The Alma Technology Platform was designed from the ground up for performance, scalability, flexibility, and, most importantly, security. Every aspect of the platform has been built to ensure that your school's data is safe, secure, and protected. Moreover, Alma is resilient to failure, while utilizing tried and true best practices in high availability design and leveraging the capabilities of our internationally recognized hosting provider.

Web-based

- Alma is a web-based, cross-browser application that works equally well on a PC, Mac, iPad, or other tablet.
- No downloads are required to use our software – everything is available via your web browser.
- Alma supports the latest versions of the most popular internet browsers: Chrome, Firefox, Internet Explorer, and Safari.

Functionally and technically integrated

- Alma's SIS/LMS platform is truly all-in-one. There are no separate logins to manage and no cumbersome data synchronization is required.
- Alma's reporting solution is built-in and, like the rest of the application, it is available via the same application login in the web browser.
- Alma integrates with numerous 3rd party vendor platforms.

Built on proven industry-standard technology

- From the top of our stack to the bottom, Alma is architected and built on proven, industry standard technology.
- HTML5/CSS3 and Javascript form the basis of our front-end user experience. There are no plugins or other tools to install.
- Behind the scenes, we leverage the high performance web server Nginx which, with its event-driven and asynchronous architecture, allows us to scale to easily handle peak demand.
- The core of our application is built with PHP (which runs a significant portion of the web).
- We leverage MongoDB as our database server. We realize that not every district is the same, and MongoDB's dynamic schema allows us to meet your unique data needs. Unlike traditional RBDMS, MongoDB was built from the ground up for scale. With automatic scaling features, the ability to handle petabytes of data and hundreds of thousands of operations per second, MongoDB makes it easy for us to offer high performance reporting on large datasets.
- Our SQL reporting server lets you append any third party business intelligence software to generate reports.

High-performance, scalable, and fault tolerant

- Alma is hosted on Amazon Web Services (AWS), a proven leader in the world of cloud-based infrastructure hosting. AWS allows us to host the Alma platform in multiple availability zones and locations to ensure all users can always access their data.
- Alma's highly flexible design allows us to easily scale for schools large and small. Every aspect of our application is load-balanced and redundant to ensure that you have access to Alma without interruption.
- Each school's data is secure and protected. Our multi-tiered design, coupled with commerce-grade encryption, keeps sensitive student information safe. Moreover, each school's database is separate and distinct with its own keys for access.
- User error happens. We back up all school data on an hourly basis to ensure we can easily restore your data should you need it. Hourly backups are kept for several weeks.

Rethink SIS.
One Platform. Hundreds of features. Limitless insight.

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