



U.S.ARMY



AFCEA Belvoir Industry Days Breakout Session

General Fund Enterprise Business System (GFEBS)

Nov. 17, 2020

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Agenda



- Panel Introductions
- Agile
- Cloud IL4
- What's Next?
- Questions



PD GFEBs Panel



Mr. Reginald Shuford, Product Director, GFEBs

Mr. Robert Porter, Deputy Product Director, GFEBs

Ms. Melissa Moreau, Deputy Product Director, GFEBs

MAJ Lloyd Alamailo, Assistant Product Manager

Mr. John Hubbard, Technical Manager



GFEBs Agile Delivery



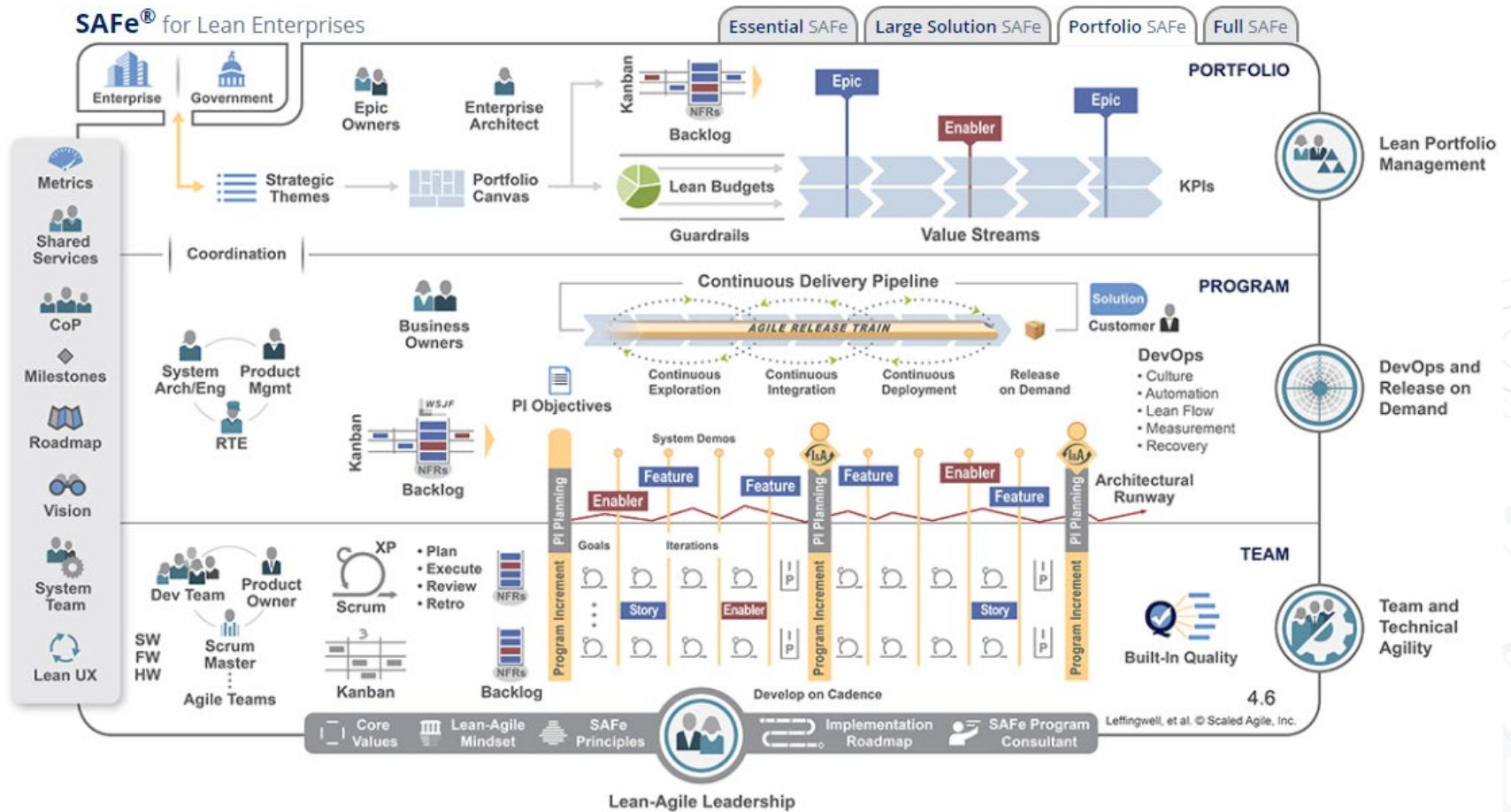
Scaled Agile Framework (SAFe®) is used to deliver complex Systems Application and Products solutions that require a coordinated approach across multiple Agile teams.

