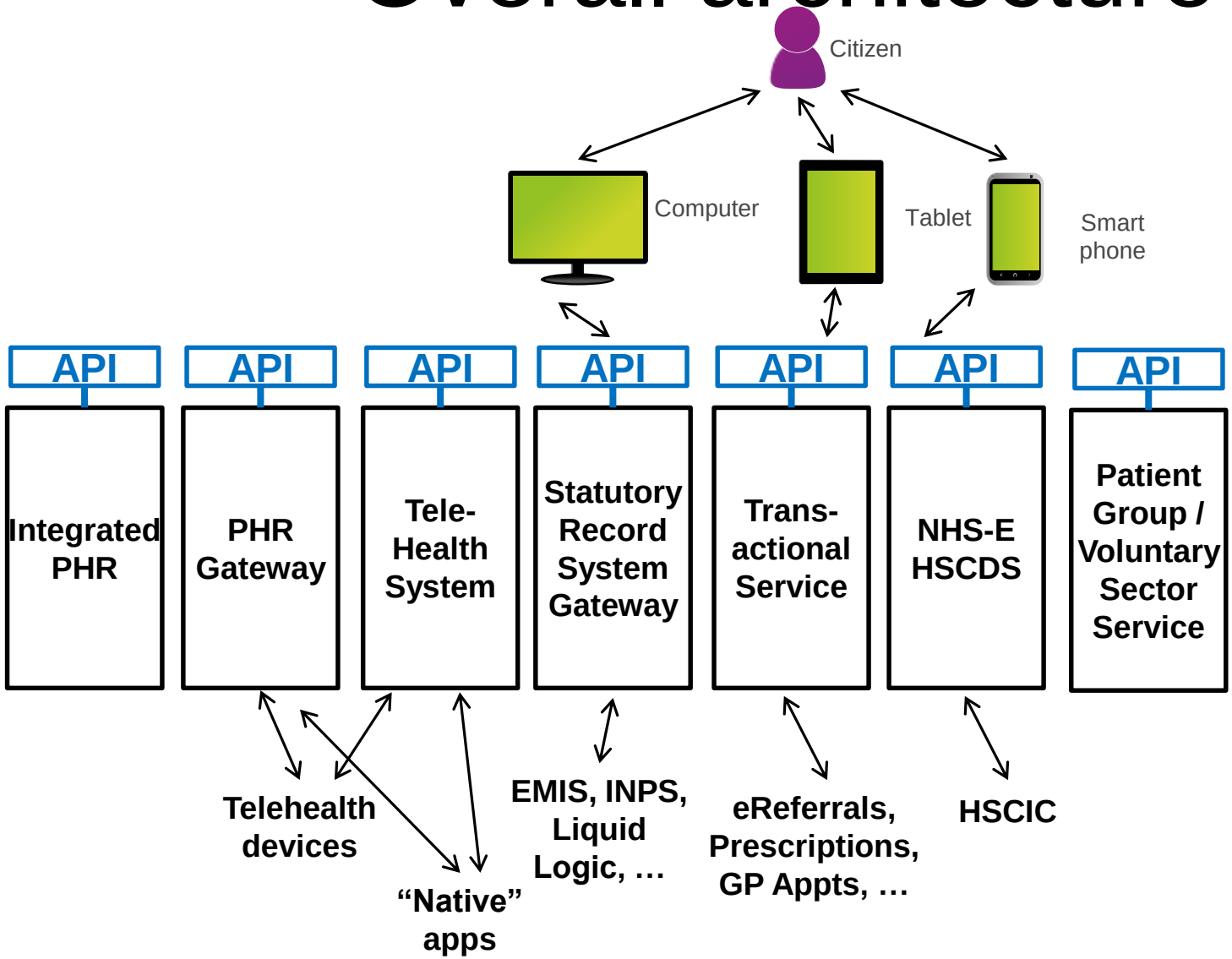
Overall architecture



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