



Office of Information Management & Technology (OIMT)

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FDA Public Health Mission

GLOBAL MISSION

The United States Food and Drug Administration (FDA) is a science-based Federal Regulatory Agency responsible for protecting and promoting public health through the regulation and supervision of food safety, tobacco products, dietary supplements, prescription and over-the-counter pharmaceutical drugs (medications), vaccines, biopharmaceuticals, blood transfusions, medical devices, electromagnetic radiation emitting devices, and veterinary products.

FDA IT supports 10 different business missions within our family of Centers and Offices

It is estimated that more the 25% of the nation's gross domestic product is regulated by the FDA. Those regulated products are submitted, reviewed, coordinated, supported and approved through our information technology systems and data repositories

FDA Scope Fast Facts

Science-Based Regulatory Agency
Organized by Product Area
Field Offices and Laboratories
locations worldwide.
Approximately 22000 Employees
and more than 546 systems and
applications.



FDA IT Acquisitions

GOAL

FDA IT Acquisitions Goal: To optimize IT acquisition spend, identify and execute on opportunities to perform strategic sourcing and category management, and continue to leverage Best In Class vehicles.

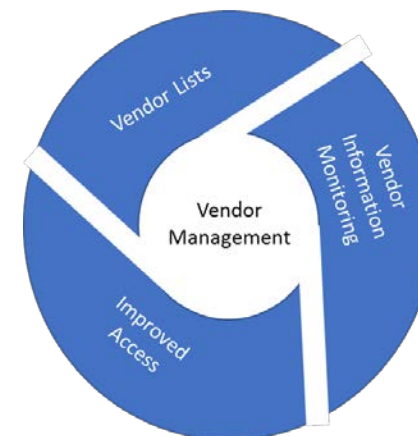
- Presently working to drive acquisition improvements through data gathering and contract analysis.
- Help FDA make better decisions about how to best contract to meet the mission and IT Strategic Plan. Strategic Plan available on www.fda.hhs.gov



FDA IT Acquisitions

FY18 and Beyond

- Mature vendor management practices including SLA's in major contracts
- De-fragment the vendor landscape and centralize contract vehicle to increase purchasing power
 - Approximately \$250-300M in IT spend per fiscal year.
 - Awarded approximately 500 contracts last fiscal year.
 - Includes: Infrastructure, Application Development, Professional Services, Hardware, Software, Training, etc.
 - IT is purchased by OIMT and by the various FDA Centers.
Above amount does not include Center spend.



FDA IT Acquisitions

Opportunities

FDA Data Center contract expires in March 2019

Request for Information conducted

Expect to leverage a Best In Class vehicle over the summer

FDA recently conducted an RFI for Engineering and Innovation

Responses being reviewed and preparing RFP

RFP expected over the summer



FDA IT Acquisitions

Market Research

- FDA/OO/OIMT does not conduct vendor meetings unless performing market research.
- Vendors interested in submitting their information can email OIMTTechnologyOutreach@fda.hhs.gov. Please fill out the survey provided as an auto-response.
- No OIMT Technology and Outreach Day scheduled for 2018.



Cloud will be a larger part of the FDA IT Roadmap

Why Cloud?

