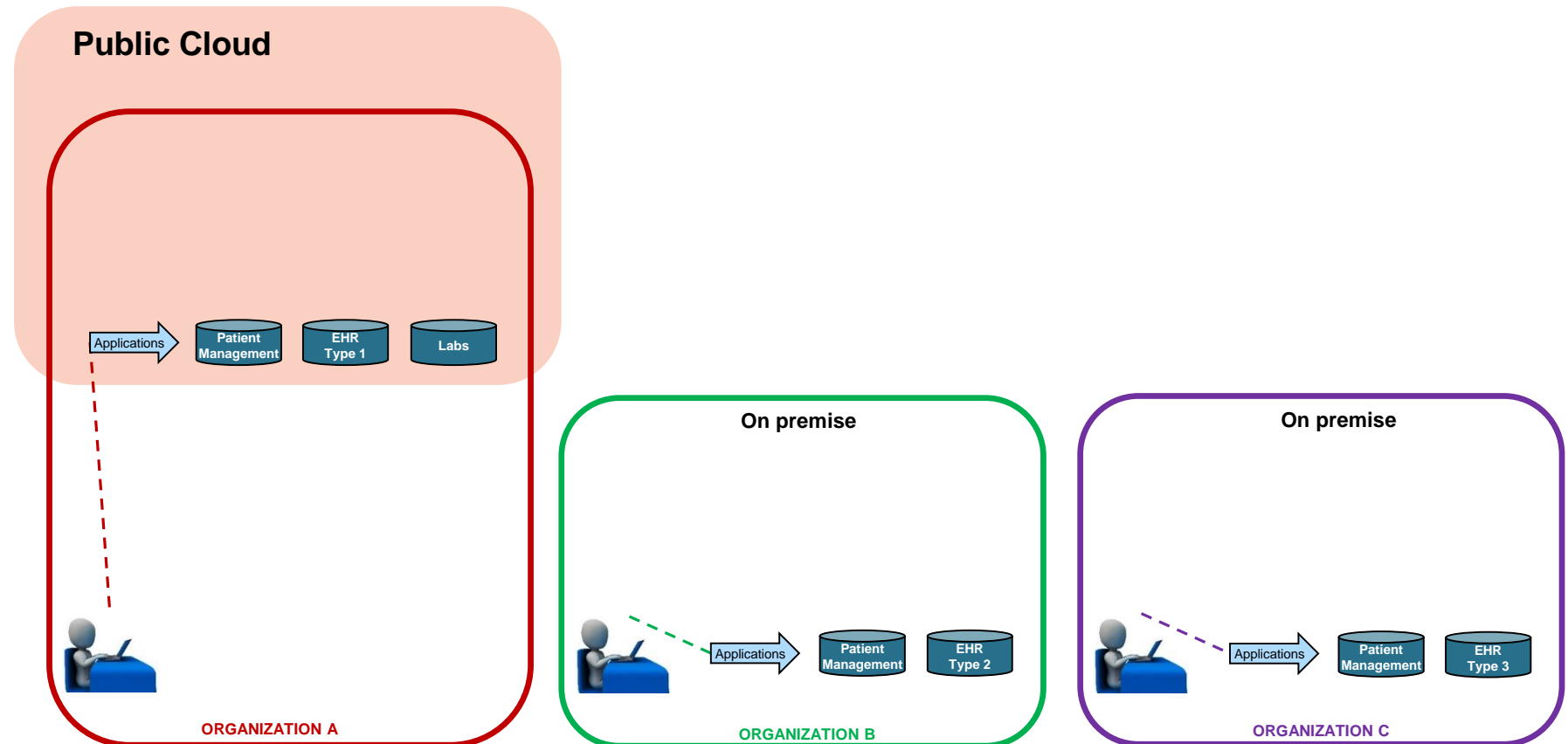# WhamTech SmartData Fabric™ Use Case

Multi-organization, multi-data source, multi-data type, multi-location, Hybrid Cloud
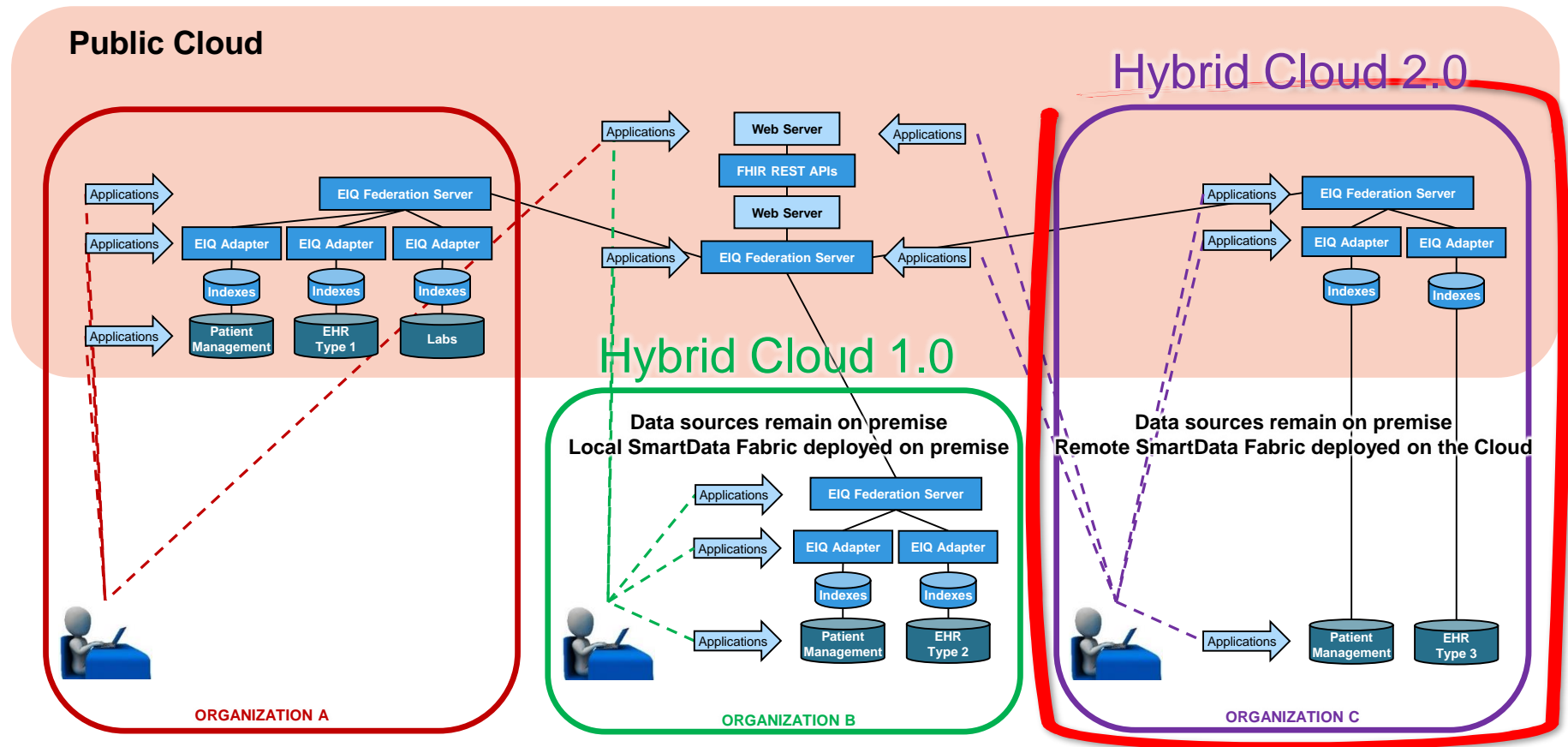
May 2018

Initial Siloed Status

- **No direct visibility into other data sources or other organizations**
- **Manual integration, if any, using spreadsheets or paper files**
- **Paper/electronic exchange of data on request**
- **Difficult to ensure all information available**
- **Difficult to ID some patients**
- **Time and cost delays, and confusion leading to patient and healthcare provider frustration and dissatisfaction**
- **No write-back to data sources**