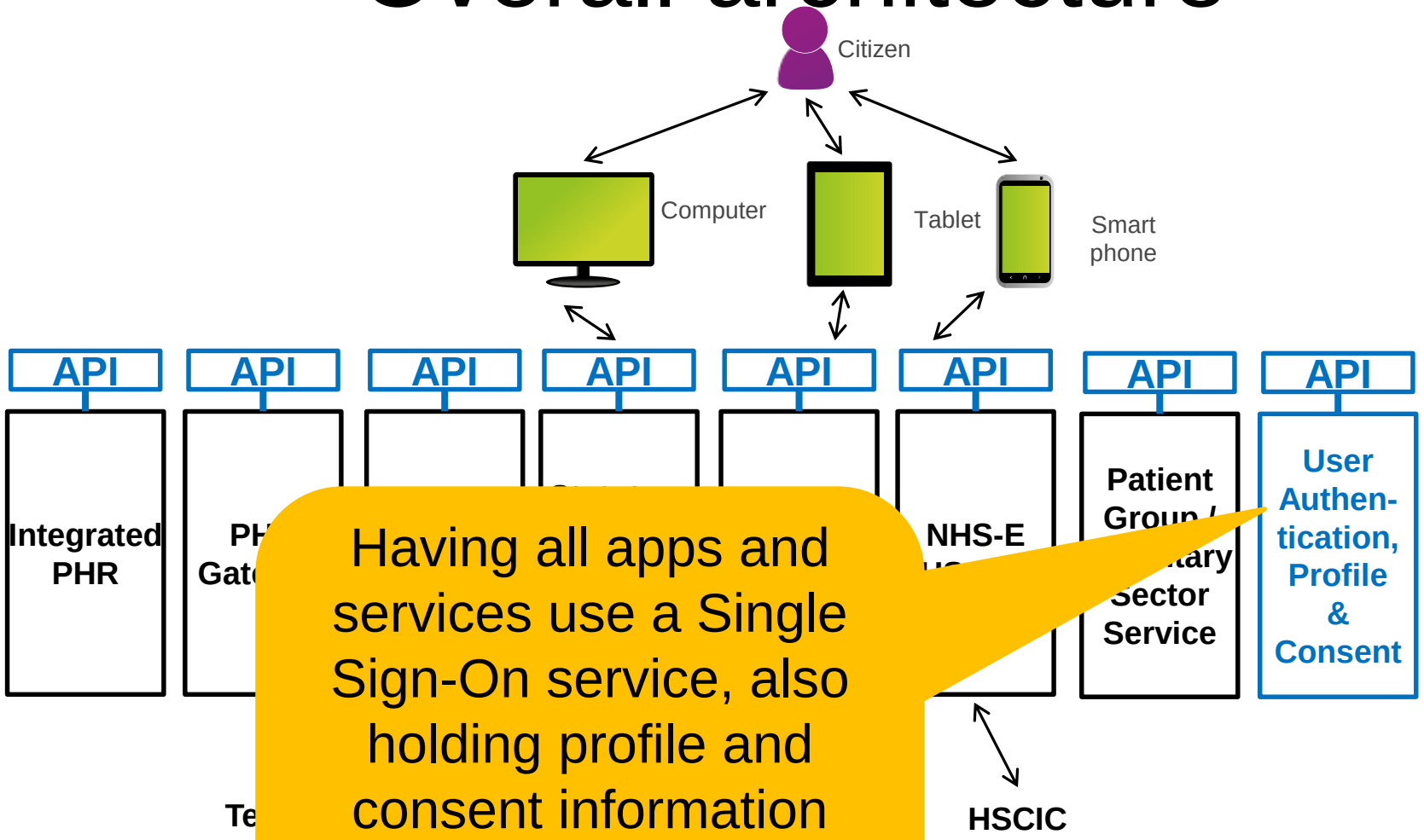

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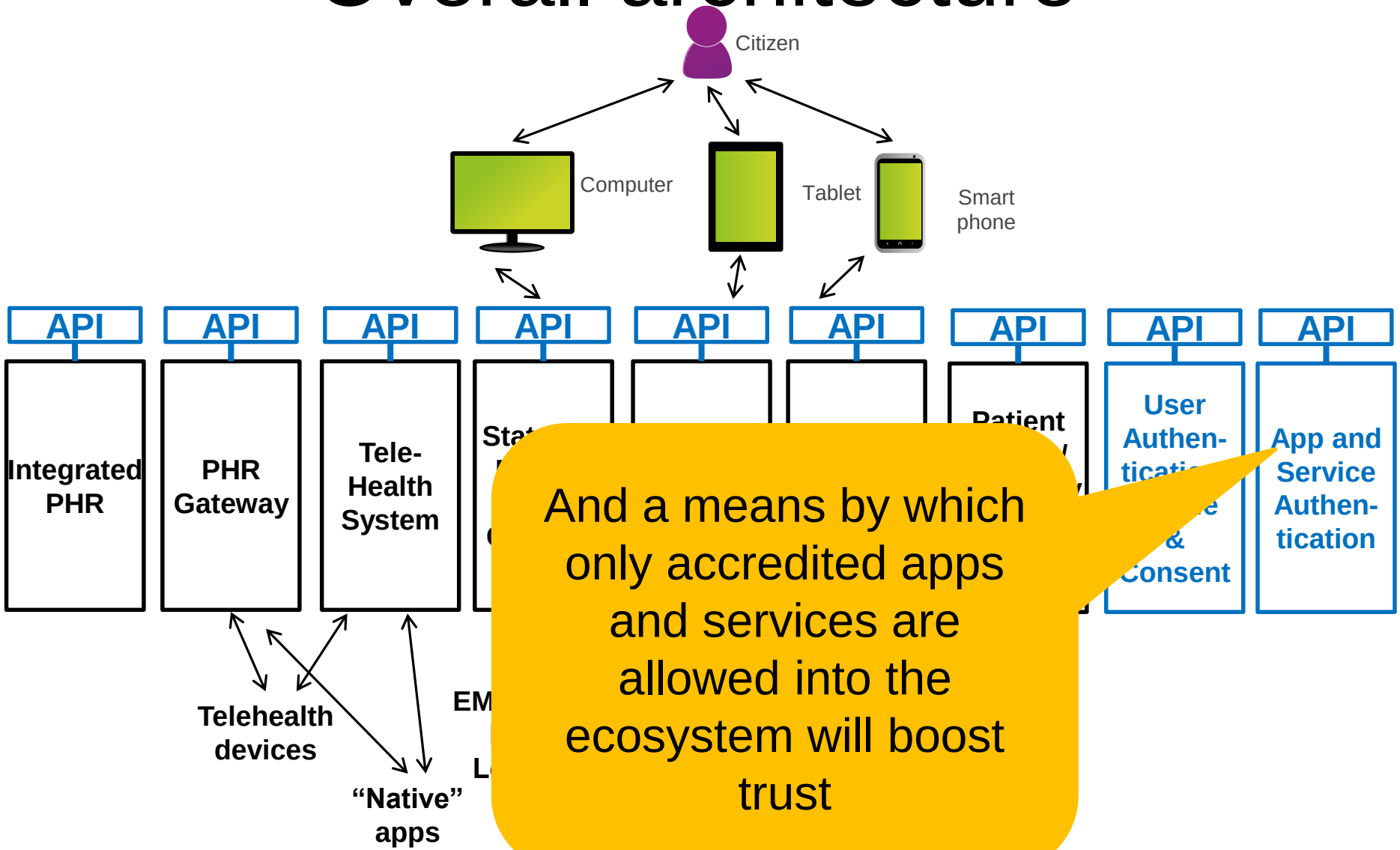

