AME CORE MMIS

The AME Core MMIS is a Gainwell Technologies interChange MMIS solution, and is currently maintained by Gainwell Technologies, LLC. DHS received CMS certification of AME Core MMIS in March 2019.

A. The AME Core MMIS resides in the Amazon Web Services (AWS) Cloud.

B. A primary function of the AME Core MMIS is the processing of non-pharmacy claims for both fee- for-service (FFS) and encounter claims for managed care organizations (MCOs). In SFY 2024, Arkansas Medicaid processed over 84 million claims, including more than 41 million MCO encounter claims and over 33 million FFS claims

Open Interfaces and Exposed APIs

The MMIS provides an architectural framework grounded on a Service Oriented Architecture (SOA).

The MMIS application architecture supports multiple access channels including web user interface, web portal, and integrated voice response (IVR). The solution includes a highly robust SOA software stack, the definition of business services to take advantage of the architecture, and COTS packages that are SOA-enabled.

MMIS has structured a combination of infrastructure and COTS components in a SOA based framework that comprises a presentation tier, service tier, and data management tier connected across an SOA backplane.

The presentation tier supports internal users (claims, call center, provider workers), consumer self-service, and approved external users such as providers. Additionally, this tier supports access through the portal to conduct self-service screening, submit an online application, access other forms, and view and make claim changes.

The service tier comprises two service categories—core and support. Core services represent basic business functions needed in a MMIS. The support services represent those services that support the core services—in essence, shared services. These include the COTS products for workflow, policy management (such as Rules Engine), reporting tool, and correspondence or notices and outreach.

Within the SOA backplane, the Enterprise Service Bus (ESB) provides web services, security, registry, and governance for the enabled services. The SOA backplane also supports the service activity and interfaces. The ESB orchestrates services that are combinations of other already-defined services and coordinates services to external entities such as separate document management system.

In summary, our solution is structured on open technology standards and frameworks that align with MITA principles. The SOA meets the MITA objectives of reusability and interoperability as represented by our framework comprising presentation tier, services tier, and data management tier that are orchestrated through the SOA backplane. Additionally, the ESB provides web services, security, and governance for enabled services.