

# FedRAMP Update and Lessons Learned from an Accredited 3PAO

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Governance, Risk & Compliance – G21



# Agenda

- **Learn**

- History of FedRAMP
- Who is in-process?
- Who is certified?

- **Build**

- FedRAMP Package
- Key Challenges

- **Authorize**

- Program Updates (NIST and FedRAMP)
- Beyond FedRAMP (DIACAP, ECSB, etc.)
- What FedRAMP Means for Your Customers
- Current and Future Models Leveraging an ATO

- **Q&A**



[ow.ly/wLcbq](http://ow.ly/wLcbq)

# Learn

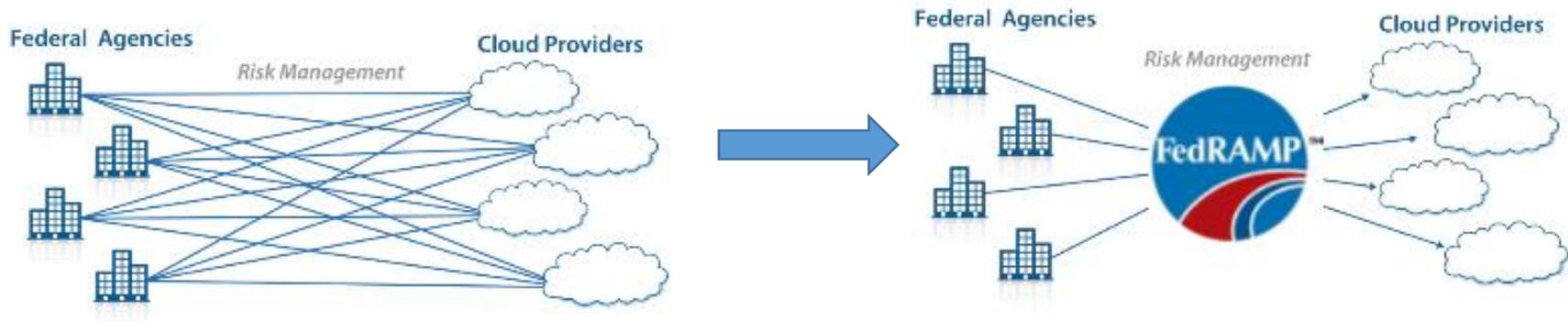


CRISC  
CGEIT  
CISM  
CISA

2014 Fall Conference - "Think Big"

# What is FedRAMP?

Federal Risk and Authorization Management Program



*"FedRAMP establishes a standardized approach to security assessment, authorization and continuous monitoring. It will save cost, time, money and staff associated with doing this work."*

**Steven Van Roekel, Federal Chief Information Officer**

## Goals:

- ✓ Ensure common CSP security and compliance standards by awarding an Authority to Operate (ATO) which is accepted by all Federal Agencies
- ✓ "Do once, use many" framework

# Background – Brief History of FedRAMP

OCT 2010

General Services Administration (GSA) awards first [Infrastructure-as-a-Service \(IaaS\) Cloud Providers](#) under a [Blanket Purchase Agreement \(BPA\)](#). 12 Cloud Providers were selected.

FEB 2011

White House Issues its [Federal Cloud Computing Strategy](#) “Cloud First Policy”

AUG 2011

First [GSA BPA holder](#) receives its Authority to Operate (ATO).

SEP 2011

NIST releases 800-145, “[The NIST Definition of Cloud Computing](#)”. This was followed in DEC 2011 by NIST 800-144 “[Guidelines on Security and Privacy in Public Cloud Computing](#)” and in MAY 2012 by NIST 800-146 “[Cloud Computing Synopsis and Recommendations.](#)”

DEC 2011

The White House releases OMB Memo “[Security Authorization of Information Systems in Cloud Computing Environments](#)” which establishes FedRAMP.

JUN 2012

FedRAMP reaches initial operating capability (IOC) in accordance with OMB FedRAMP memo timelines, and the 24 month clock starts for all clouds to meet FedRAMP requirements. [FedRAMP baseline and parameters established.](#)

JAN 2013

[First CSP](#) received FedRAMP Provisional Authorization (P-ATO).

MAR 2013

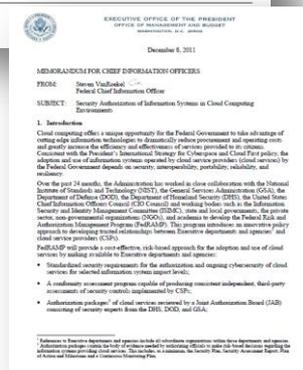
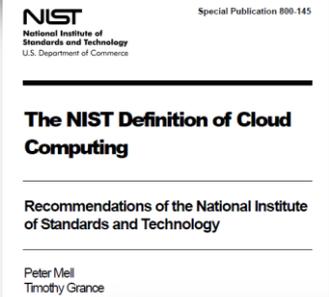
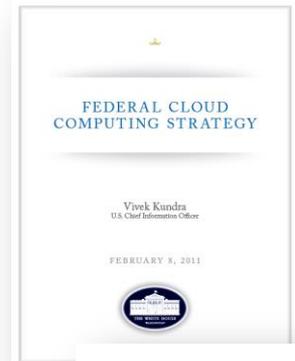
White house issues [OMB M-13-9](#) mandating a certification in writing from the Executive department or agency CIO and CFO, a listing of all cloud services that an agency determines cannot meet the FedRAMP security authorization requirements with appropriate rationale and proposed resolutions. Quarterly updates.

JUN 2013

DISA releases a [pre-solicitation](#) for IaaS leveraging the FedRAMP requirements.

JUN 2014

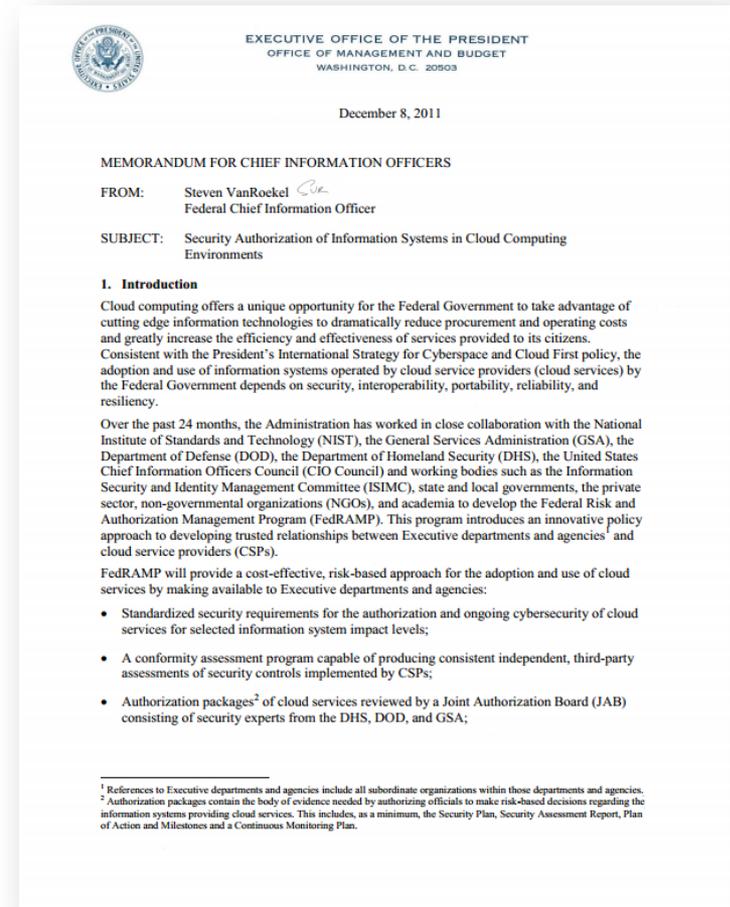
All currently implemented cloud services and authorizations must meet the [FedRAMP requirements.](#)