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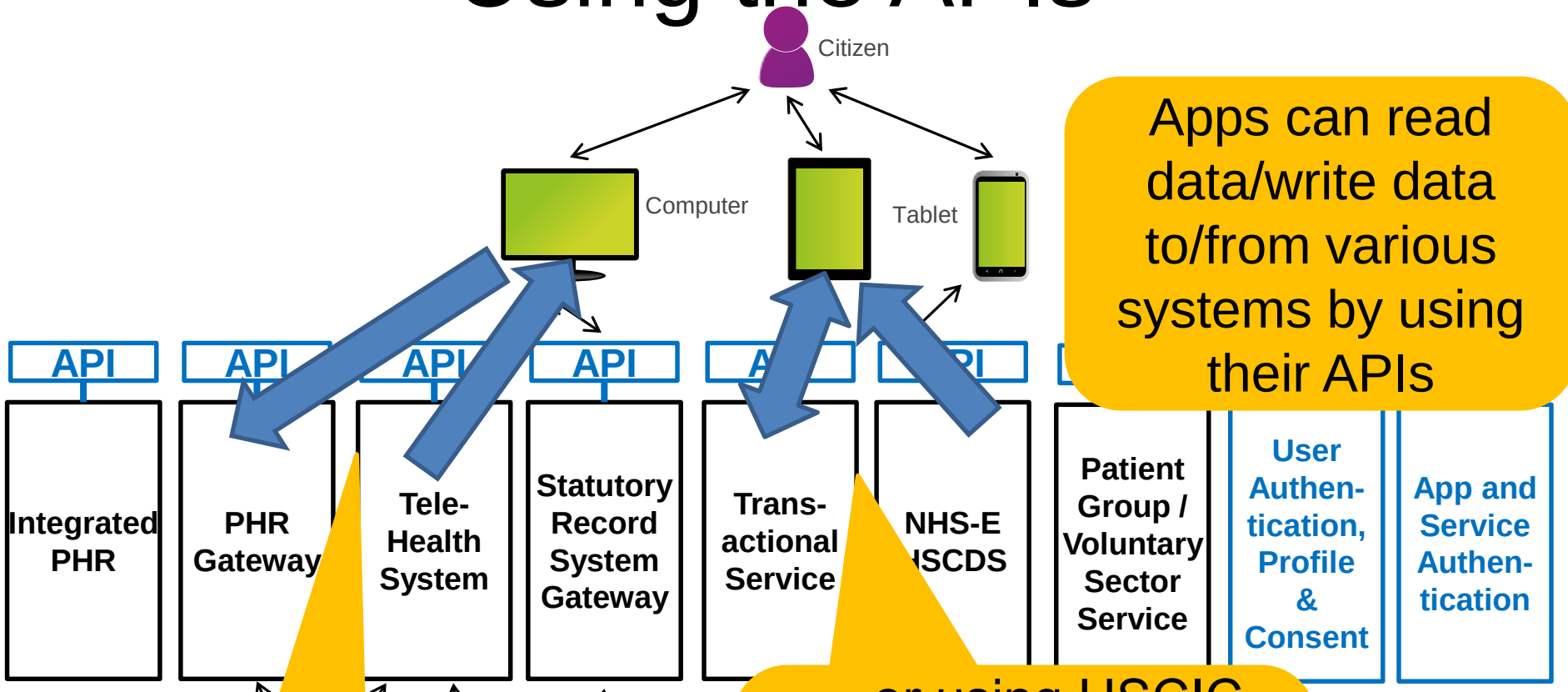
Using the APIs



Apps can read data/write data to/from various systems by using their APIs

e.g. writing data from telehealth system into a PHR …

… or using HSCIC stats to help decide with which hospital/ consultant to book a referral

