

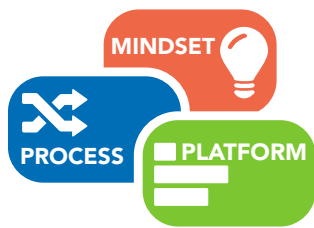
# MICIP

MICHIGAN INTEGRATED CONTINUOUS  
IMPROVEMENT PROCESS

The Michigan Integrated Continuous Improvement Process (MICIP) is a pathway for districts to improve student outcomes by assessing whole child needs to develop plans and coordinate funds.

[www.michigan.gov/mde-micip](http://www.michigan.gov/mde-micip)

MICIP is comprised of a mindset, process and platform.



- **Mindset** is thinking about continuous improvement as constant with the whole child, systems, and equity at the forefront.
- **Process** is the Michigan Continuous Improvement Cycle which is comprehensive and iterative. Needs and Assets are assessed by analyzing whole child and systems data. Plans are developed to address challenges identified through root cause analysis and include evidence or research-based strategies as well as blending or braiding of funds. Implementation occurs with Monitoring and Evaluation to ensure implementation achieves the intended impact.
- **Platform** is a streamlined web-based application, with integrated tools and resources, that facilitates dialog around continuous improvement and provides a place for districts to record their thinking that will lead to continuous improvement plans.

## Benefits of MICIP

- ✓ Consolidates the comprehensive needs assessment process
- ✓ Builds the consolidated application
- ✓ Prepopulates data into the platform to facilitate the process of assessing needs
- ✓ Aligns across compliance requirements, resulting in a greater focus on improved student outcomes
- ✓ Reduces time and duplication of effort in building plans with the integration of embedded tools and resources
- ✓ Reduces reporting by engaging in multi-year cycles of continuous improvement
- ✓ Focuses on the whole child, including on areas that influence (or impact) academic achievement

## Additional Information

The MICIP Platform is developed in a unique partnership between the Michigan Department of Education and Michigan's Public Schools, with the Michigan Association of Intermediate School Administrators.

The MICIP Platform is a custom-built application that integrates with the State of Michigan grant and cash management systems, MiStrategyBank (independent strategy repository), and the Center for Educational and Performance Information (center for collective, managing and reporting educational data).

## What is the MICIP Platform, how does it work, and can it be used in other states?

Platform Technologies: The application is hosted within a virtual private cloud on Amazon's AWS cloud infrastructure. The application is a single-page design using Ember JS for the customer-facing application and .NET for the business logic and other backend functions. Data is stored in MS SQL databases and AWS S3 containers. All data is encrypted, in transit, at-rest, and in servers.

MICIP integrates with several data sources so clients may interact and integrate with data visualizations from other systems. The application also allows district uploaded data visualizations (e.g., pdf, jpeg) for the use of locally-sourced data. Integrations are completed via API connectors so visualizations are real-time. Finally, the MICIP system also has a MICIP Portfolio API which allows external systems to ingest portfolio level data from the MICIP application. Security is built-in to all APIs. Development follows the State of Michigan's NIST SP 800-53, Level 4 framework for security.



## Key Integrations for Operation

Built on a foundation of integrated systems MICIP is a stand alone platform but it's functionality is enhanced or "Powered By" three key MAISA systems:



The **Michigan Data Hub** is a collaborative, statewide effort to address challenges in managing and using school data. Using MiDataHub, local districts can exchange data between educational data systems based on predefined (EdFi and One Roster) standards.

Michigan's nearly 900 districts use **MiLaunchPad's** Single-Sign-On to access MICIP and it's related systems using local usernames and passwords. Districts simply connect or 'federate' their district Google, Microsoft AD or Azure AD to MiLaunchPad, eliminating the need for additional user accounts.

**MiStrategyBank** is an electronic clearinghouse of strategies designed to connect educational data systems, promote and support best practices, and provide information regarding the implementation of strategies. Strategies from MiStrategyBank are integrated to support local goals in district improvement plans created in MICIP.

To learn more about MICIP, please see the wealth of resources available at the Michigan Department of Education's website at [MDE - Michigan Integrated Continuous Improvement Process \(MICIP\)](#) or contact Dr. Theresa Nugent, MICIP Lead ([nugentt@michigan.gov](mailto:nugentt@michigan.gov)). To begin investigating a technical partnership to bring MICIP to your State, please contact MAISA (Tom Johnson [tjohnson@gomaisa.org](mailto:tjohnson@gomaisa.org)).