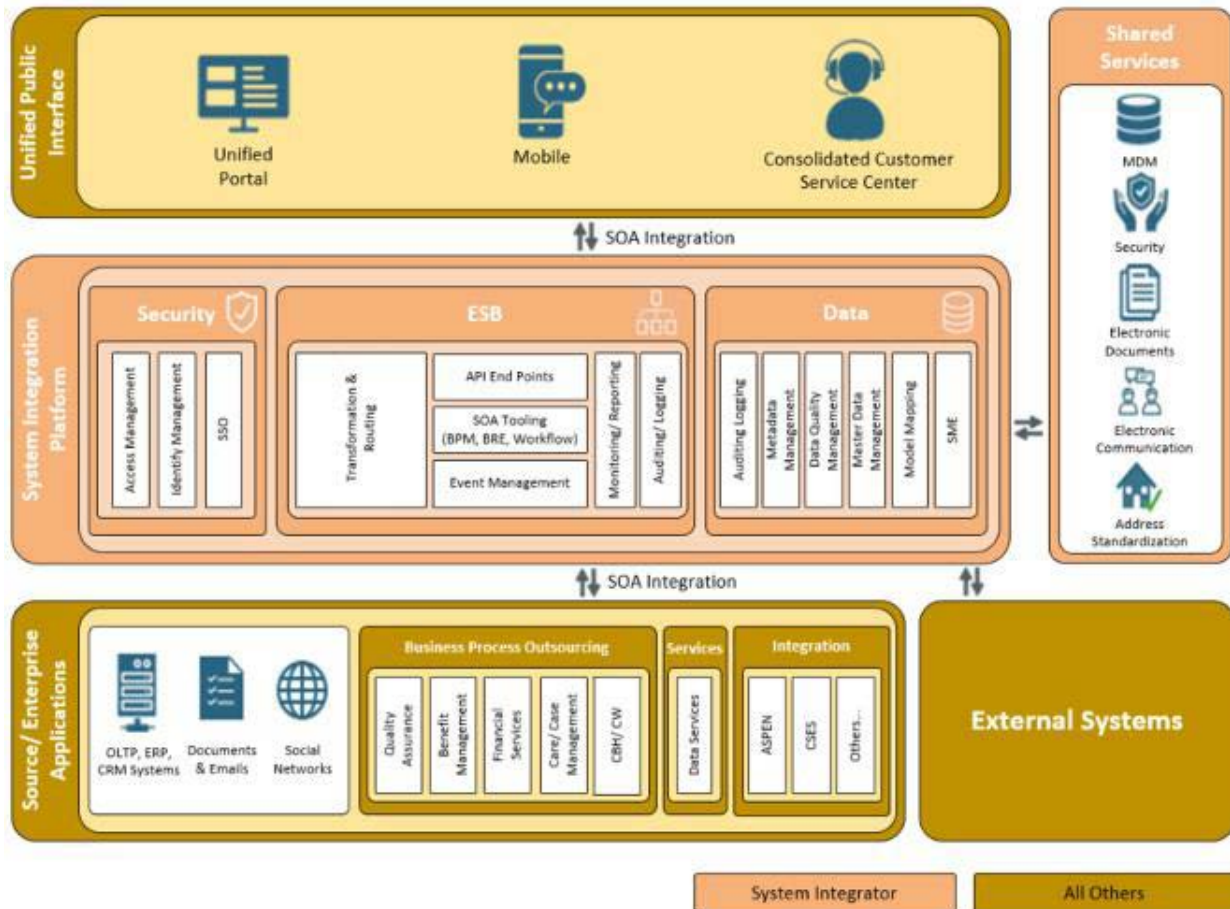


The HHS IT Enterprise Project’s system footprint diagram included below in the figure has been developed to depict the technical view of the Enterprise solution.

Figure - HHS IT System Footprint (as of July 2022)



In the Figure above, the top layer is the UPI (shown in the tan color rectangle) and represents all customer-facing business functions and communication channels – the Unified Portal, mobile, and the Consolidated Customer Service Center. This UPI interface layer is integrated via service-oriented architecture to the System Integration Platform.

The middle layer is the System Integration Platform (shown in a peach color rectangle) which encompasses all security, enterprise service bus (ESB) and data functions necessary for the integration platform. The security implementation includes identity, credential, and access management (ICAM) and federated single sign-on features. The ESB is the middleware tool used to exchange data among connected Modules and Departments / Divisions and provides a uniform means of exchanging data, offering Modules and Departments / Divisions the ability to connect to the ESB and subscribe to messages based on simple structural and business policy rules which supports all modular interactions. Last is the data platform, upon which all integrated data is made visible and securely supplied to all interested Departments / Divisions.

The System Integration vendor is also responsible for implementing the Enterprise shared services which are represented in the peach color vertical rectangle on the right-hand side. The enterprise shared services are built on a common infrastructure leveraging enterprise assets to offer common business functions like electronic content management (ECM), communications content management (CCM), and the business utility functions such as Address Standardization, Validation (ASV) and access to the MDM indexes, which consist of a mastered view of enterprise data. These SI Platform components interact with end users via the collective user interfaces in a device-neutral way by facilitating an SOA integration with ESB and other modules/systems.

The bottom layer includes the Business Processing Outsourcing (BPO) systems and services offered by the Modules and the integration points with other Departments / Divisions systems as well as external systems. The Automated System Program and Eligibility Network (ASPEN) and Child Support Enforcement System (CSES) systems as well as the BPO modules like Quality Assurance, Financial Services, and others will be attached to the ESB through SOA integration and can talk to each other. DS will provide Business Intelligence (BI), Analytics and Reporting services for the enterprise, integrated through the SI platform. The external systems, which may include other State Departments / Divisions, federal agency systems as well as third party vendor systems are represented in the tan square labeled "External Systems" and will connect to the SI Platform through different synchronous or asynchronous communication mechanisms and can transact to offer and consume services, as needed.