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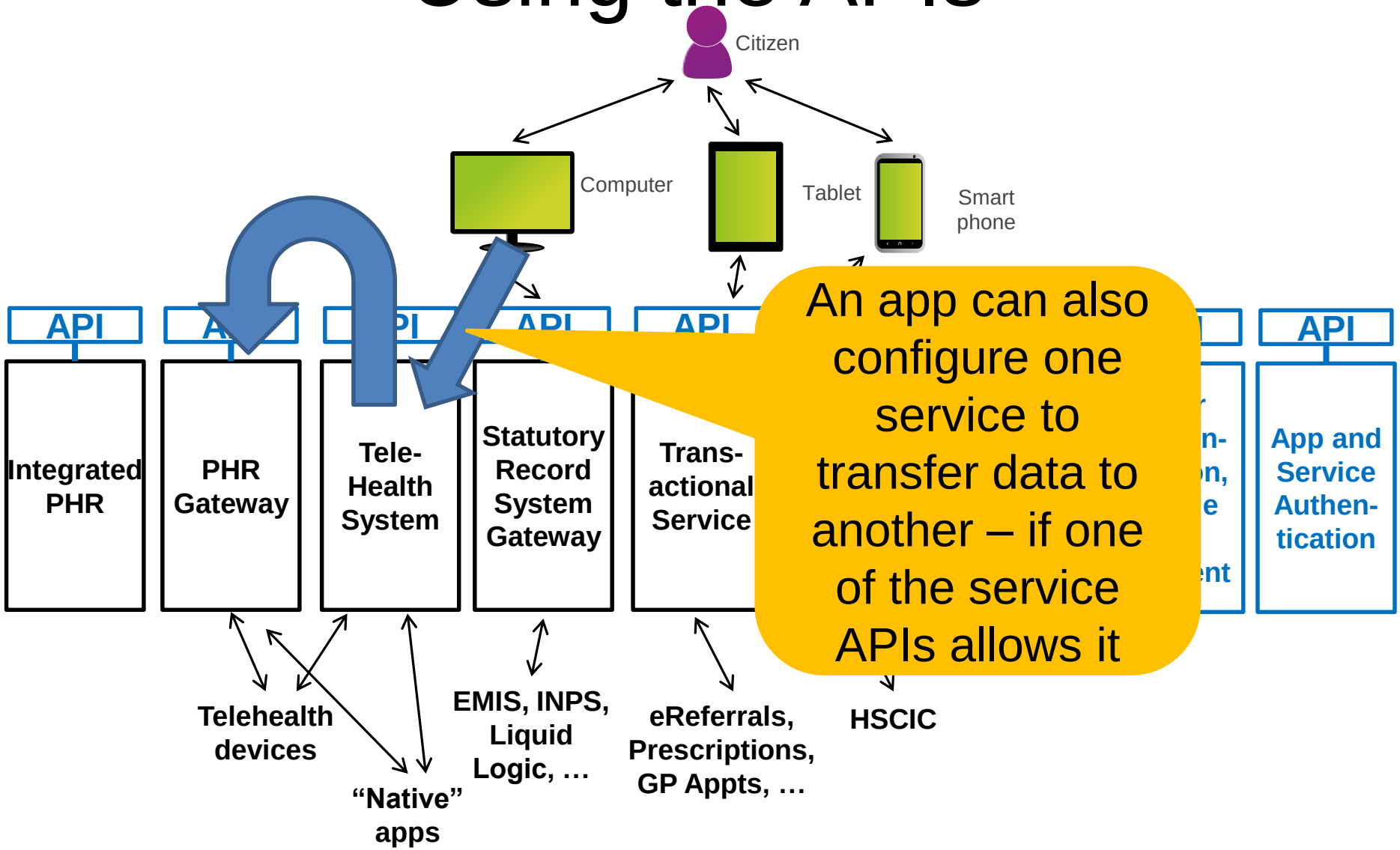
Using the APIs



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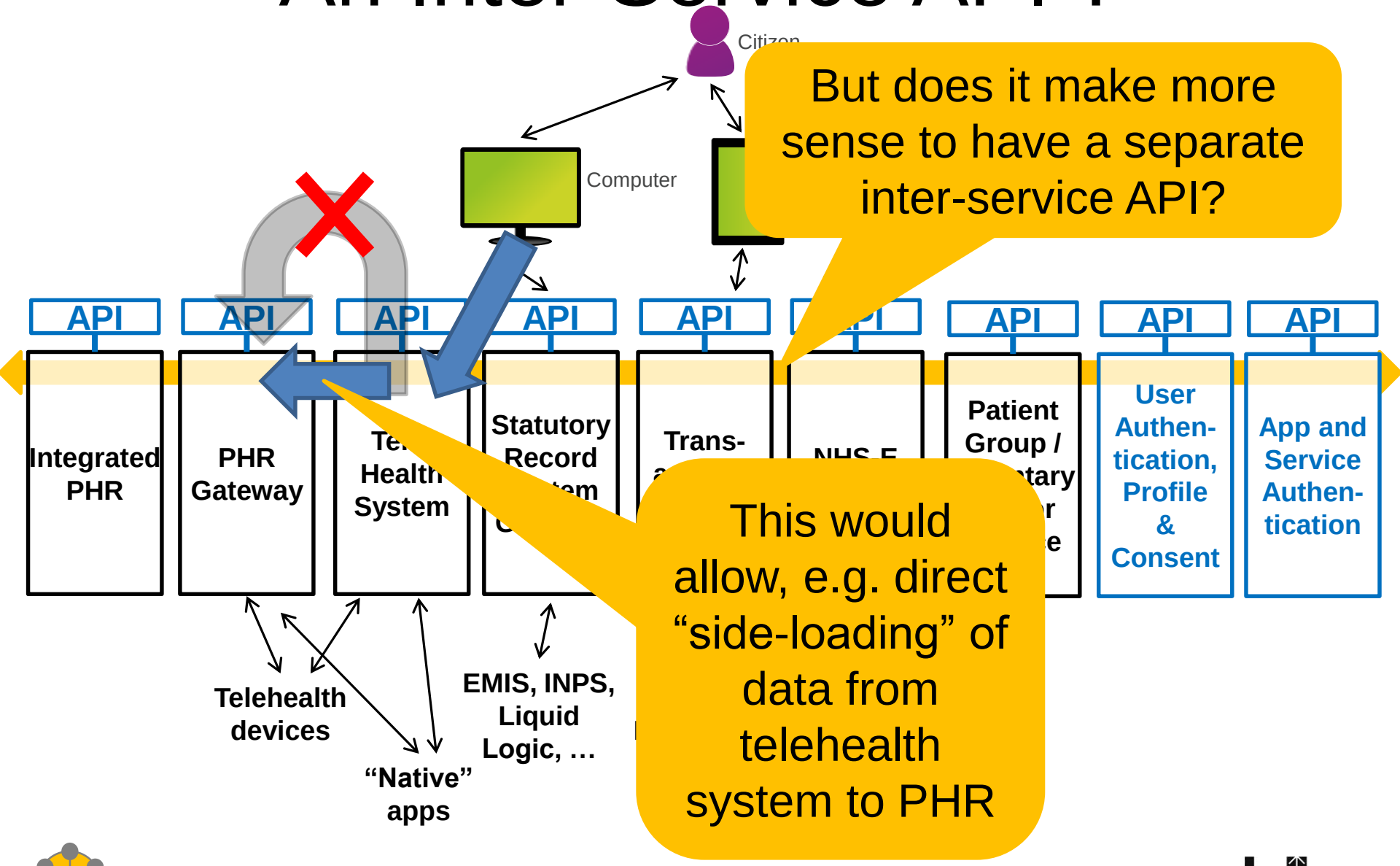
An Inter-Service API ?



