



BUSINESS
APPLICATIONS
SOLUTION

One Commerce

Business Applications Solution (BAS) Program Table Talk

**UNITED STATES DEPARTMENT OF COMMERCE
OFFICE OF FINANCIAL MANAGEMENT**



AGENDA



BUSINESS
APPLICATIONS
SOLUTION

One Commerce

01

Software as a Service

02

Hosting Platform

03

Security

04

Getting Involved

Expected
Structure.
Unexpected
Flexibility.



BAS PROGRAM TABLE TALK

PRESENTERS



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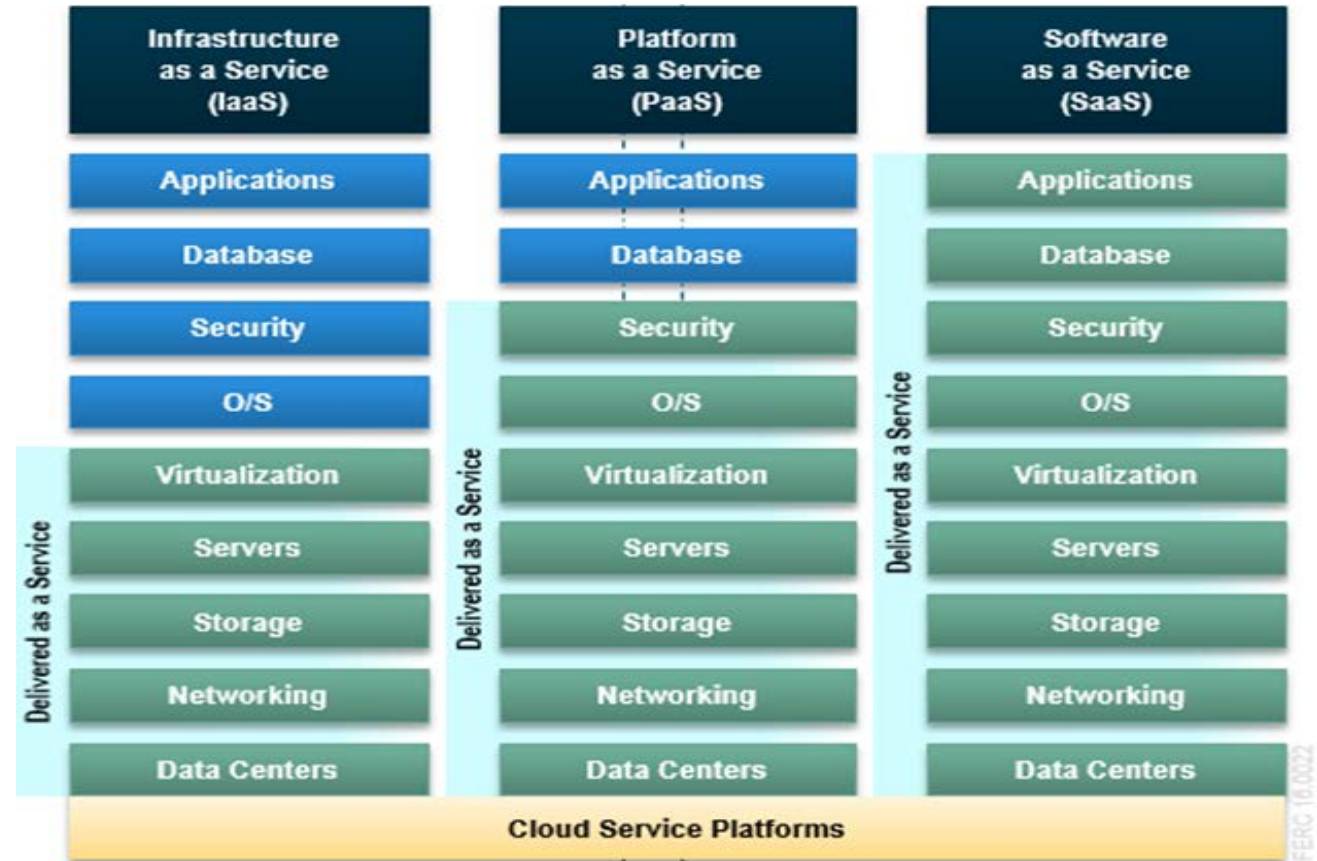
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DIFFERENCES BETWEEN IAAS, PAAS, AND SAAS



Cloud Computing Service Models

- **Infrastructure as a Service (IaaS)** - Most basic cloud service model. Providers offer infrastructure services - compute services (physical or virtual), networks, storage and firewall.
- **Platform as a Service (PaaS)** - Providers offer a computing platform, which includes the IaaS model along with the operating systems, web servers, and security services.
- **SaaS** - Most comprehensive cloud service model. Providers offer all the aspects included in the PaaS platform, in addition to installation and management of application software.



