

# Vega: Technical FAQs

Vega, an academic publishing system, offers a range of customizable features and workflows to interact with data and multimedia to take editorial management and academic publishing into the 21st century. Learn more about the project, which will be released in December 2017, at <http://vegapublish.com>.

## What is Vega built on?

Vega is built on a content management system called Sanity, a configurable JavaScript application. The main underlying component of Sanity is Gradient, which was developed specifically to support real-time collaboration and is document-oriented. Gradient stores everything related to Vega (users, article content, editorial workflows, messaging, etc.).

## What languages does Vega use?

Vega primarily uses JavaScript (Node.js, JSON) and Go (Google's open source programming language) as well as CSS (cascading style sheets) to operate.

## What languages do I need to know to work with Vega?

To manipulate Vega's back end, it's helpful to know basic JavaScript. On the front-end, you can create templates and publications in the programming language of your choice.

## How do I customize Vega to fit my needs?

You can create and use plug-ins to customize Vega or provide new interfaces. These plug-ins can be easily added to or removed from existing Vega installations.

## How can I use Vega to create a website for my publication?

Vega's front-end is open-source and customizable. You can build upon default web templates provided with the Vega package or create your own.

## How does Vega interact with other systems?

The Vega API (application programming interface) is a public application that can be shared with other systems, making it simple to integrate Vega content and editorial processes with existing systems.

## What hosting options do I have?

The Digital Publishing Institute (DPI), housed within West Virginia University Libraries, is the institutional home of Vega and will provide fee-based, online hosting services. Additionally, the DPI will offer editorial and layout services. Interested editors and publishers can contact the DPI at <http://dpi.lib.wvu.edu>.