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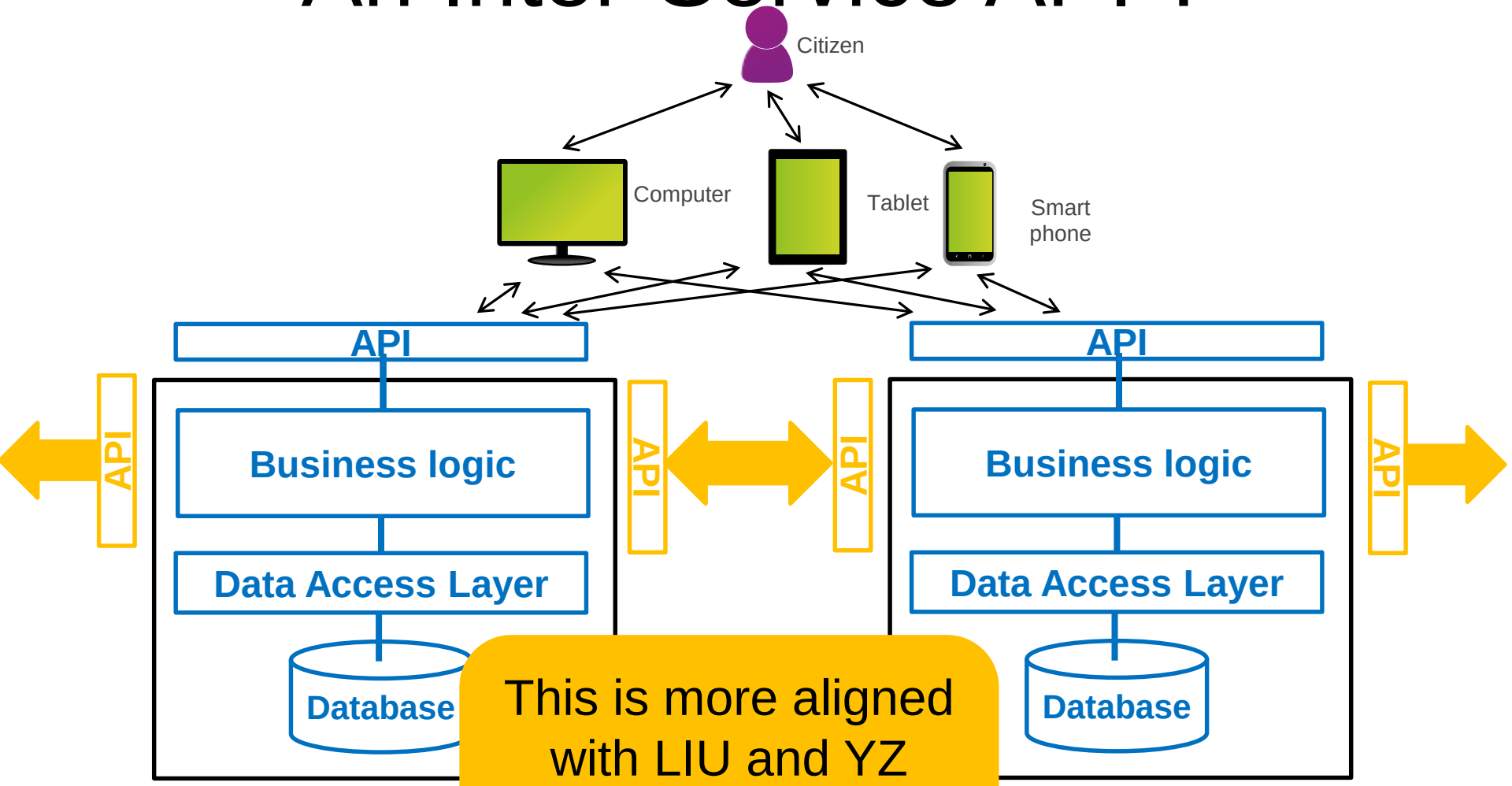
An Inter-Service API ?