Consists of GFEBs PMO, System Integrator and other stakeholders (e.g., SSO, the Office of the Deputy Assistant Secretary of the Army, Financial Information Management (ODASA-FIM), and others).

At the team level, GFEBs utilizes specific Agile approaches to deliver solutions for the GFEBs software.



SAFe Agile Framework

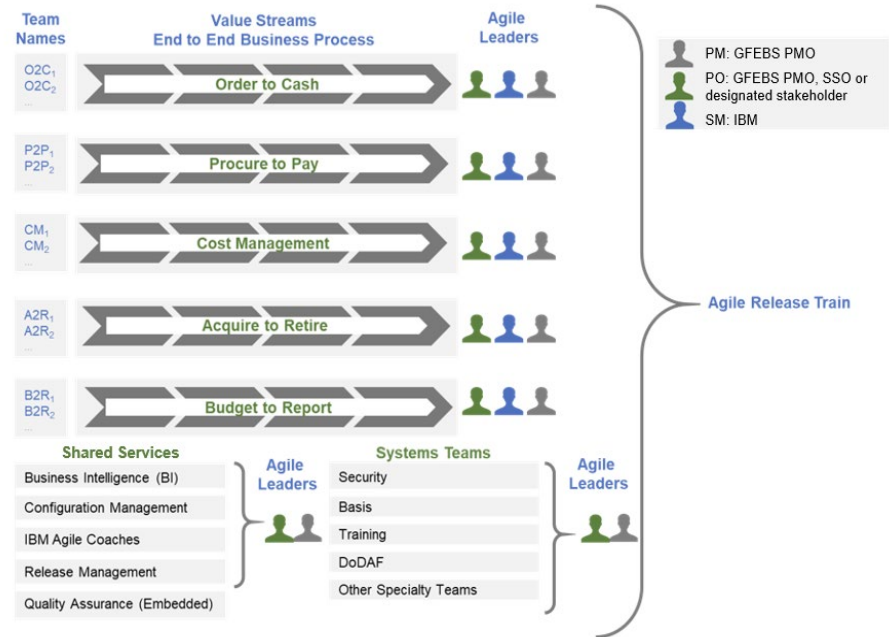




GFEBs Agile Teams (Value Streams): Aligned with SAFe Agile Release Train (ART)



- An ART is a SAFe concept that describes a team consisting of multiple teams, or a “team of teams”. An ART consists of 50 to 125 people that work together on a common GFEBs mission.
- ARTs plan together and develop, based on a synchronized cadence of two weeks for Iterations and 10 weeks for Program Increments.
- ARTs synchronize their ceremonies to allow integration across the teams and enable demonstration of integrated solutions.
- ARTs are established collaboratively by GFEBs PMO and System Integrator.
- The teams within the ART align to the Value Streams that were identified by GFEBs PMO and System Integrator
- The teams in an ART can consist of team members from GFEBs PMO, System Integrator, SSO, or other stakeholders (as shown in graphic).
- Shared Services teams are included in the ART to provide specific services in support of teams in the value streams. For example, the Basis team provides Basis support for all teams in the GFEBs Enhancements program.





