



# ADAM Product Overview



## Meet ADAM

The **ADAM** Assessment Delivery and Management Platform was built by MZD to power the future of assessment with flexible, scalable, and secure tools engineered for the real-world needs of educators, and designed to uniquely enable more authentic measurements of students' knowledge and skills.

ADAM provides a robust and versatile platform to support the full assessment continuum from authoring to administration to scoring and reporting. This modern assessment technology system is designed to be extensible and consists of a robust underlying modular framework that supports high volume capacity, dynamic scalability, and data security.

## The Future, Yet Familiar

While other platforms might offer similar functionalities, ADAM embodies numerous benefits not available through other systems -- a powerful combination of features, cost value, ease of infrastructure management, student and a teacher-friendly interface, scalable and extensible technologies that enable innovation, and the unique expertise of the MZD team.

Most other online assessment tools are merely computer-based versions of the same test management processes that have always been around, for the same kinds of tests that institutions have been administering for decades -- and many of those tools are more-or-less just digitized versions of paper-based approaches. In contrast, ADAM -- along with OSCAR and EMMA -- were born as technology to truly leverage the advantages and aspirations that digital assessments can offer for modern teaching and learning.

## Infrastructure for Innovation

ADAM is provided as a Software as a Service (SaaS) platform and as such, is infinitely scalable to ensure seamless assessment administration and safeguard secure assets and student information. The comprehensive platform is designed with well-documented APIs that facilitate Single Sign-On (SSO) and seamless integration with other educational infrastructure components such as Learning Management Systems, Student Registration Systems, and Data Warehouses.

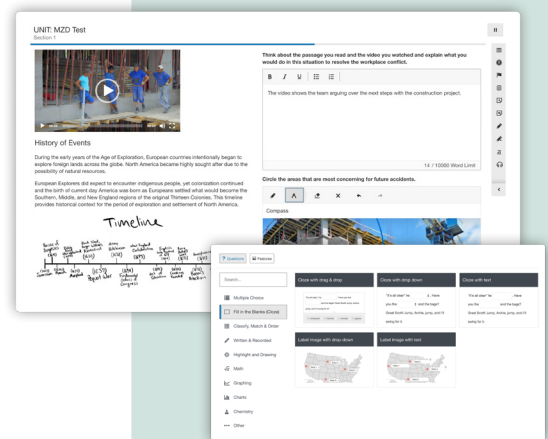
To further enhance our customer's assessment capabilities, MZD works with a range of partners to provide integrated services, bundled within their ADAM system, that operates seamlessly within the administrator and test-taker experience. Examples include Remote Proctoring and Biometric Identity services.

ADAM's powerful technology framework provides a broad set of flexible functionalities that can be customized for specific assessment requirements. This ensures the highest levels of system stability and scalability along with the flexibility to readily accommodate new requirements that may be needed by our customers over time.

## Embodying Educator-Centered Technology

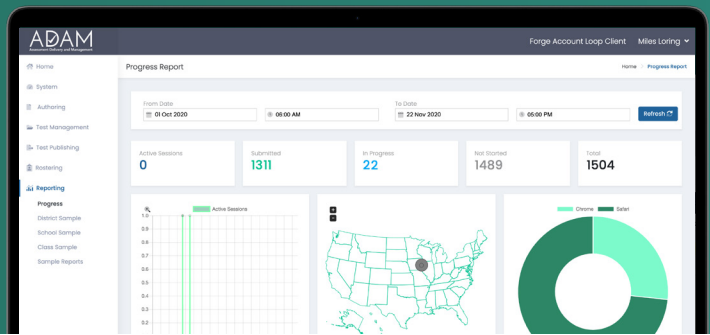
ADAM was created to embody, with technical tools, the movement away from the simplistic assessment of learning toward a more sophisticated assessment for learning. As educators, technologists, and assessment professionals ourselves we also wanted to make technology that understands the practical needs of schools, districts and states at its core. With these goals in mind, the MZD team set out to build new and better tools that place the how and what of measurement at the center of the technical architecture and functional design.

As a full-featured assessment platform, ADAM includes innovative item authoring and banking capabilities, test form configuration, student data management, student rostering, assessment assignment, session administration, and monitoring, as well as robust yet easy to use reporting capabilities.





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## ADAM Key Features:

### Next Generation Item Authoring

- 75+ item types, including innovative TEI's
- Embed video, audio, images, and other multimedia into items
- Item authoring in QTI
- WYSIWYG content authoring tools
- Preview item layouts, functions, and scoring during authoring
- Pre-configured templates for popular question types

### Accessibility and Accommodations Features

- Web Content Accessibility Guidelines (WCAG) version 2.0 (level AA) and Section 508 compliant
- Configurable accessibility features include color contrast, keyboard navigation, magnification/zoom, line reader, response masking, accessible math, and screen-reader support

### Robust Item Banking

- Search, filter, and report across item banks
- QTI compliant item banking

### Flexible assessment creation & form management

- Configure tools and features for each item & assessment

### Online and low-bandwidth test delivery

- Lockdown browser support across multiple OS/devices.
- Local proctor monitoring of active test sessions
- Engineered for integration with third-party remote proctoring

### Diverse Scoring Options

- Automated machine scoring of digital items and TEIs
- Integrated OSCAR platform for manual/human scoring of constructed responses and performance assessments
- Optional automated essay scoring with EMMA integration

### Configurable data dashboards and score reporting tools

## ADAM System Benefits:

### Flexible

- Administer assessments on any device including tablets, laptops, desktops
- Support all common browsers and operating systems
- Deliver secure tests and non-secure practice items
- Robust assessment administration features including rostering and scheduling
- Define your authoring and approval workflows
- Customizable metadata

### Extensible

- Manage multiple item banks
- Easily integrate with Learning Management Systems (LMS) and other third-party platforms via APIs and/or Learning Tools Interoperability Framework (LTI).

### Secure

- FERPA, COPPA, HIPAA, and GDPR compliant
- Secure content management and assessment administration
- Configurable role-based and permission-based authorizations
- Encrypted data transmission and secure cloud storage
- Security and Privacy ensured by SOC 2 Type 2 Certification

## ADAM Performance:

- Proven scalability and system performance
- Easily supports 200,000 concurrent test-takers
- Tested with over 2 million simultaneous test-taker tasks without any discernible degradation in access or system responsiveness
- Secure and scalable cloud-based hosting through Amazon Web Services
- Build on a technical framework used to administer over 1.3 billion assessment questions annually
- Technical support provided by MZD's expert engineering team