This is more aligned with LIU and YZ architectures, but less aligned with Mi

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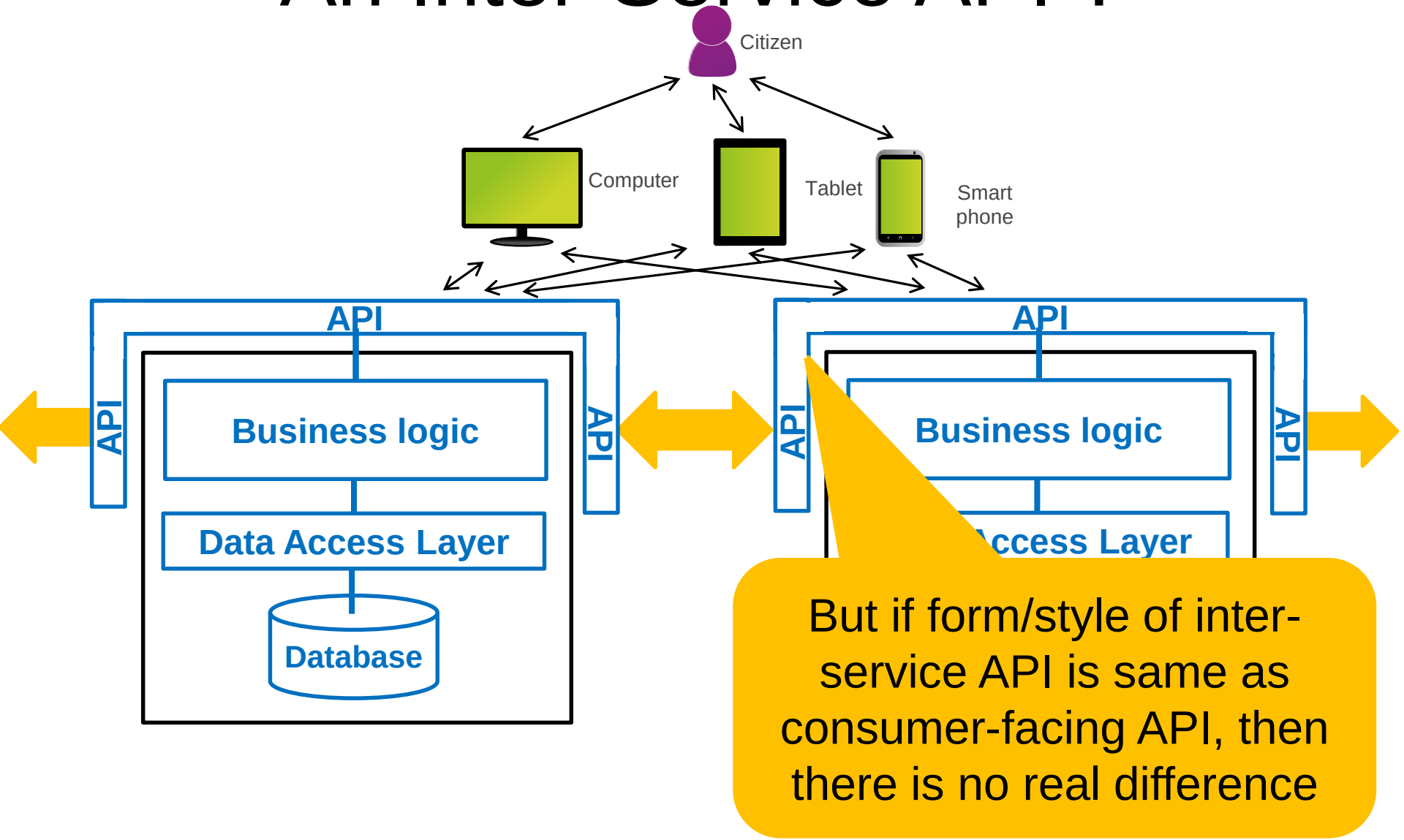
An Inter-Service API ?



But if form/style of inter-service API is same as consumer-facing API, then there is no real difference

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Proposed *i-focus* work areas