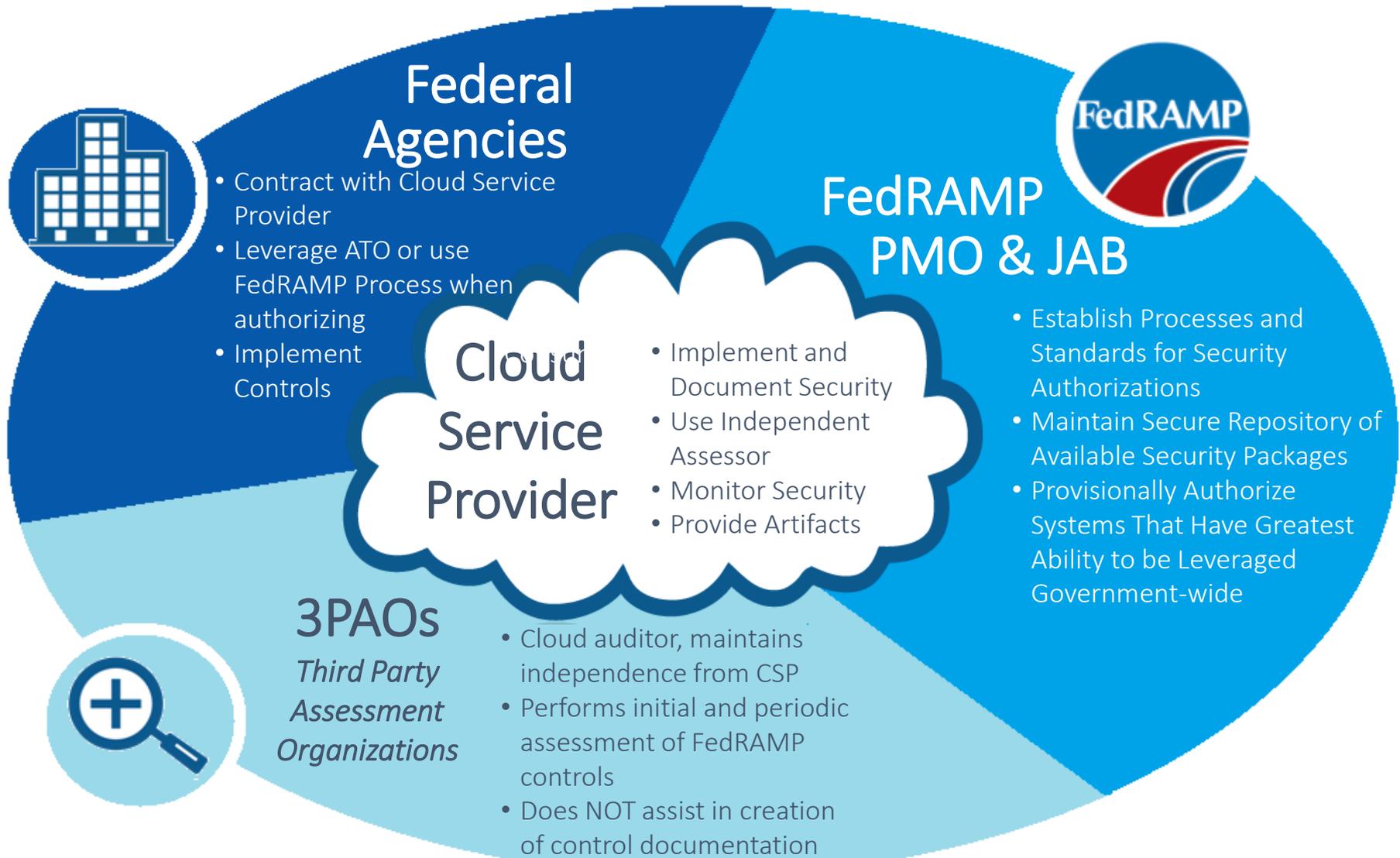
# OMB FedRAMP Policy Memo

December 8, 2011

- **Mandates FedRAMP compliance for all cloud services used by the Federal government**
  - All new services acquired after June 2012
  - All existing services by June 2014
- **Establishes Joint Authorization Board**
  - CIOs from DOD, DHS, GSA
  - Creates the FedRAMP requirements
- **Establishes PMO**
  - Maintained at GSA
  - Establishes FedRAMP processes for agency compliance
  - Maintains 3PAO program



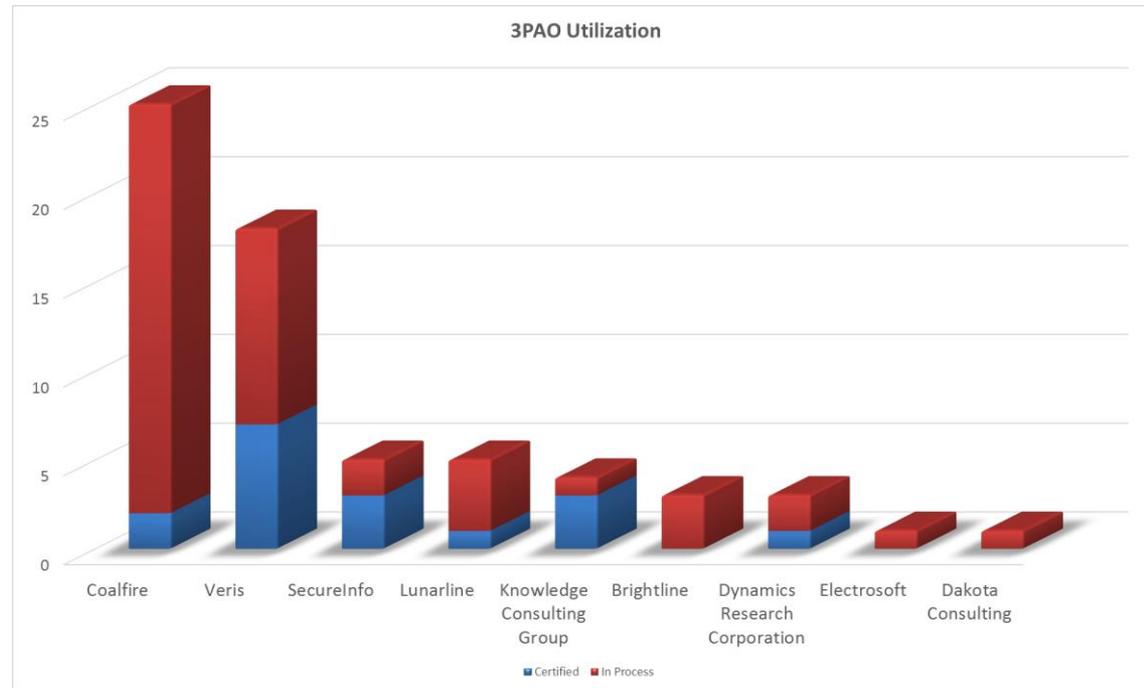
# FedRAMP Key Stakeholders & Responsibilities