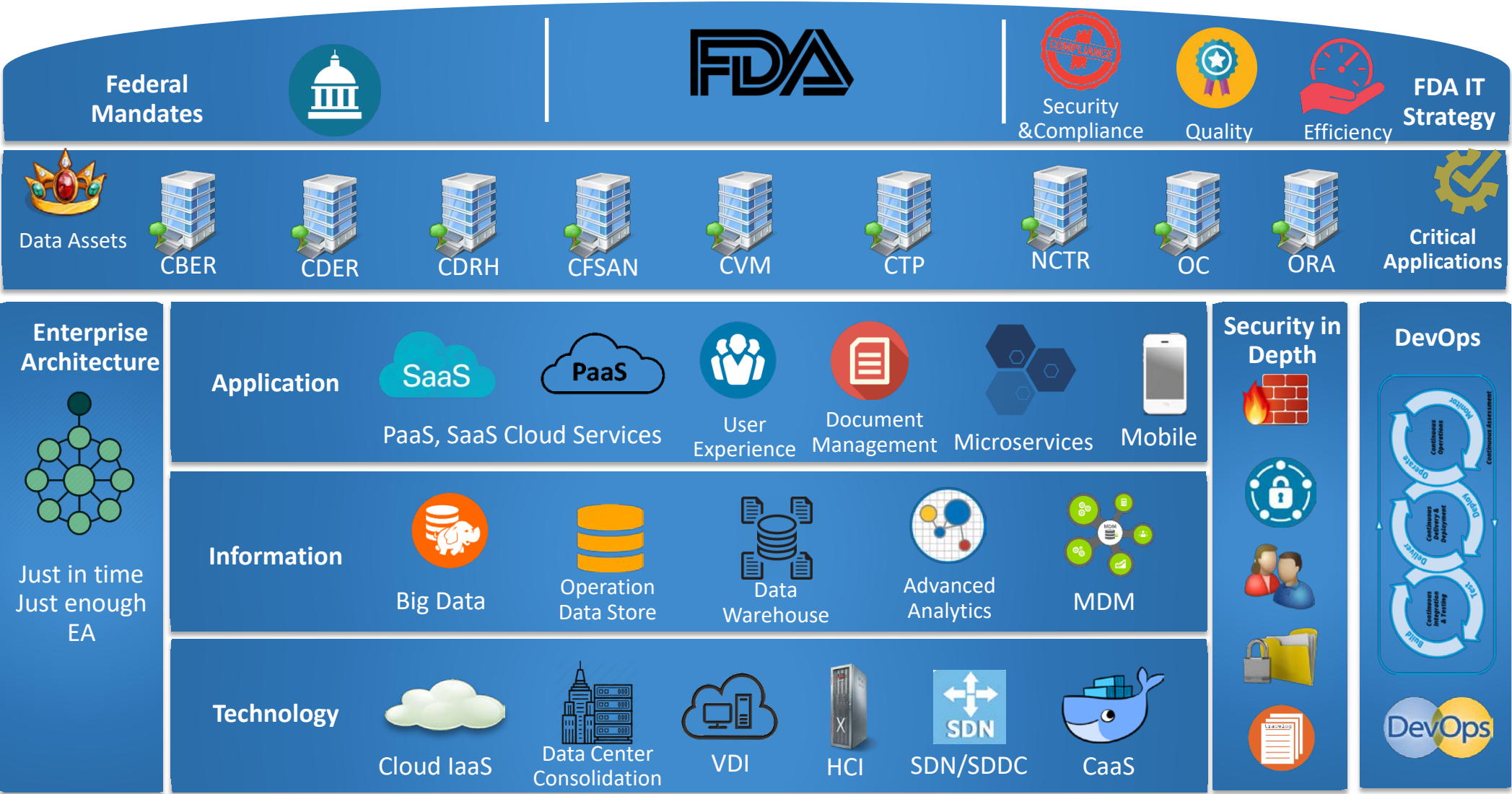
Increased efficiency, security, and savings

HHS & OMB compliance

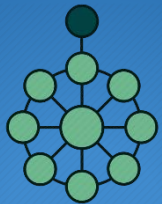
- Trusted, self-service driven, faster deployment, and cost-efficient enterprise services
- Vision and strategy — a multi-cloud shared services platform compliant with FedRAMP and FDA security requirements
- Leverage for redundancy and DR



Enterprise Architecture



Enterprise Architecture



Just in time
Just enough
EA

Application

SaaS, PaaS Cloud Services, User Experience, Document Management, Microservices, Mobile

Information

Big Data, Operation Data Store, Data Warehouse, Advanced Analytics, MDM

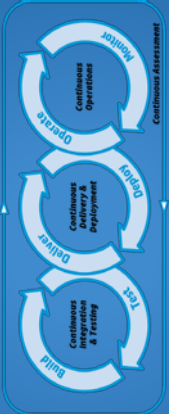
Technology

Cloud IaaS, Data Center Consolidation, VDI, HCI, SDN/SDCC, CaaS

Security in Depth

Security icons: brick wall, padlock, shield, folder, document.

DevOps



2018, 2019, 2020 IT Initiatives

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| <ul style="list-style-type: none"> ✓ FDA Cloud Email ✓ Expanded internal and external collaboration ✓ Data Center stabilization ✓ Cloud security enhancement ✓ Mobile security, Mobile Device Management ✓ Enterprise Disaster Recovery ✓ Mobile Development Framework ✓ New Technology Exploration ✓ Design Thinking & Collaboration | <ul style="list-style-type: none"> ✓ Just-in-time enterprise architecture practice ✓ TIC network upgrade ✓ Internet 2 Connectivity & Use ✓ Network Upgrades & SDN ✓ Data Center Evolution / Modernization ✓ Mobile Enablement of FDA critical systems ✓ Enterprise Encryption ✓ Digital Right Management ✓ Advanced & Scientific Computing/HPC ✓ FDA Trusted Cloud Platforms (architecture, solution, migration planning, operation management, governance. and cloud service expansion) | <ul style="list-style-type: none"> ✓ Data Center Consolidation ✓ HHS OpDivs collaboration leveraging Office 365 ✓ Virtual Desktop Infrastructure ✓ Application Streaming/Virtualization ✓ Container as a Service (CaaS) ✓ Microservices ✓ Multi-cloud management ✓ Cloud DevOps, Mobile DevOps ✓ Smart Monitoring ✓ Master Data Management |
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Technology Enablement

Trusted Cloud Platform	Disaster Recovery	Software Defined Data Center	Virtual Desktop Infrastructure	Mobile Enhancement	Network Upgrade	Container as a Service	Hyper Convergence Infrastructure	Email as a Service



U.S. FOOD & DRUG
ADMINISTRATION