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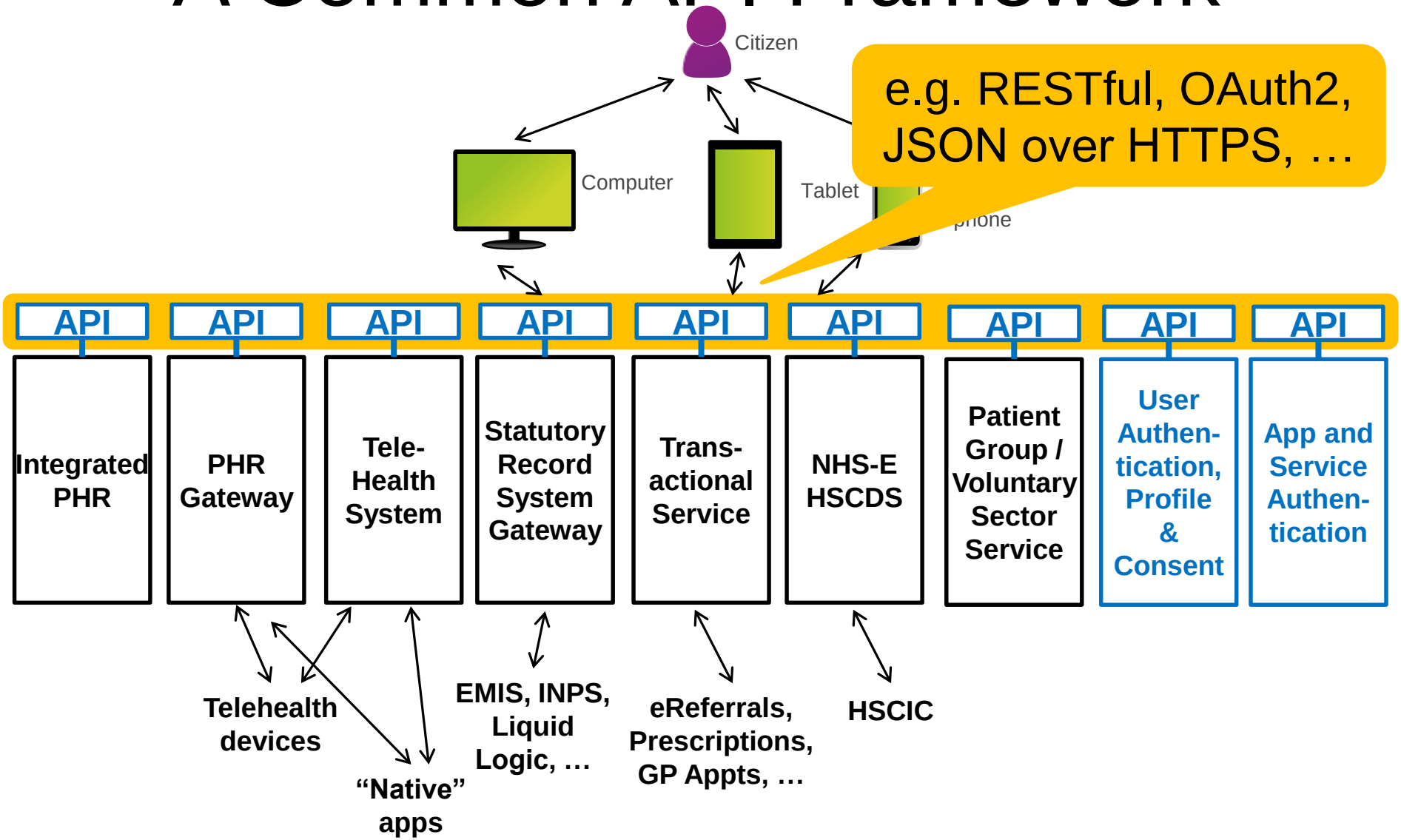
A Common API Framework



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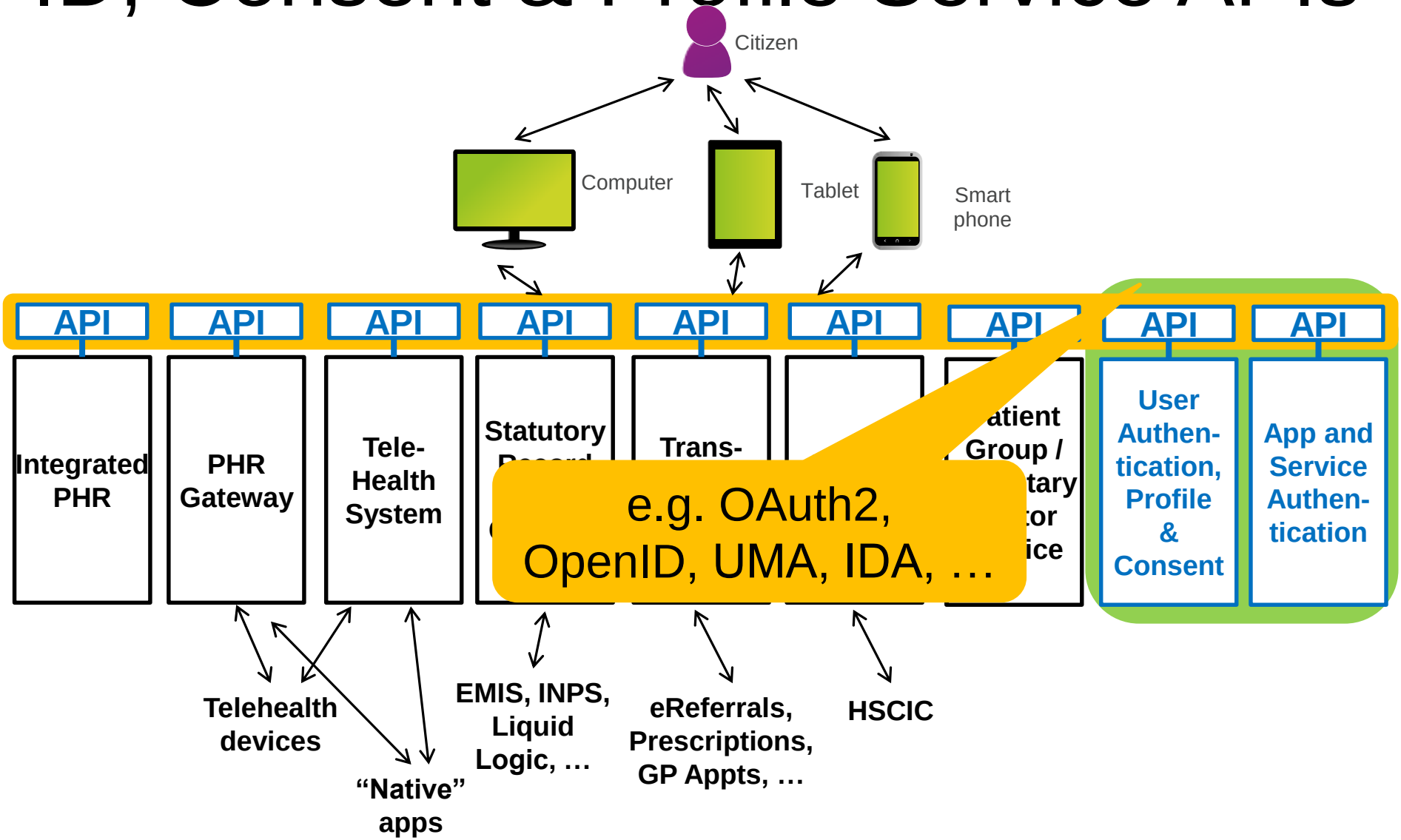
ID, Consent & Profile Service APIs



