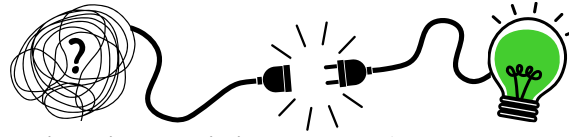


The Need

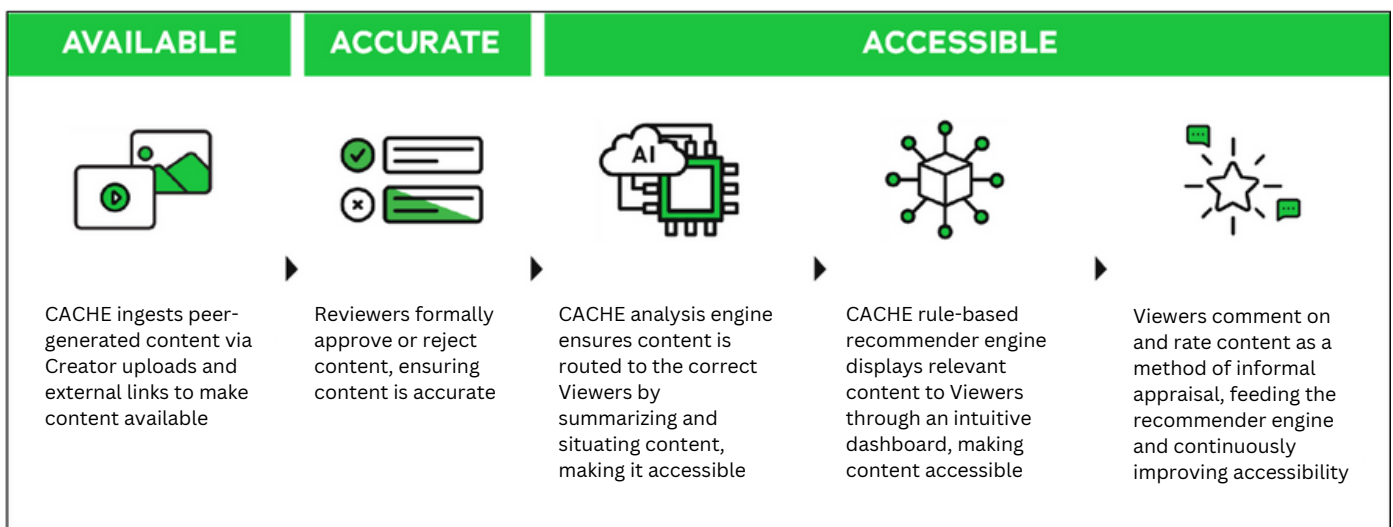


The Solution

The U.S. Navy seeks to modernize its training systems to provide training at the point of need. Traditional training is delivered via schoolhouses and commands, following formal processes with extended timelines. While these processes are critical, new methods are needed to **expedite the dissemination of newly acquired or expert knowledge**. Peer-to-peer knowledge sharing is a key component to enable training at the point of need, yet lacks the rigor of traditional training pipelines as well as consistency and reusability across the organization. Thus, there is a **need to improve the review of peer-generated knowledge, its workflow-based distribution, selection, organization, and interaction**.

Design Interactive and Old Dominion University developed a **Contribute, Approve, Curate, Hyper-distribution Engine (CACHE)** to make content **accurate, available, and accessible** at the point of need. CACHE is a web-based platform that utilizes content captured by and from Sailors and routes the content to **designated experts for review and approval**. This step ensures the content is accurate and meets all **safety, security, and completeness** requirements. **Content curation is expedited by an artificial intelligence (AI) dynamic tagging and recommender system** to present and organize relevant content for each Sailor based on key characteristics of both the Sailor and the content.

CACHE runs on a cloud-based web server and is extensible to local network access, providing knowledge sharing at the point of need.



Sharing knowledge from Sailor to Sailor is a tried-and-true method of supporting future generations

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