- Delivered as a Service
- Managed by the Purchaser

SaaS
Platform
Security



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COMMERCE BENEFITS OF SAAS



Flexibility

Ability to rapidly scale infrastructure to meet changing business needs

Access to latest technology to allow for continuous innovation

Reduce Risks

Federal Risk and Authorization Management Program (FedRAMP) compliant systems

State of the art data centers

Automation and scheduled upgrades

Shorter deployment timelines for new features

Reliability

Always on latest version of software

Managed Service with operation teams monitoring system for system performance and availability

Cost Avoidance

Reduction in on-premise applications to deploy, implement, or manage

Allows for focus on business outcomes versus IT maintenance

SaaS Benefits

SaaS
Platform
Security



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HOSTING PLATFORM MODEL



IaaS Components

PaaS Components

SaaS Components



BAS Solution

- AFS manages BAS Portal (ServiceNow) and BAS Platform
- AFS augments and maintains the PaaS and IaaS components for a standardized solution across Commerce
- AFS and providers jointly perform security services across all BAS components



BAS delivered and maintained at Commerce as SaaS

SaaS
Platform
Security



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SECURITY - ATO AND FEDRAMP



Authorization To Operate (ATO) process - extremely similar for systems leveraging FedRAMP packages – but with several key differences.

- Prior to FedRAMP, government systems requirements for ATO:
 - Review individual service provider packages, develop processes, reports, Interconnection Security Agreement (ISA) / Service Level Agreements (SLAs)
 - Needed for each tenant for all providers
- With FedRAMP, Cloud Service Providers (CSPs) requirements:
 - Standard control implementations and authorizations
 - Authorize Once, Use Many approach

SaaS
Platform
Security

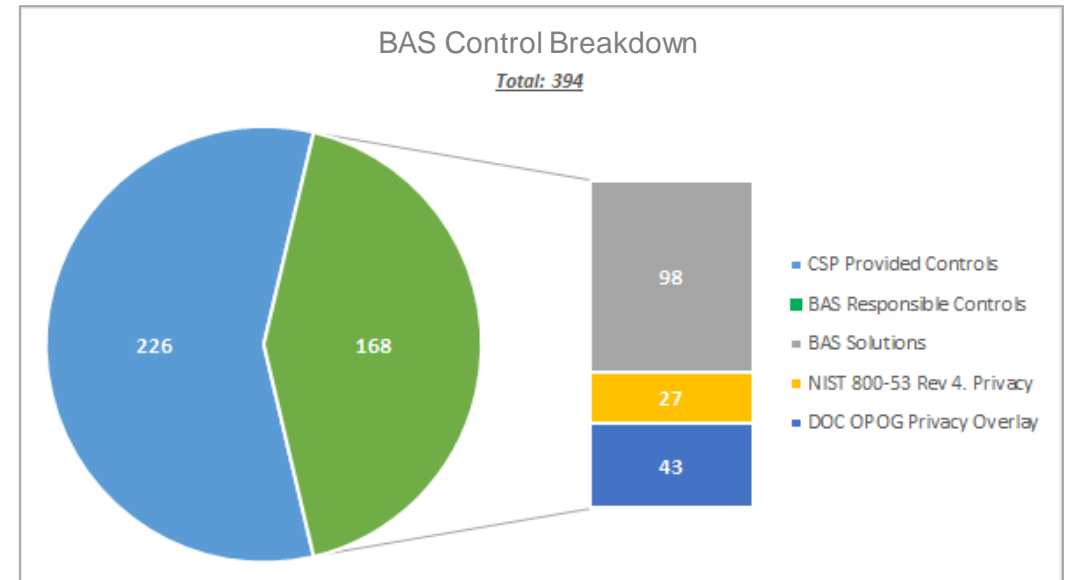


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WHAT THIS MEANS FOR BAS



- FedRAMP Authorized CSPs still provides a high-level assurance to federal systems
 - Reduces amount of controls to implement (IaaS > PaaS > SaaS)
 - Does not eliminate need for the federal ATO process
 - BAS is still responsible, either fully or shared, for the implementation of 168 controls
 - Independently assessed
 - Receives ATO from responsible Department or Agency
- DOC requires all cloud systems be FedRAMP Compliant
- Systems with PII need to comply with the OPOG* Privacy Overlay
- BAS will implement additional controls outside of a normal NIST 800-53 Rev. 4 Moderate control baseline and develop additional processes and requirements



