Cost Analysis Visualization Environment - CAVE

LOE 4

The Army develops and operates four web-accessible legacy cost models: OSMIS, FORCES, AMCOS and the CPP. The CAVE Modernization Project **will simplify the systems environment by consolidating these four systems within the FM Domain portfolio, supporting Cost Estimating and Cost Analysis, into a single, cloud-optimized, core solution.**

CAVE's major lines of effort include:
- **Rehosting from a Data Center to the Cloud**: In the past year and a half, DASA-CE, and industry partners, have rebuilt and configured these four legacy systems into cArmy's Amazon Web Services (AWS) environment.
- **Reengineering Business Processes**: ASA(FM&C)'s Business Process Reengineering (BPR) team has gathered revised system requirements; documented and engineered "as-is" and "to-be" processes; and designed alternative cloud architectures in support of CAVE's solutions analysis.
- **System Consolidation and Refactoring**: Upon the completion of the solutions analysis and resulting implementation plan, DASA-CE will begin to refactor these systems in FY24.

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The CAVE Modernization Project utilizes **Business Process Reengineering** methodology **to assess process inefficiencies, identify gaps, and implement opportunities to re-engineer and modernize applications.**

Key Technical Enablers of CAVE's Modernization

Serverless Architecture:
- Applications built on a serverless architecture only consume compute resources when needed. This **eliminates the expense of maintaining reserve compute capacity, while increasing scalability and flexibility**.

Cloud Native Software as a Service:
- Incorporating cloud native SaaS **eliminates costly software licenses, simplifies software configurations, and reduces laborious Risk Management Framework activities**.

www.asafm.army.mil/Cost-Materials/Cost-Models/