# Current State of 3PAOs

Organization
Coalfire Systems
Veris Group, LLC
Lunarline, Inc.
Kratos SecureInfo
Knowledge Consulting Group, Inc.
Dynamics Research Corporation (DRC)
COACT, Inc.
BrightLine
Electrosoft Services, Inc.
Dakota Consulting, Inc.
A-lign Security and Compliance Services
Blue Canopy
Booz Allen Hamilton
Burke Consortium, Inc.
Department of Transportation Enterprise Services Center
DSD Laboratories, Inc.
Earthling Security, Inc.
EmeSec, Inc.
Excentium, Inc.
Homeland Security Consultants
Honeywell Technology Solutions, Inc.
J.D. Biggs and Associates, Inc.
KPMG, LLP
Leidos Accredited Testing Evaluation (AT&E) Labs (formerly SAIC)
Logyx LLC
Paragon Technology Group, Inc.
PricewaterhouseCoopers LLP
SecureIT
Vencore Services and Solutions, Inc. (formerly QinetiQ North America)

- FedRAMP website – [cloud.cio.gov/fedramp](http://cloud.cio.gov/fedramp)
- 29 accredited 3PAOs.
- Only seven 3PAO's have successfully conducted an assessment for a FedRAMP Authorized cloud.

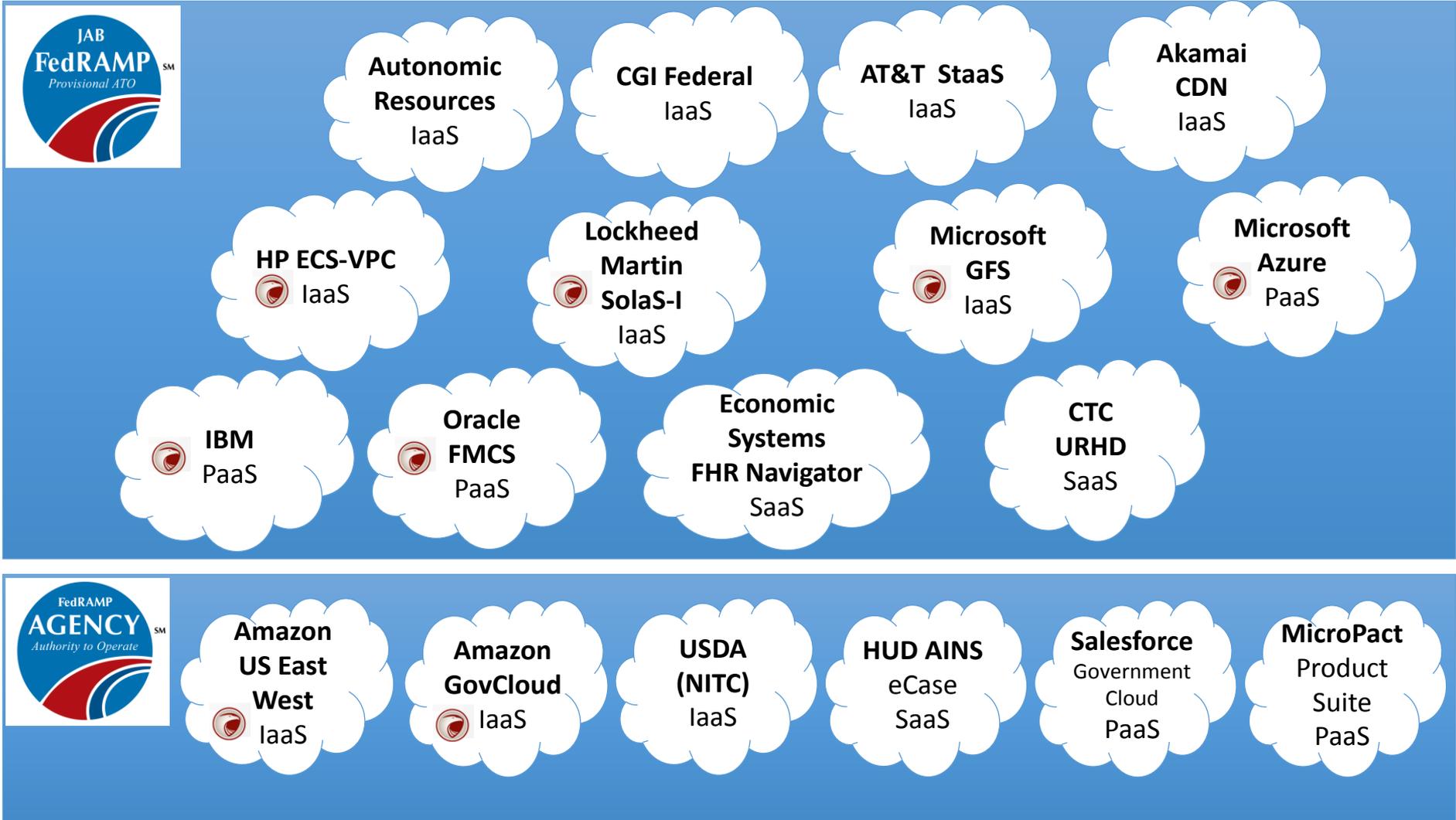




## Tip #1

**People want cloud. Cloud is seen as the only viable option.**

# Current State of FedRAMP CSP's



# Current State of CSP's – In Process



Provisional Authorization Path	Agency Authorization Path
<ul style="list-style-type: none"> <li> Amazon</li> <li>• Autonomic Resources</li> <li>• CA Technologies</li> <li> CenturyLink Technology Solutions</li> <li> Clear Government Solutions (CGS)</li> <li>• Dell</li> <li> Fiberlink, an IBM Company</li> <li>• GDIT</li> <li> Hewlett Packard</li> <li>• IT-CNP, Inc.</li> <li> Layered Tech Government Solutions</li> <li> Microsoft</li> <li> Oracle Corporation</li> <li>• SecureKey Technologies Inc.</li> <li>• Service Now</li> <li>• Vazata</li> <li> Virtustream Inc</li> <li> VMware Provided by Carpathia</li> </ul>	<ul style="list-style-type: none"> <li>• Adobe Systems</li> <li>• Appian</li> <li>• Acquia</li> <li>• Avue Technologies</li> <li> BMC Software</li> <li>• Cornerstone OnDemand</li> <li>• Decision Lens Inc.</li> <li>• Google</li> <li> Oracle Corporation</li> <li> Microsoft</li> <li>• PowerTrain, Inc.</li> <li>• Proofpoint</li> <li>• U.S. Department of Treasury</li> <li>• Verizon</li> </ul>