Public Cloud

Applications → Patient Management | EHR Type 1 | Labs

ORGANIZATION A

On premise

Applications → Patient Management | EHR Type 2

ORGANIZATION B

On premise

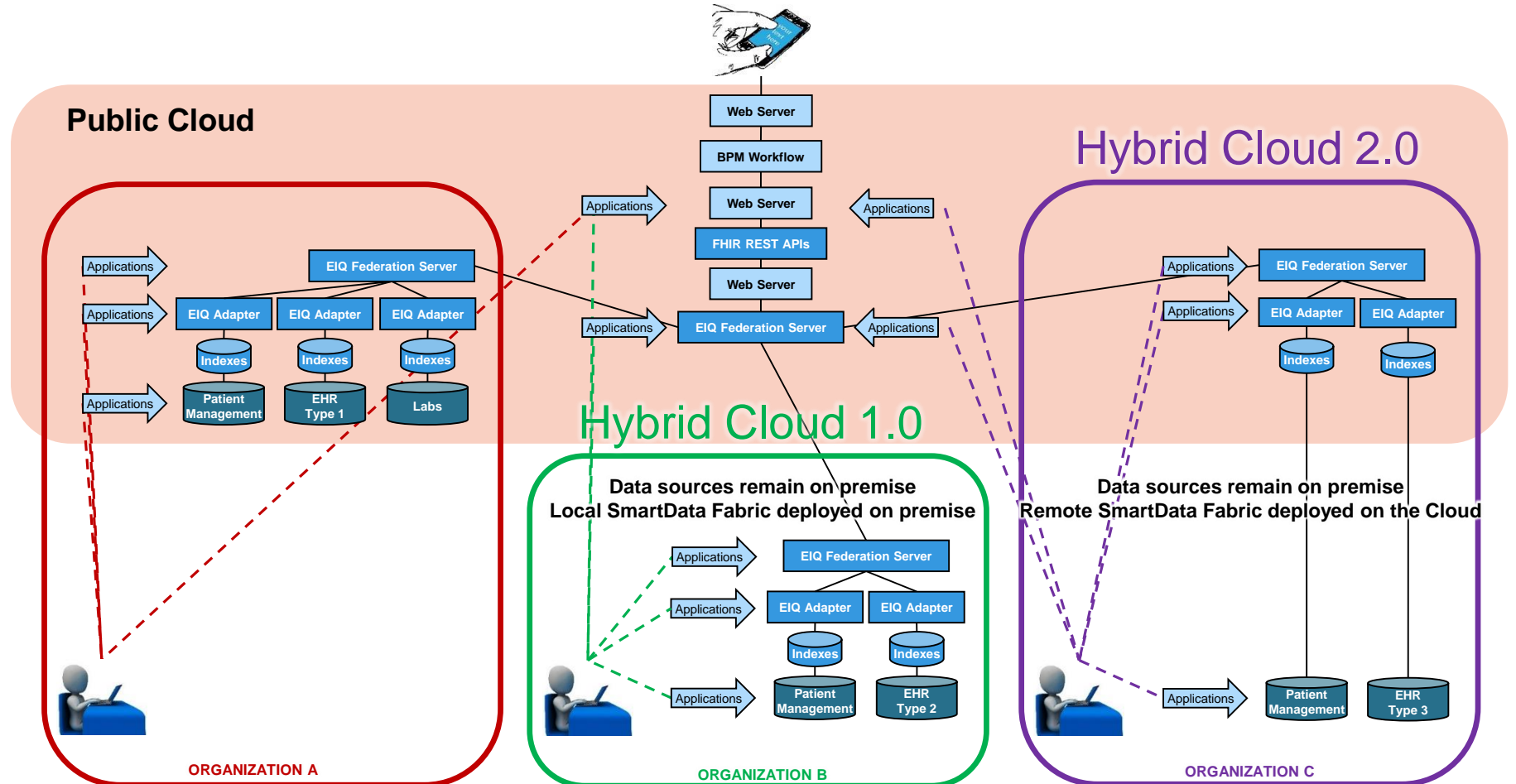Applications → Patient Management | EHR Type 3

ORGANIZATION C

Virtual Single Patient 360 View across all data sources

- **Single Patient 360 View across all data sources, regardless of their type, location and data – seamless and automatic integration through FHIR REST APIs**
- **Hybrid Cloud solution - data sources remain where they are – most on premise, some in the Cloud**
- **FHIR standard data views and APIs through EIQ Adapters and EIQ Federation Servers**
- **Multiple application access levels – (a) direct local, as before, (b) through individual EIQ Adapters, (c) organization EIQ Federation Servers, (d) cross-organization EIQ Federation Server and (e) cross-organization FHIR REST APIs as data services**
- **All SmartData Fabric EIQ Products managed as services through the Cloud or remotely for Organization B**

Smartphone CRM app invoking new BPM-based workflows with write-back to legacy systems through standard APIs/data services

- **Patient-centric smartphone app interacts with legacy data sources through new workflows developed and orchestrated by BPM software**
- **BPM workflows interact with data source through standard FHIR REST APIs provided as data services**
- **BPM workflows both read and write back to legacy data sources**

The End