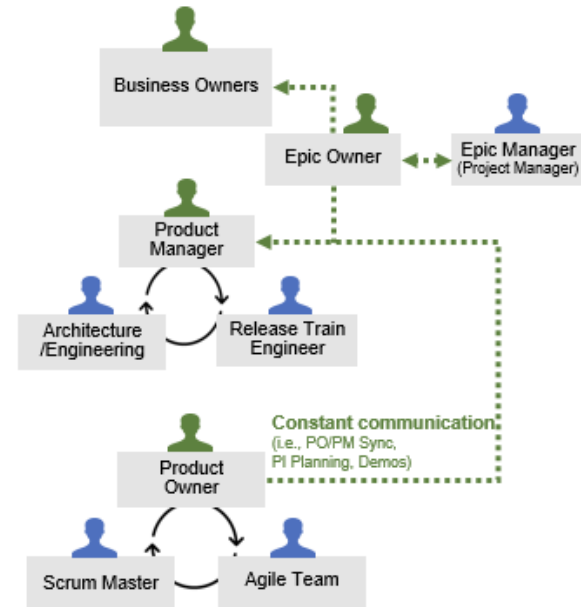
GFEBs Agile Teams – Roles and Responsibilities



GFEBs PMO, SSO and Government Stakeholders	System Integrator
<p>Business Owners (BOs) refer to a group of stakeholders, who have a primary responsibility for governance, compliance, and return on investment.</p>	<p>Release Train Engineers (RTEs) have similar responsibilities to that of Scrum Masters. RTEs are responsible for coaching the Scrum Masters and PMs on their roles as part of a <u>SAFe</u> ART.</p>
<p>Epic Owners (EO) works with the Product Managers and Architects to split the Epics into Features. Understands and report on the progress of the Epic to key stakeholders.</p>	<p>Epic Managers Support Epic Owners, PO/PMs, and Agile teams in development and prioritization of Roadmaps, Epics and Features. EMs collaborate with PM/Epic Owners and the RTE to build a feature release and deploy strategy. EMs also track risks and update PMR reports.</p>
<p>Product Managers (Army GFEBs PMO or Government Stakeholders*) are responsible for aligning the Epics and Features to the requirements and guiding the POs. They verify that the overall solution is traceable to the requirements.</p>	<p>Enterprise Architects define the Solution Vision, an intentional architecture of the solution that conforms to the Department of Defense Architectural Framework (DoDAF) .</p>
<p>Product Owners (SSO) work directly with the Agile team(s) to elaborate User Stories and guide the Agile teams to deliver a solution that meets the requirements.</p>	<p>Scrum Masters (SMs) work directly with a GFEBs Agile team. They are responsible for guiding the team through Agile practices and eliminating any impediments to development.</p>
<p>An Agile Development team is comprised of five to eleven Agile Team Members. The Agile team consists of GFEBs PMO, IBM, SSO, or other stakeholders.</p>	

System Integrator, GFEBs PMO, SSO or other Government Stakeholders communicate frequently throughout each iteration

*Government Stakeholders refers to other requirement owners



Constant communication throughout iterations (i.e., Daily Stand-Up, Demos)



GFEBs Goes Agile!



Software development in the Army gets an Agile reboot

By Paul McKellips June 23, 2020



(Fort Belvoir, Virginia) More than 200 people from the General Fund Enterprise Business System's (GFEBs) Development and Modernization (DevMod) product, along with System Support Operations (SSO), Financial Information Management (FIM), and federal contractor IBM, participated in a two-day virtual Agile Program Increment (PI) Planning event to generate requirements for all GFEBs enhancement initiatives and to develop a schedule for working software delivery over the next ten weeks.

SAFe Agile stands for Scaled Agile Framework and the approach empowers development teams through three principles – team, program, and portfolio. It is designed not so much as a single methodology, but rather as a broad knowledge base of proven best practices that real teams have used to deliver successful software products.

