

PRODUCT BRIEF - ANSYS EKM

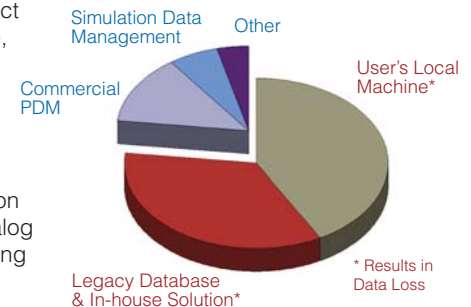
stream' line', v.t., to make more efficient or simple.

Engineers and designers face the challenge of finding the right information to make decisions for each product or process they develop. As simulation becomes a more integral part of your design and analysis process, it becomes increasingly important to implement effective organization and communication tools that streamline the management of your information and capture best practices.

Your Simulation at Your Fingertips

It's safe to say that many engineers who use simulation have come across these scenarios before: the search for a previous project's simulation case that you know you created, but are having trouble finding since it is currently buried in all of the other cases you kept copies of; or this one: you've created a simulation case, and, in the quest to find an optimal design, you've made, saved and shared numerous versions with various individuals, both inside and outside the team. As the project proceeds, you begin to lose track of what version is where, whose changes are the most recent, and which version is still being worked on — occasionally resulting in your time being spent rerunning cases just to be sure you know what you have.

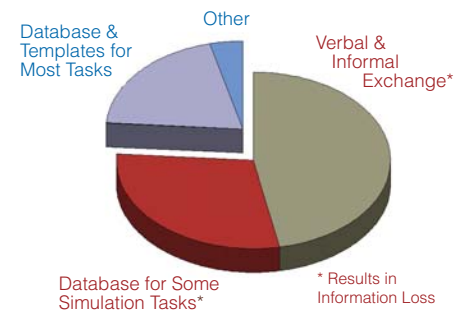
Sometimes, having no organizational tool for your simulation cases can be like having a library full of books but no catalog to help find what you're looking for. The ANSYS® Engineering Knowledge Manager™ (EKM) provides organizational and cataloging capabilities for your simulation efforts. Access to a tool that stores your simulation files and their related information makes it easy to find what you need, allowing you to spend your time focused on engineering and designing tasks.



Data Management Methods

Effective Communication

Engineering communication is a matter of being able to transfer essential information from one individual or team to another, in order to help both do their jobs effectively. Ineffective communication hurts the entire team, from the engineer who is trying to explain design challenges and concerns to his or her manager to the teams that need to consider factors that affect their development process and design — factors that often require information from external cross-functional teams. Effective communication supported by decision and process management tools can boost individual, cross-functioning team, and even enterprise-wide productivity when successfully incorporated.



Knowledge Exchange Methods

Data Source: CPDA 2007 Road Map Conference

Enabling a Collaborative Environment

In providing the backbone to your organization and communication needs, a simulation process and data management tool must be flexible enough to work within any environment, fit into any development process and be easily and always accessible to whomever needs it. The ANSYS EKM Web-based interface is a configurable workflow management and data access tool that can be set up to create a repository of users, workgroups and workflows all defined in an architecture that allows users to control who sees what and when they see it. It allows users to create data-handling and passing tools, provides report generation capabilities, supports configurable data mining templates that give team members — even those not familiar with simulation tools — access to simulation results, and can help with the implementation of best practices and the automation of repeatable procedures related to your simulation efforts.