# Current State of CSP's – Ready for Kickoff



## Ready for Kickoff

- AT&T
- Pegasystems Inc.
- Project Hosts
- QTS

## Build



# What is in a final FedRAMP package?

## CSP



### FedRAMP Specific

1. CIS - Control Implementation Summary
2. CTW - Control Tailoring Workbook
3. User Guide
4. E-Authentication Guide
5. FIPS 199 Categorization
6. RoB – Rules of Behavior
7. PTA & PIA - Privacy Threshold Analysis and Privacy Impact Assessment



### Policies

1. Information Security Policy addressing all controls.



### Plans

1. SSP - System Security Plan
2. CP - Contingency Plan
3. CMP - Configuration Management Plan
4. IRP - Incident Response Plan
5. POA&M - Plan of Action and Milestones



### Procedures

1. Information Security Procedures addressing all controls

## JAB/Agency



1. P-ATO Provisional Authority to Operate Memo
2. Risk Acceptance Recommendation (Optional)

## 3PAO



### Security Tests

1. SAP – Security Assessment Plan
2. SAR – Security Assessment Report
3. SATC – Security Assessment Test Cases
4. Penetration Test
5. Infrastructure Vulnerability Scans
6. Application Vulnerability Scans
7. Database Vulnerability Scans
8. Risk Exposure Table



## Tip #2

**There is no high bar.  
People want purpose built clouds.**

# Common Challenges

#	Control	Description
1	SSP	System Security Plan (SSP) lacks sufficient detail (statements are generic and do not have enough technical breadth or depth).
2	SC-7	Accreditation Boundary is not defined.
3	CM-8	Asset list is not defined.
4	RA-5	Technical Testing not being performed (Vulnerability Scanning, Application Scanning, Database Scanning).
5	CM-2	Baseline configurations not established for all assets.
6	IA-2	Two-Factor Authentication not fully implemented.
7	IA-7/SC-13	FIPS 140-2 Validated crypto modules not in place.
8	PS-3	Background checks not performed on all staff.
9	SI-2	Flaws are not remediated in a timely fashion (30 days).
10	AU-2	Logging is not enabled or sending to a centralized log server.

## Authorize



# Agency Authority to Operate

- Organizations that meet FedRAMP requirements but receive their ATO directly from an Agency.
- Assessments performed by an accredited 3PAO.
- The 3PAO assessment process and supporting artifacts are similar to the process required to seek a JAB P-ATO.
- Other Agencies may review the CSP's system security and issue additional Agency ATOs.



<http://www.gsa.gov/portal/category/105279>

# JAB Provisional Authority to Operate

- Organizations that meet FedRAMP requirements and receive JAB P-ATO.
- Assessments performed by an accredited 3PAO.
- The JAB authorizes a system on behalf of the entire federal government.
- Agencies may review the CSP's system security and issue Agency ATOs.



<http://www.gsa.gov/portal/category/105279>

## CSP Supplied Path

- Least common but gaining traction with major CSPs.
- FedRAMP-accredited 3PAO completes all required documentation, testing and security assessments.
- FedRAMP PMO and JAB verifies completion but does not analyze risk or issue an ATO.
- May be a high cost option due to possible additional requirements or retesting imposed by agencies who wish to procure the technology.
- May be a good option for CSPs that cannot or do not want to take advantage of existing federal contracts and do not wish to partner with other CSP's.
- Perceived as fast path to complete the assessment process and pursue federal business.