Waterfall Methodology is an older approach where a project is completed in distinct stages and milestones and inches forward step-by-step toward an ultimate release to customers. The main difference between waterfall and agile approaches to software development is that waterfall projects are completed sequentially whereas agile projects are completed iteratively in a cycle.

In less than 48 hours, 17 Agile teams were able to resolve issues and make decisions that normally would have taken many months to work out under the classic waterfall development methodology.

"Changing the methodology of how DevMod GFEBs delivers its solutions for its customers, from traditional waterfall to agile has been an enormous effort," said U.S. Army Major Lloyd Alaimalo, assistant product manager for DevMod, "and one that was important to implement."

Implementing SAFe Agile methodology is often the best form of incremental software development process within industry. SAFe Agile generates executable code and requirements more quickly by keeping development teams on the same page in rapidly changing environments.

GFEBs AGILE LAUNCHED!

FIRST PAYLOAD DELIVERED!

US ARMY'S IMPROVED FINANCIAL REPORTING SYSTEM FOR REAL PROPERTIES & ASSETS IS IN ORBIT!

PAYLOAD

- Simpler & more accurate financial reporting process for Real Properties & Assets
- Improved Audit Compliance
- More accurate cost reporting
- More accurate calculation of depreciation with new Asset classes & up-to-date estimated Useful Life
- Better separation of Army Working Capital Fund (AWCF) from General Fund

VEHICLE

- Consolidated Transaction Types
- Improved controls around fund alignment
- Up to date estimated Useful Life
- Automated calculation of depreciation
- Prevent orphan Asset records
- Correct posting for Asset Retirement
- & Much more!

ENGINEERING & MISSION CONTROL

"Lean Mean Agile Machine"

Alan Hardenstine • Charlie Zhang • Lilla Tkach
Clifford Chatman • Ikram Koreshi • Rima Cousin
Mike Warren • Tyler Stone • Kaiser Qadir

BENEFICIARIES

- G-9
- DASA-FIM, DASA-FOA, DASA-FOR, USARNG
- The landholding commands (AMC, IMCOM, USAR, USAREUR, ARCENT)

JUNE 16 2020 GO AGILE



Recognize Successful Agile Deployment



AUTOMATION AND COMPLIANCE: A SUCCESS!

Procure to Pay Team 5 - 'SuSuccess' released an enhancement that effectively supports defense contract audit requirements and prepares for the automation of notifications for GFEBS Contracting Officer Representatives. This results in higher efficiency and notable time savings. A congratulations to team SuSuccess on their first *successful* release!

Thank you!
Team 'SuSuccess'
Ikrani Koreshi · Ouyen Mark · Maureen Raihes
Pat Riley · Xuan Luo Ko · Ronald Reese · Sallaja Kondapeta
Selva Lakshmanan · Erin Magee · Nabeel Gaddi
Kara Terrell Coston · Jordan Brunger · Sreenivas Achanta
Ram Balasubramaniam · Jeff Etter

Additional thanks to:
Lauren Gilliard

TIME SAVINGS & AUTOMATION: ON THE RISE!

Congratulations to Procure to Pay Team 2 - 'GREENBACK BERETS' on their latest release that eradicated a manual uploading process and now enables an automated mass upload of credit memos!

With this release:

- Time savings increased by ~95%, equating to 300+ hours a month
- Timeliness of information received is improved
- Efficiency is increased