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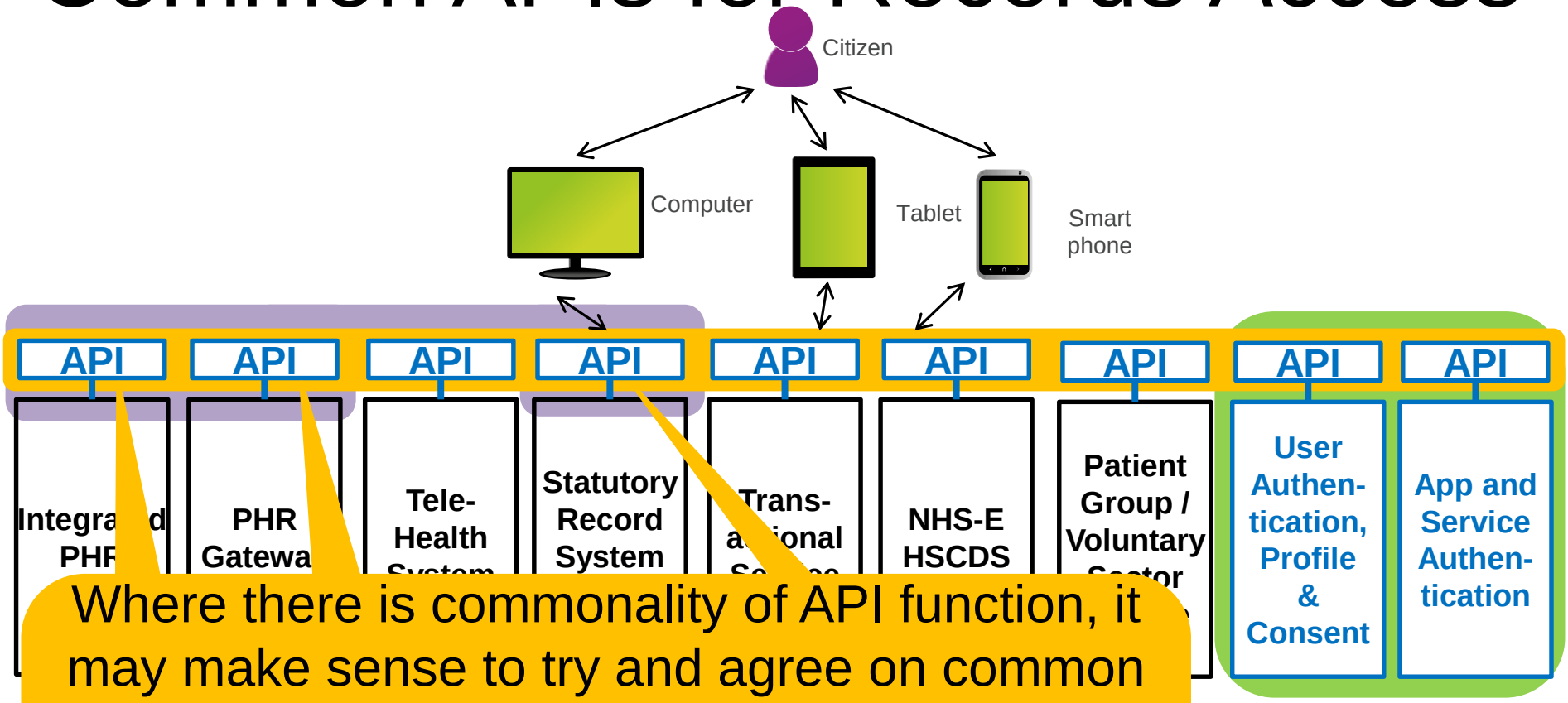
Common APIs for Records Access



Where there is commonality of API function, it may make sense to try and agree on common API

e.g. FHIR for records access

…but must be careful not to stifle innovation

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Proposed *i-focus* work areas

- A common API framework for *dallas*
  - that communities should work towards implementing
- ID, Consent and Profile Service APIs
  - that communities should work towards implementing
- Common APIs for Records Access
  - that communities should consider implementing

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The End

Questions? Comments?

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