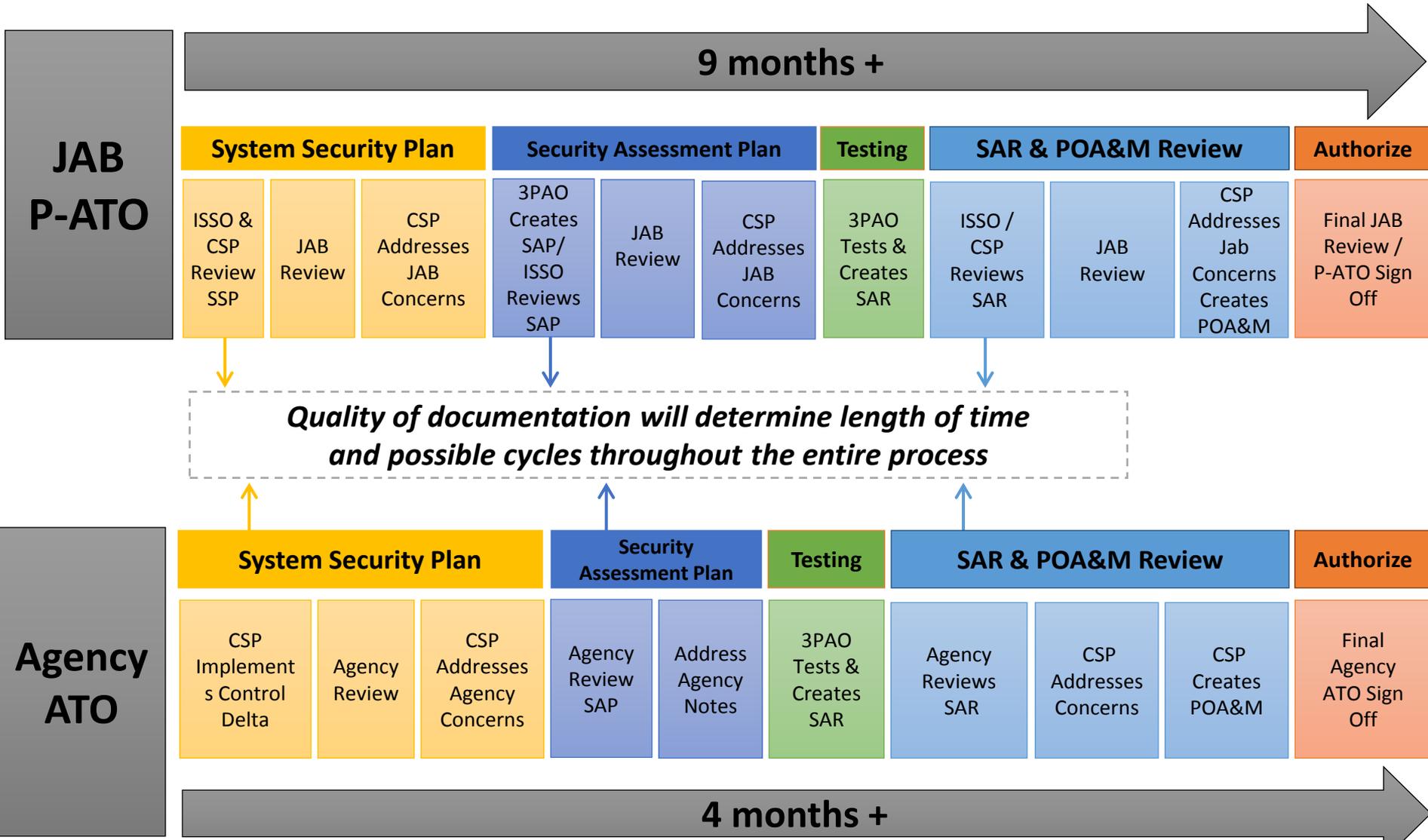




## Tip #3

**Transparency is key.  
(Being “certified” is not enough.)**

# Authorization Process – JAB and Agencies



# JAB Provisional ATO vs Agency ATO

## Timeframe

- JAB 25+ weeks minimum
- Agency 14+ weeks minimum

## Level / Depth of Review

- JAB: Four sets of eyes (PMO, DoD, DHS, GSA)
- Agency: Sponsoring agency review

## Risk Acceptance Level

- JAB: Low risk tolerance level, security for security
- Agency: Varying levels of risk acceptance, business needs can justify more risk as can individual agency policies

## Continuous Monitoring

- JAB: JAB/PMO will maintain, agencies need to review
- Agency: Agency must work with CSP to complete

# Continuous Monitoring

- Upon issue of the P-ATO, the CSP and 3PAO establish dates.

Planned Dates for Delivery/Completion				
No.	Control Name	Control ID	Description	Date(s)
<b>Monthly</b>				
12	Vulnerability Scanning	RA-5a	OS/infrastructure scans	
<b>Quarterly</b>				
20	Plan of Action & Milestones	CA-5	Update as needed and submit to ISSO	
23	Vulnerability Scanning	RA-5a	Scan web applications and databases	
<b>Annual</b>				
27	Information Security Policies	AI-1 <sup>a</sup> Controls	Review and update	
31	Security Assessments	CA-2b	Assess subset of security controls	
33	Continuous Monitoring	CA-7(2)	Unannounced penetration testing	
35	Configuration Management Plan	CM-9	Review and update	
36	IT Contingency Plan	CP-2d	Review and update	
38	IT Contingency Plan Testing & Exercises (Moderate Systems)	CP-4a	Test and exercise IT Contingency Plan - Insert into Appendix F of IT Contingency Plan	
42	Incident Response Testing	IR-3	Perform incident response testing -and date, results, and participants in SSP	
44	Incident Response Plan	IR-8c	Review and update	
48	System Security Plan	PL-2b, c	Review and update	
50	Vulnerability Scan	RA-5a	Scan OS/infrastructure, web applications, and databases	



- **Identify key dates:**
  - P-ATO issue
  - POA&M Actions
  - Annual Assessment
- **Submitted through the ISSO.**
- **CSP and 3PAO should agree to dates that impact both organizations.**

Control Name	Control ID	Description	CSP Authored Deliverable	3PAO Authored Deliverable	Notes
<b>Weekly</b>					
Audit Review, Analysis, & Reporting	AU-6a	CSPs must review and analyze information system audit records for indications of inappropriate or unusual activity.			Report findings of inappropriate or unusual activity to incident response team.
<b>Monthly</b>					
Vulnerability Scanning	RA-5d	CSPs should mitigate all discovered high risk vulnerabilities within 90 days. CSPs should send their ISSO updated artifacts every 30 days to show evidence that outstanding high-risk vulnerabilities have been mitigated.			
<b>Quarterly</b>					
Wireless Access Restrictions	AC-18(2)	CSPs must monitor for unauthorized wireless connections.			Scan wireless access points and determine if any are unauthorized.
Publicly Accessible Content	AC-22d	CSPs must review content on publicly accessible system and look for non-public information.			This means you are looking for data leaks and erroneous or unauthorized information disclosure.
Plan of Action & Milestones	CA-5	CSPs must update the POA&M as needed, and must submit it to the ISSO quarterly.	✓		Self-Attestation § 3.3  Updates should be based on the findings from security assessments, security impact analyses, CSP risk assessments, continuous monitoring activities and any other indications of a security weakness.



- **Requirements for CSP and 3PAO.**
- **Annual Assessment:**
  - Sample Controls
  - Penetration Test
  - Vulnerability Scans

# Predicting the Future: FedRAMP Maturity

- Release of 800-53 Rev 4 Baseline and Documentation
  - Cloud First deadline was June 6<sup>th</sup> – 2 Year anniversary for FedRAMP
  - 325 Controls for FedRAMP Moderate – Increase from 298
  - Documentation templates updated
  - Migration is happening now, but most CSPs will transition in 2015
    - Continuous Monitoring / Annual Assessment
- CSP Supplied Path
  - Significant backlog and wait time associated with the JAB path
    - 12-18 months total wait time
    - 9 months once ready for kickoff
  - Agencies are hesitant to sponsor CSPs – cost / benefit
  - Major players are initiating CSP Supplied path
    - Potential loss of business
    - FedRAMP identified as required in new RFPs

“

**The reality is,  
the  
government is  
not going to  
function  
without this  
technology.**

Robert Barnes,  
Director, Public  
Sector Practice  
Leader, Coalfire  
Systems Inc.

”

# Future: NIST SP 800-53 Revision 4 and FedRAMP

- Release of 800-53 Rev 4 Baseline and Documentation
  - Deadline was June 6<sup>th</sup> – 2 Year anniversary for FedRAMP
  - New baseline controls - Text format, workbook expected by October 1, 2014.
  - 325 Controls for FedRAMP Moderate – Increase from 298
  - Major documentation update – Templates available on FedRAMP website
- Transition Strategy
  - Rev. 4 Released April 22, 2013
  - CSPs divided in to 3 categories - Initiation, In Process, Continuous Monitoring
  - Update of controls and documentation
  - Testing timeframes
  - Transition Plan to be released with documentation updates

Impact System Level	Controls in Rev 3	Controls in Rev 4
Low-	115	124
Moderate-	252	261
High-	329	343

# Is my organization required to transition?

You must transition to NIST SP 800-53 Rev 4 if you do not meet any of the following criteria:

Kicked off JAB P-ATO review prior to June 1, 2014.

In Agency ATO review prior to June 1, 2014.

In contract discussions with Agencies.

