What is Octane?

Octane is a platform designed by Ucompass.com, Inc. that allows web-based content publishers to inject discrete, easily transportable, and modular applications into their content, regardless of where the content is hosted or which web browsers are in use. Octane accomplishes this by manipulating the content's Document Object Model (DOM), injecting tools and functionality directly into content without complicated integrations that waste time and money.

Activating Octane

Activating Octane within content is simple - only one line of HTML code (the Octane Fuel Cell) needs to be inserted into existing content in order to provide content consumers access to Octane Tools. Furthermore, the insertion of the Octane Fuel Cell can be facilitated automatically if a customer leverages the Octane Content Server Product, or makes nominal changes to their web server configuration. Octane applications themselves are designed to be very lightweight, and conform to practical Object Oriented Programming conventions.

The Injection Manager

Once the Octane Fuel Cell is injected into content, publishers can exercise incredibly granular control over the applications that get delivered to their content consumers through a robust and powerful Injection Manager application. Through the Injection Manager, publishers have the ability to inject applications based on:

- Role, based on those available in the IMS LIS Role Vocabularies
- Browser cookie values set by the publishing server
- Path to the content on the server
- Patterns in certain values related to content such as cookie values
- Custom metadata tags defined by publishers, as well as standard metadata schemes such at the Dublin Core
- Geolocation

Ucompass.com

3019 Shannon Lakes, North
Building #203
Tallahassee, FL 32309
t. 850-287-1800
e. info@ucompass.com

These options provide content publishers nearly infinite possibilities with respect to how Octane applications are delivered to users. As an example, a publisher could include a periodic table application only in Chemistry content, providing a valuable resource to students without bogging other students down with tools or functionality they do not need.

The Octane Experience

Octane represents a natural evolution of the traditional Content Management System (CMS) or Learning Management System (LMS) experience - an industry that Ucompass has succeeded in for over 13 years with Educator, our flagship Learning Management System product. With LMS and CMS systems, content is placed into platforms that provide a certain, restricted set of tools. Octane changes this paradigm by bundling tools directly within the content, enabling publishers to deliver a more "liquid" experience to their content consumers, delivering tools that benefit their users based on what they are viewing and their role with respect to the content (viewer, creator, reviewer, etc.).

Building Octane Tools

Finally, through powerful Software Development Kits (SDKs) and Application Programming Interfaces (APIs), developers can build their own Octane applications, which can be added to the central library of applications that publishers use, thus enabling a limitless array of potential Octane Tools and possibilities for monetization.

How Octane Works

Octane's architecture is comprised of several modular and highly scalable components, which ensures maximum flexibility for its deployment. From a user's perspective, all they will see is a tool icon or some added functionality injected into the page – all of the "back end" complexity is completely invisible to them.

Ucompass.com

3019 Shannon Lakes, North
Building #203
Tallahassee, FL 32309
t. 850-287-1800
e. info@ucompass.com

The following is a high level diagram of how Octane seamlessly energizes your content:
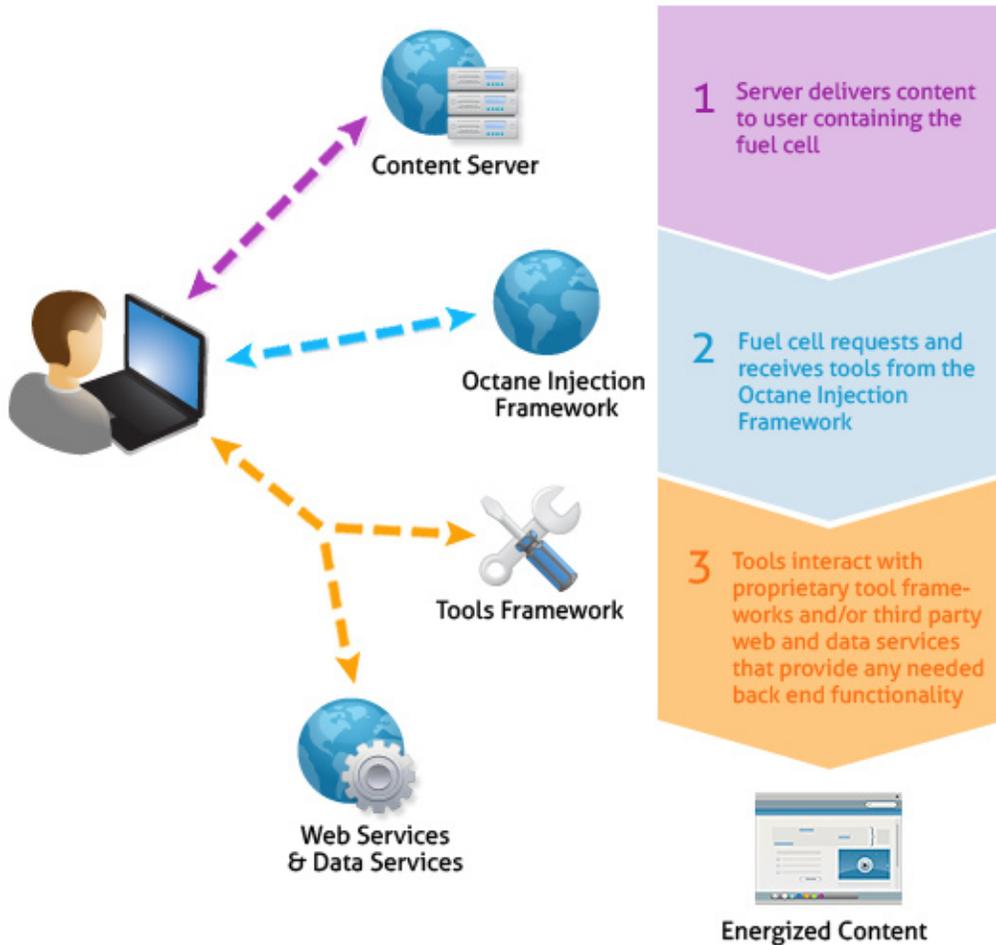
For more detailed technical information about Octane, please visit the Octane *Under the Hood* section on our website or email us at info@ucompass.com.

Ucompass.com

3019 Shannon Lakes, North
Building #203
Tallahassee, FL 32309
t. 850-287-1800
e. info@ucompass.com