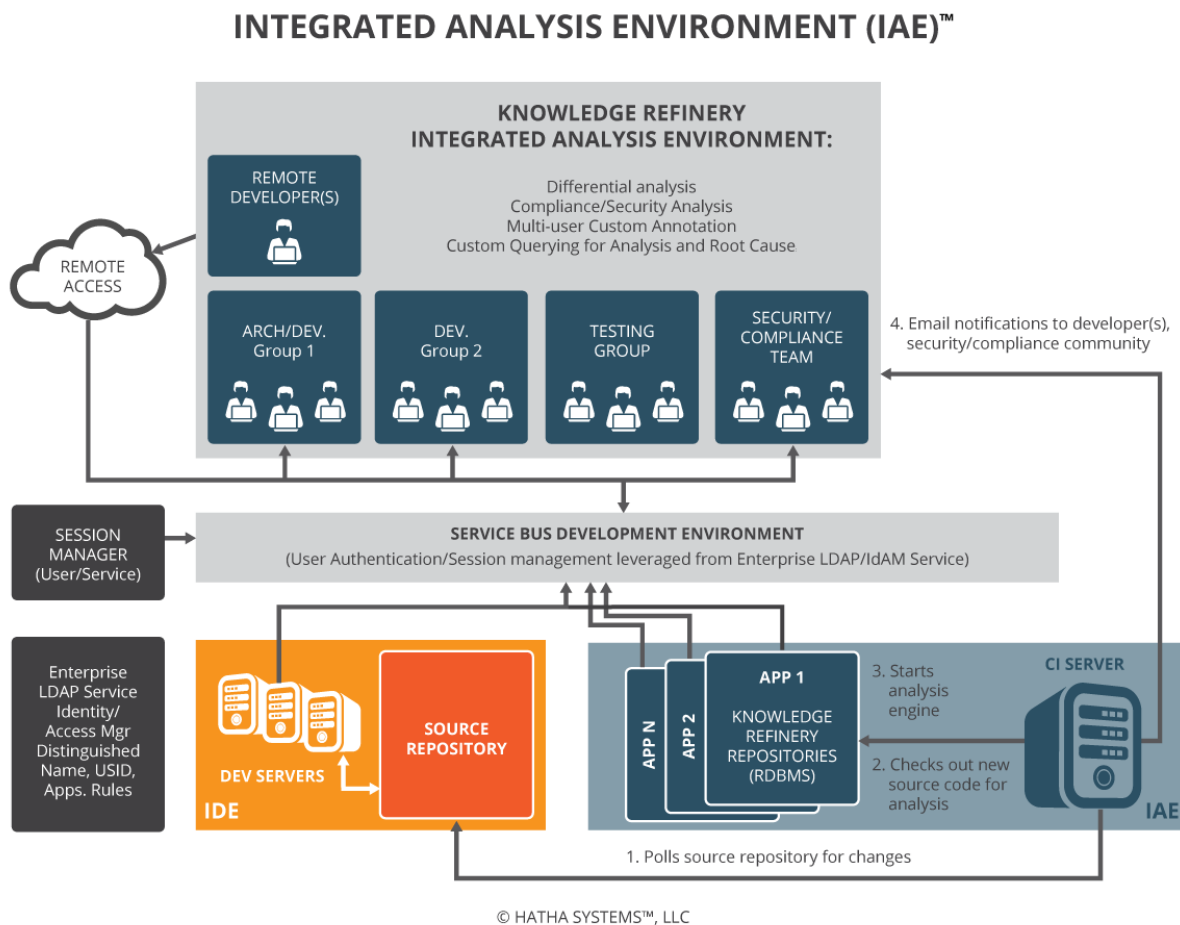


Integrated Analysis Environment™

The Hatha Systems™ Knowledge Refinery™ (KR) is the core engine in the establishment of an Integrated Analysis Environment™ (IAE) that can be used by technical and business analysts to perform comprehensive application and portfolio analyses. KR can be used to analyze individual applications as well as a portfolio of applications. Integrating KR into your existing software development life cycle (SDLC) enables you to create and document a baseline of the current technical and functional state of an application – or a portfolio of applications -- and allows the tracking and analysis of application change throughout its lifecycle. The implementation of KR into an SLDC requires KR and an automation server with access to the source repository which is usually residing in the configuration management environment. This combination is called an Integrated Analysis Environment (IAE) and is illustrated here.



Two unique features of KR in the IAE allow KR to keep pace with the changing application environment. First, KR has a feature called Differential Analysis (or more commonly called versioning). As the application changes and updates are applied by the developer(s) into the source repository, the IAE takes a copy of the changes and KR analyzes these changes, comparing them against the existing baseline. At this point, the powerful reporting, diagramming, and query features of KR can be used. The reports and queries, whether they are KR standard reports and queries or custom-developed reports and queries, can be used to analyze compliance, security, functionality, test case management or any number of other relevant factors to ensure the application(s) continue to align with business/mission and regulatory requirements. Reports and queries can be institutionalized and used across specific applications or a whole portfolio of applications, or a combination of the two. As requirements change, so too can the reports and queries. In this way, application and portfolio documentation is always accurate and up-to-date. The reporting of results can be communicated to designated individuals assigned to receive the results.

Keeping pace with application(s) and the ability to report the results to various stakeholders as the application(s) change, enables stakeholders (also known as trade space decision-makers) to have access to changes at nearly the same pace as the developers and architects for improved stakeholder communications. The reporting of the change results can be tailored to ensure the stakeholders are able to view only the changes of specific interest to them. -Security personnel seeking information on continued security compliance will receive those results that pertain to them. A business analyst who is focused on ensuring business logic meets with operational requirements is provided their specific needs, etc.

The Knowledge Refinery and the Integrated Analysis Environment give business and industry powerful tools that provide comprehensive, up-to-date knowledge; the ability keep pace with changes in requirements that support operational needs; and ensure continued competitive market differentiation.