In contract with an Agency prior to June 1, 2014.

This is not intended to be disruptive or to prevent those in process from having to change course.

# Download the Templates

- <http://cloud.cio.gov/fedramp/templates>

The screenshot displays the cloud.cio.gov website with a navigation bar containing links for Learn, Use, Acquire, Manage, Secure, and More. Below the navigation bar, there are two columns of templates. The left column is titled 'SAF Templates Aligned to NIST SF 800-53 Revision 4' and the right column is titled 'SAF Templates Aligned to NIST SF 800-53 Revision 3'. Each column lists templates under three categories: Document, Assess, and Authorize. The templates in the right column are highlighted in green, indicating they are available for download.

SAF Templates Aligned to NIST SF 800-53 Revision 4	SAF Templates Aligned to NIST SF 800-53 Revision 3
<b>Document</b> <ul style="list-style-type: none"><li>◆ System Security Plan (SSP) Template</li><li>◆ Contingency Plan Template</li><li>◆ FIPS 199 Template</li><li>◆ Privacy Threshold Analysis and Privacy Impact Assessment (PTA &amp; PIA) Template</li><li>◆ Control Implementation Summary Template</li><li>◆ e-Authentication Template</li><li>◆ Rules of Behavior (RoB) Template</li></ul>	<b>Document</b> <ul style="list-style-type: none"><li>◆ System Security Plan (SSP) Template</li><li>◆ Contingency Plan Template</li><li>◆ FIPS 199 Template</li><li>◆ Privacy Threshold Analysis and Privacy Impact Assessment (PTA &amp; PIA) Template</li><li>◆ Control Implementation Summary Template</li><li>◆ e-Authentication Template</li><li>◆ Rules of Behavior (RoB) Template</li></ul>
<b>Assess</b> <ul style="list-style-type: none"><li>◆ Security Assessment Plan (SAP) Template</li><li>◆ Security Assessment Test Cases</li></ul>	<b>Assess</b> <ul style="list-style-type: none"><li>◆ Security Assessment Plan (SAP) Template</li><li>◆ Security Assessment Test Cases</li></ul>
<b>Authorize</b> <ul style="list-style-type: none"><li>◆ Security Assessment Report (SAR) Template</li><li>◆ Plan of Action and Milestones (POAM) Template</li></ul>	<b>Authorize</b> <ul style="list-style-type: none"><li>◆ Security Assessment Report (SAR) Template</li><li>◆ Plan of Action and Milestones (POAM) Template</li></ul>



## Tip #4

**Early adopters are maximizing their investment.**

# Leveraging a FedRAMP Authorized Cloud Solution

- SaaS providers will leverage authorizations of IaaS/PaaS providers.
- PaaS providers will leverage authorizations of IaaS providers.
- FedRAMP PMO – Guide to Understanding FedRAMP has an entire section dedicated to Agencies wanting to leverage services from multiple providers and how each provider's Authorization relates to the other.

[http://www.gsa.gov/portal/mediaId/170599/fileName/Guide\\_to\\_Understanding\\_FedRAMP\\_042213](http://www.gsa.gov/portal/mediaId/170599/fileName/Guide_to_Understanding_FedRAMP_042213)



Figure 3-12. Three Providers, One IaaS, One PaaS, and One SaaS

# Beyond FedRAMP

- 80% of Coalfire's FedRAMP customers meet multiple requirements

Acronym	Requirement
<b>FISMA HIGH</b>	Federal Information Systems Management Act
<b>HHS, GSA, VA</b>	Agency Specific Requirements and RFPs
<b>ECSB</b>	Defense Information Systems Agency (DISA) Enterprise Cloud Service Broker
<b>DIACAP</b>	Defense Information Assurance Certification and Accreditation Program
<b>DoD RMF</b>	Defense Information Assurance Risk Management Process
<b>CJIS</b>	Criminal Justice Information System
<b>ISO 27001</b>	International Organization of Standardization - Info Sec Management System
<b>PCI DSS</b>	Payment Card Industry Data Security Standard
<b>HIPAA</b>	Health Insurance Portability and Accountability Act



2014 Fall Conference "Think Big"  
October 13-15, 2014



## Tip #5

**Risk management processes matter,  
not the controls frameworks.**

# Controls Frameworks – Mapping

TABLE H-1: MAPPING NIST SP 800-53 TO ISO/IEC 27001

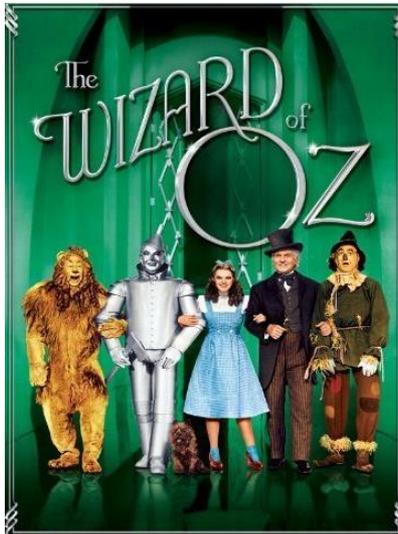
NIST SP 800-53 CONTROLS		ISO/IEC 27001 CONTROLS
AC-1	Access Control Policy and Procedures	A.5.1.1, A.5.1.2, A.6.1.1, A.6.1.2, A.6.1.3, A.8.1.1, A.10.1.1, A.10.8.1, A.11.1.1, A.11.3.3, A.11.4.1, A.11.6.1, A.11.7.1, A.11.7.2, A.12.3.2, A.15.1.1, A.15.2.1
AC-2	Account Management	A.8.3.3, A.11.2.1, A.11.2.2, A.11.2.4, A.11.5.2, A.11.5.5, A.11.5.6
AC-3	Access Enforcement	A.7.2.2, A.10.6.1, A.10.7.3, A.10.7.4, A.10.8.1 A.10.9.1, A.10.9.2, A.10.9.3, A.11.2.2, A.11.5.4, A.11.6.1, A.12.4.3, A.15.1.3
AC-4	Information Flow Enforcement	A.7.2.2, A.10.7.3, A.10.8.1, A.11.4.5, A.11.4.7, A.12.5.4
AC-5	Separation of Duties	A.10.1.3
AC-6	Least Privilege	A.11.2.2, A.11.4.1, A.11.4.4, A.11.5.4, A.11.6.1, A.12.4.3



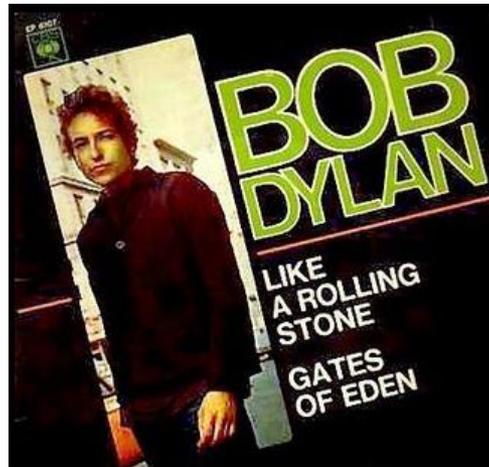
It's a bit painful to do the mapping, but its doable...

