Flores, Kelly

From:	Flores, Kelly
Sent:	Thursday, March 13, 2025 12:06 AM
To:	Dharmaraj, Siva; Fliger, Amy L; Murudeshwar, Radhika; Deshmukh, Kirtibala A; Srikanti, Vijaya
Cc:	CloudViolet
Subject:	Meeting Notes: Agate Architecture Discussion - 3/12/2025

Follow Up Flag:	Follow up
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Date: 3/12/2025
Purpose: Discussion of architecture and migration plan details with CMCoE and Application Team
Attendees: Siva Dharmaraj, Amy L Fliger, Radhika Murudeshwar, Kirtibala A Deshmukh, Vijaya Srikanti, Kelly Flores

Meeting Notes:
- The focus was on understanding the current state architecture, data flow, and interconnects. The team aimed to map the current application state to the infrastructure and build out the target state architecture.
- The plan includes migrating the UI components to the cloud first, postponing the database migration due to dependencies with BH Facets.
- The team discussed the process for setting up Google Cloud projects, which is different from the Azure track. They aimed to understand the process and coordinate with the relevant teams. CMCoE will reach out to Kannan for help in setting up the cloud projects and ensuring smooth collaboration.
- Current state architecture diagram was reviewed, which included the tech stack (Java, Spring Boot, MySQL, Nginx, Docker, Kubernetes, Grafana) and the use of Jenkins and Helm for CI/CD and container management.
- The plan includes moving from Jenkins to GitHub Actions for CI/CD.
- The architecture involves dependencies on other systems like BH Facets (Oracle database) and Sybase for CBMS.
- The team discussed issues with interconnectivity and file sharing, particularly the use of NAS mounts for batch processes.
- Also mentioned was the need to address security vulnerabilities and ensure proper authentication using LDAP for internal users.
- CMCoE offered to assist with drafting an action plan, including setting up cloud projects, coordinating with DXC team, and gathering data volume metrics.
- Application team will provide database information, vulnerabilities, and other technical details to support the migration plan.
- CMCoE emphasized the importance of working with the network team to set up interconnects and ensure smooth migration.
- The tech stack includes Java, Spring Boot, MySQL, Nginx, Docker, Kubernetes, Grafana, Jenkins, Helm, and LDAP for authentication.
- The plan involved migrating from Sybase to MySQL and interacting with Oracle for BH Facets.
- The use of NAS mounts for batch processes was discussed, with a focus on ensuring proper file sharing and interconnectivity.

- CMCoE will work with the Application Team to prepare architecture for ARB review in two weeks.

Next Steps:
- CMCoE team will draft and share a recommended action plan.
- Application team will provide database information, vulnerabilities, and other technical details.

Meeting Recording: 📄 Agate Architecture Discussion-20250312_103339-Meeting Recording.mp4