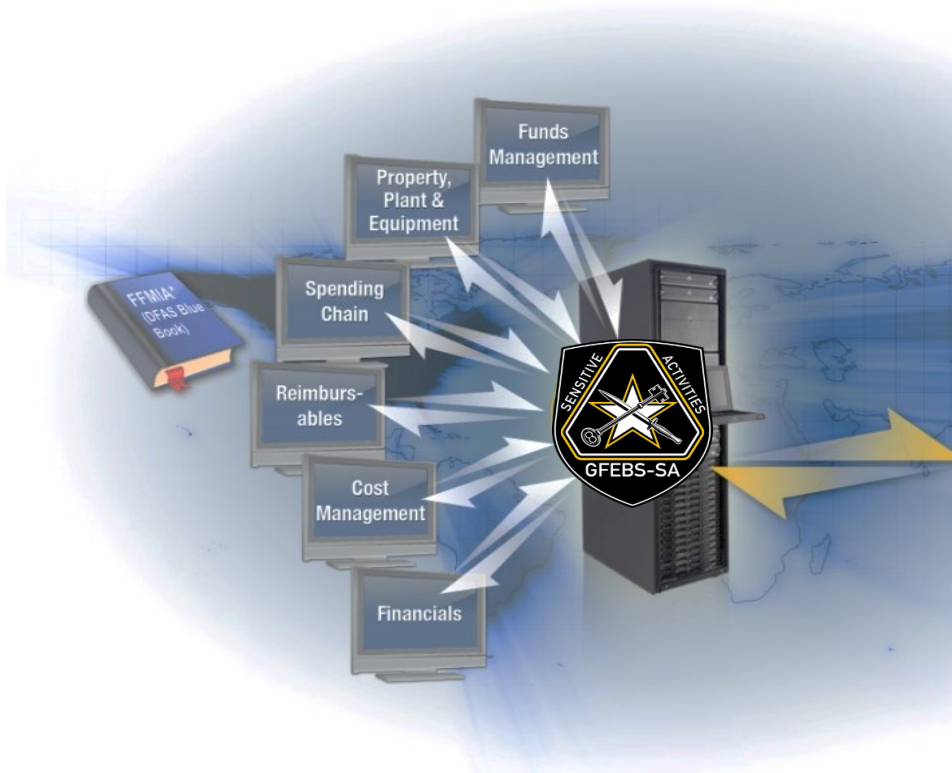
Thank you!
Team 'GREENBACK BERETS'
Emily Rhodes · Miran Kayachi · Sean Dawson
Ann Willi · Mahesh Maddur · Peter Hang
Prashant Naaga · Rod Parrish · Susan Rame
Brandon Villarín · Dana Sisson · Kelsha Myrick
Venkat Muduta · Vanessa Russell · Dawn Foley
Kira Summers

Congratulations, Procure to Pay Team 5—Great job, Team SuSuccess, on your first *successful* release!

Congratulations to Procure to Pay Team 2 — “GREENBACK BERETS” — on their latest release, which eradicates a manual uploading process and now enables an automated mass upload of credit memos!



GFEBs-SA Cloud Solution



- First Impact Level (IL) 6 cloud environment for the U.S. Army
- Certified to process information at classification levels up to SECRET
- November 2019, implemented Web Services Infrastructure as a Service (IaaS)

Modernizing critical infrastructure through an Army IL6 cloud implementation for the Sensitive Activities community



GFEBs-SA Cloud Hosting



- **Phase 1: Design Cloud Solution based on Secure Cloud Computing Architecture (SCCA)**
- **Phase 2: Deploy Core and Support Applications**
- **Phase 3: Migrate On-Prem Applications and Reduce Costs**
- **Phase 4: Deploy to Production and Sustain**

NOTE: The team established interface connectivity with the unclassified system—through a cross-domain solution.