# Controls Mapping - FedRAMP

- NIST formalized the concept of “control overlays”
- FedRAMP is a Cloud control overlay to NIST 800-53
- Control overlays are used to tailor a baseline of controls to a specific industry/technology/group of similar interests.
- Company’s try to meet the HIGH bar, be the best!



**Best movie ever!**  
Rotten Tomatoes



**Best song ever!**  
Rolling Stone



Lamborghini Murcielago

**Best car ever!**  
Top Gear

# DoD Changes?



## Department of Defense INSTRUCTION

NUMBER 8500.01  
March 14, 2014

DoD CIO

### ■ RMF

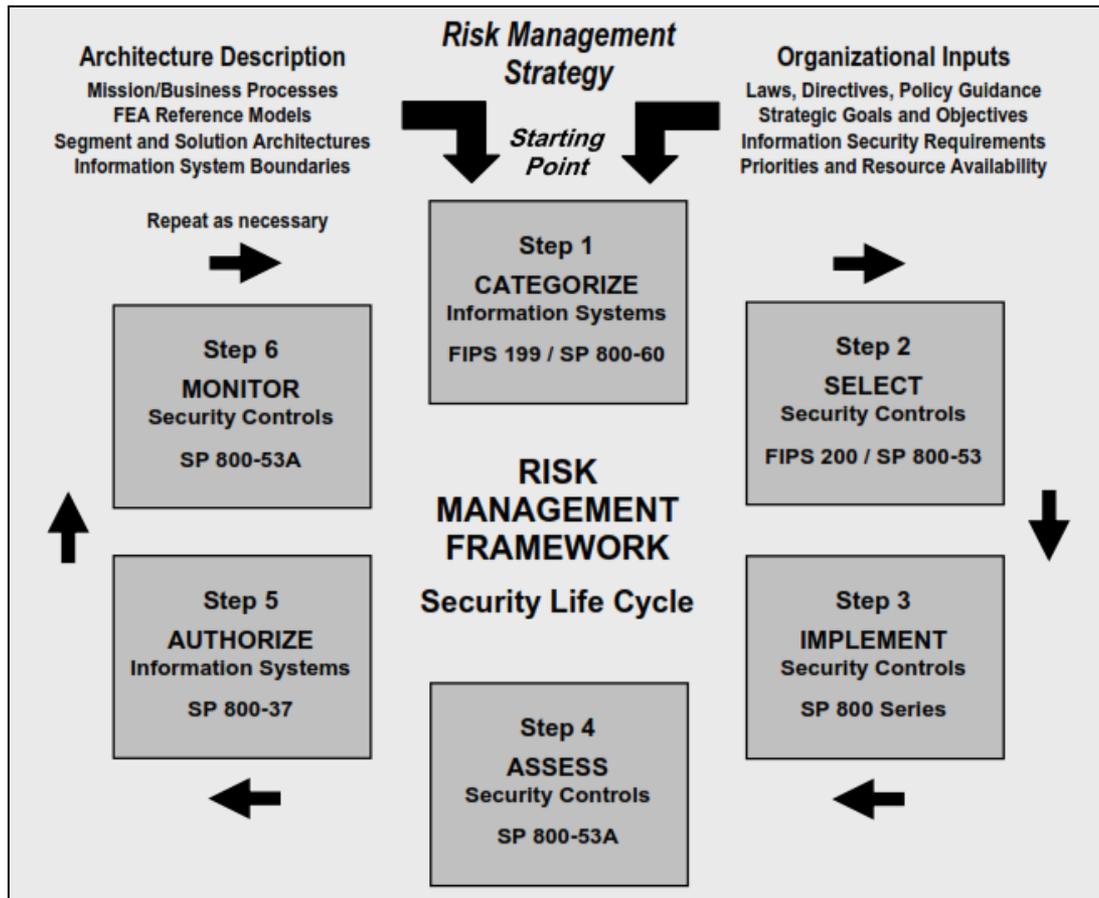
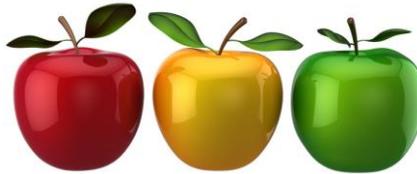
DoD will use NIST SP 800-37 (“Guide for Applying the Risk Management Framework to Federal Information Systems”), as

implemented by [...] DoD Instruction 8510.01 (“Risk Management Framework (RMF) for DoD Information Technology (IT)”, March 13, 2014) to address risk management, including authorization to operate (ATO), for all DoD ISs and PIT systems.”

### ■ Reciprocity

DoD Components must share security authorization packages with affected information owners (IOs) or stewards and interconnected ISOs to support Cybersecurity reciprocity. The reciprocal acceptance of DoD and other federal agency and department security authorizations will be implemented in accordance with the procedures in DoD Instruction 8510.01 (RFM for DoD IT - March 13, 2014)

# What is the RMF?



NIST SP 800-30  
NIST SP 800-37

# Control Frameworks – NIST



- All NIST documents are freely available and updated by the US Government.
- Does not prohibit cloud adoption and the flexibility in technical control selection makes it very powerful, but,
- NIST doesn't define any control REQUIREMENTS.  
*ex: Passwords must meet [AGENCY DEFINED] requirements.*
- Assessment to NIST has been wide and varied.