SaaS
Platform
Security

* Office of Privacy and Open Government

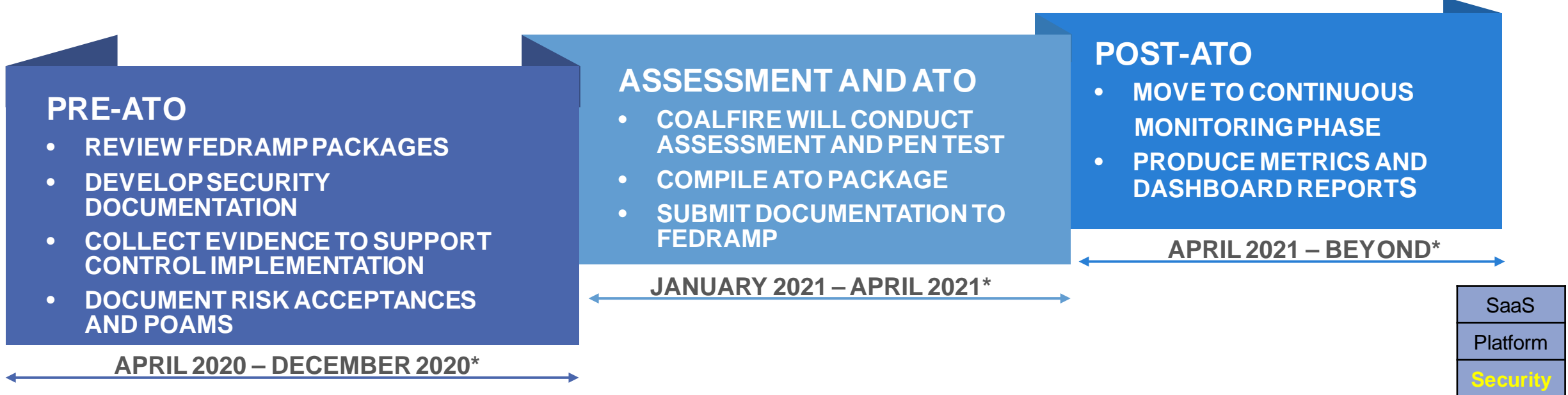


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INITIAL ATO



Solution	FedRAMP Package	Use
Enterprise Data Warehouse / Business Intelligence (EDW/BI)	Accenture Insights Platform (AIP) Platform as a Service (PaaS) [JAB P-ATO]	Enterprise Data Warehouse/Business Intelligence and Ad Hoc Reporting
ServiceNow	ServiceNow Government Community Cloud Software as a Service (SaaS) [JAB- ATO]	BAS ITSM and Future Single Sign-On (SSO) Portal
Xtended Detection and Response (XDR)	Accenture XDR for Government Software as a Service (SaaS) [Agency ATO]	Managed Security Detection, Alerting, Reporting & Analytics



*Proposed Timeline; Subject to Change



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ACCENTURE XDR

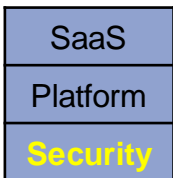


- Real-time, managed security service for event management, alerting, security monitoring, and threat intelligences
- Helps identify suspicious behavior and aligns the solution to specific needs
- Using industry-leading tools, will allow BAS to meet or exceed compliance standards and requirements through rapid response and remediation
- Will provide a holistic view across all BAS solutions and assist the BAS Security team, DOC, and CSPs to review audit logs and alerts and respond in a timely fashion



At a Glance:

- FedRAMP authorized (moderate)
- SOC is staffed 24x7x365
- Customer Portal provides real-time visibility
- Real-time updates of security posture and core metrics
- Overview of open investigations
- Detailed look at security posture with suggested improvements
- Contact information and form







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HOW TO GET INVOLVED



- **Questions/Concerns/Feedback? Want to be involved?**
Contact BAS Project:
BASProject@doc.gov
- **Need more information? Visit us online at:**
<https://www.commerce.gov/ofm/bas-homepage/business-applications-solution-bas>