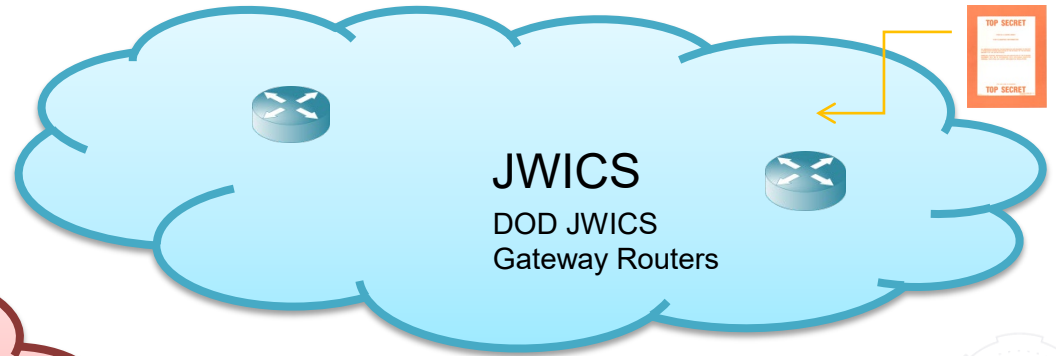
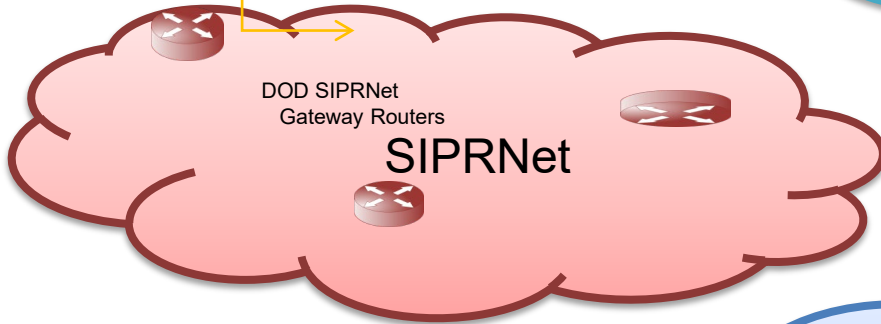


Security Domains

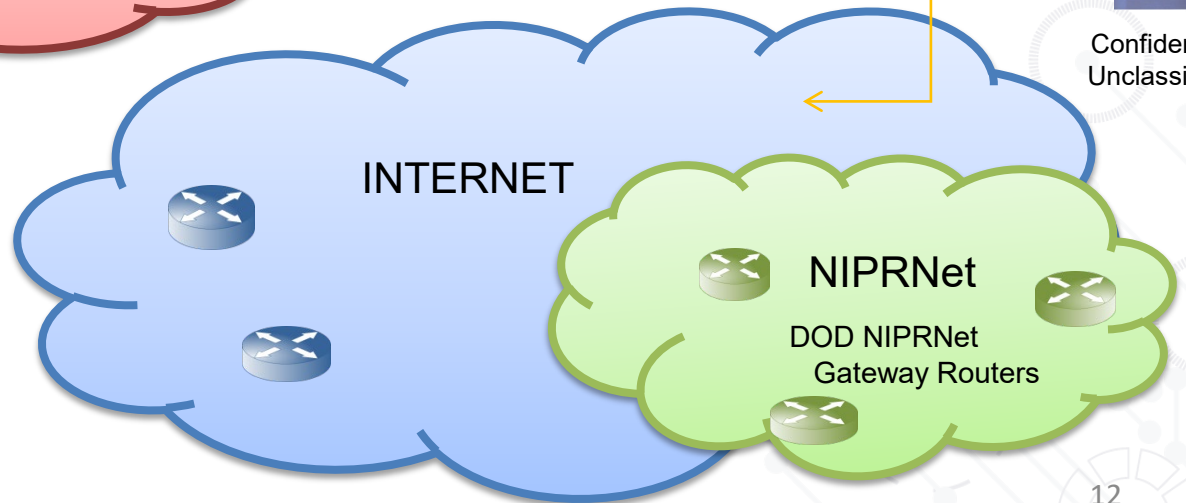


Sensitive Compartmented Information
Special Access Program Information

Secret Collateral
Sensitive Compartmented Information
Special Access Program Information



INTERNET





Confidential
Unclassified





The Army relies on **PEOEIS**

Connecting the Army. Working for Soldiers.

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