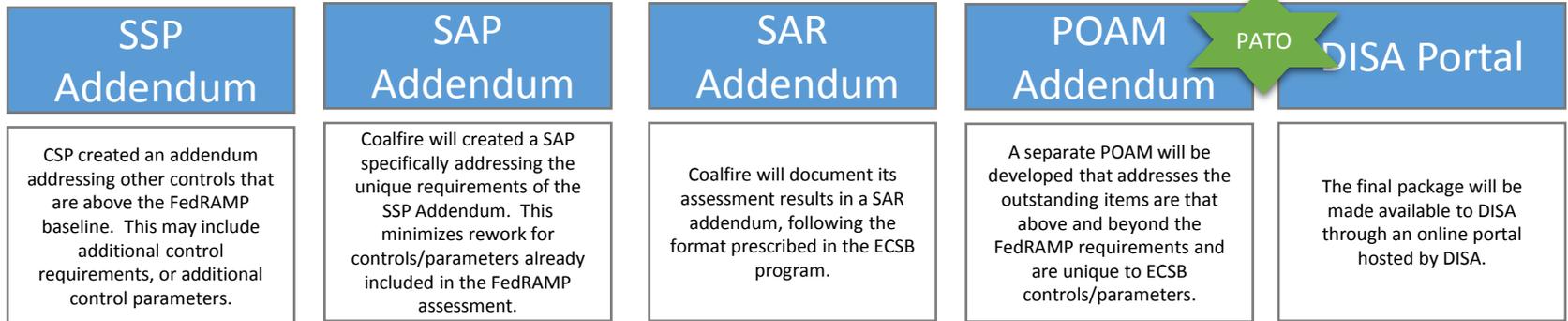
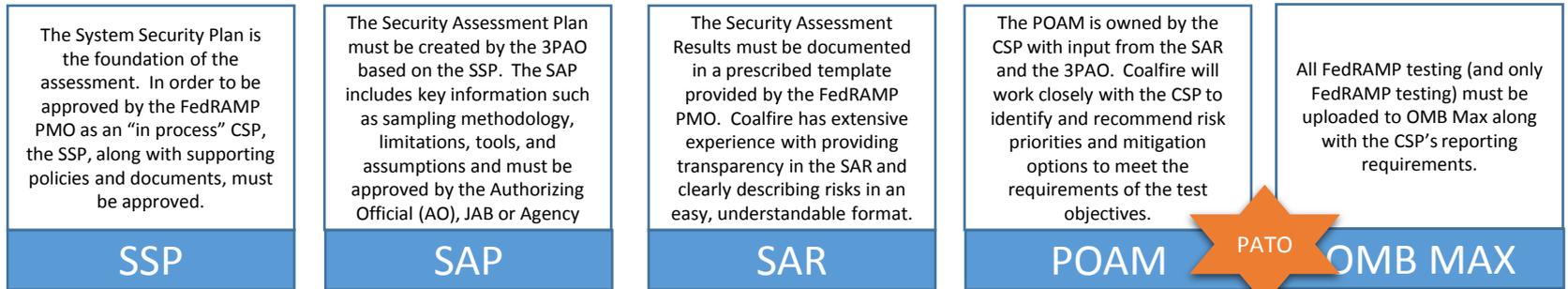
# What is the ECSB? - Impact Levels

Impact Level	Maximum Data Type and C-I-A	FedRAMP Secure Repository +Federal ATO +JAB Provisional Authorization	CNSSI 1253	Ongoing Assessment	C2 & NetOps / CND Integration	Architectural Integration	Policy, Guidance, and Operational Constraints
1	U-Public NA-L-x	L	Tailored Set with equivalency	IAW FedRAMP: 3 <sup>rd</sup> party report for DoD review	IAW FedRAMP: Incident Reports, Vulnerability Scans, POA&Ms, FedRAMP package updates, network architecture updates, configuration updates, outage notifications; Limited bidirectional comms between CSPs & CND Tier II to include warnings and notifications	Two factor authentication for System Administrators	Selective STIGs/SRGs/Other measures or equiv; Law Enforcement access; Official notifications; Data locations; Data spills; Data disposition; Storage Hardware disposition
2	U-Private L-M-x	M	Same as Level 1	+ Limited ECSB assessments	+ User Level Intrusion Incidents	+ DoDI 8500.2 Passwords	+ Additional selective STIGs/SRGs/Other
3	CUI L-M-x	M	Tailored Set by cloud service type with equivalency	+ At least Annual 3 <sup>rd</sup> party/ DoD Red Teams + Red Team of significant changes	+ Non-Compliance Incidents + Rx Unclassified Threat Info + NIST CSV or XML formats for SCM (future ARF or ASR ) + Rx Security Policy (signatures, filters)	+ DoD PKI + DIBNet-U + HBSS Equiv + NIPRnet Only	+ All STIG/CTO or equiv + Private Clouds only
4	CUI M-M-x	M	Same as Level 3	Same as Level 3	+ Credible Attempt Incidents + Rx Classified Directives + Rx Classified Threat Info	+ DIBNet-S	Same as Level 3
5	CUI H-H-x	M	All by cloud service type with equivalency	+ As often as Quarterly 3 <sup>rd</sup> party/ DoD Red Teams	+ Reconnaissance Incidents	Same as Level 4	Same as Level 3
6	Classified H-H-x	M	Same as Level 5	Same as Level 5	Same as Level 5	+SIPR HW Token	+ All STIG/CTO with exception
<p>Legend: Green represents Public and Unclassified Information; Orange represents Controlled Unclassified Information; Red represents Classified Information The + represents an inclusive incremental security requirement increase from the previous lower Impact Level</p>							

# What is the ECSB? – (cont)



# FedRAMP and ECSB in Parallel



# Wrap up

- **Learn**

- History of FedRAMP
- Who is in-process?
- Who is certified?

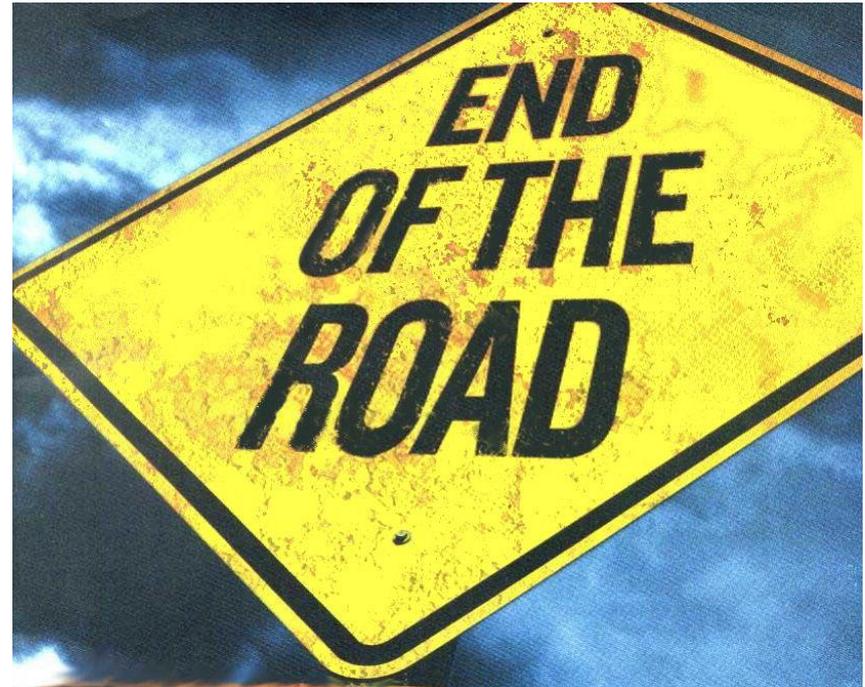
- **Build**

- FedRAMP Package
- Key Challenges

- **Authorize**

- Program Updates (NIST and FedRAMP)
- Beyond FedRAMP (DIACAP, ECSB, etc.)
- What FedRAMP Means for Your Customers
- Current and Future Models Leveraging an ATO

- **Q&A**



# Questions or Suggestions



Send your questions or suggestions to [3pao@Coalfire.com](mailto:3pao@Coalfire.com)

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