



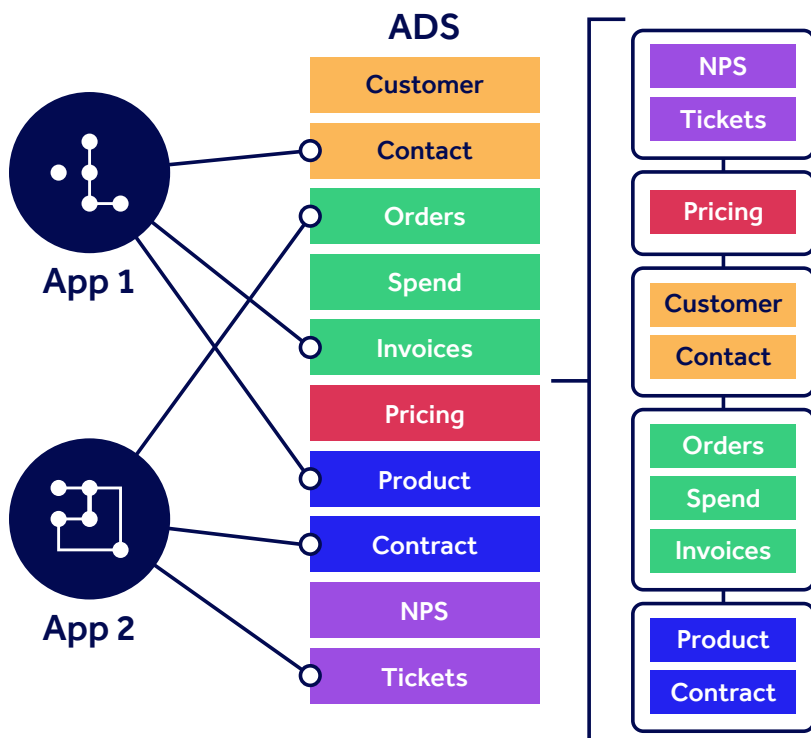
Appian Low-Code Data

Unify, extend, and act on data—no data migration or coding required.

Data is the heart of your organization. Today's organizations have access to more data than ever before, but actionable insights either don't exist or are hidden in specialized reporting tools that are out of reach. This makes building applications that incorporate all the relevant data difficult and time consuming.

Appian low-code data breaks down data silos, quickly connecting data from various enterprise systems without writing a single line of code. It lets you perform zero-code data integrations and use pre-built connectors. Low-code data is automatically optimized for performance using Appian Data Server, no performance tuning or database programming required.

Breaking down data silos



Low-code data makes it easy to do the following:

- **Merge** data from multiple sources.
- **Model** and transform connected data.
- **Improve user experience** with real-time analytics, reports, and interfaces.
- **Perform** at scale with automated performance tuning.

Appian low-code data simplifies and accelerates how organizations build data-powered apps and workflows.

With low-code data, your application development is accelerated and the value of the diverse data throughout your enterprise is maximized.

What are Appian Records?

Records is how enterprise data is represented in Appian. Unlike traditional database records, Appian Records allows you to view and modify your business information from a number of different perspectives and take action in the context of that information.

What is Appian Data Server?

Appian Data Server (ADS) is our patented native data and analytics engine that achieves the speed benefits of an in-memory database, with a significantly reduced cost and resource impact.

Data is cached into ADS, which automatically optimizes for dynamic data models and ad hoc queries to ensure consistent read and write performance regardless of which app you're building.

This allows you to operate with the benefits of onsite data, while leaving your source data where it is. When you view or interact with record data, Appian executes queries from the cached data instead of the external data source.

Benefits of Low-Code Data.

Swift data access

Sync up to 100 million data points.¹

Merge data across any RDBMS and web service.

Ability to sync only the data needed.

Fast insight to action

Eliminate the need to design user interfaces and usage patterns before configuring a data model.

Extend data with custom data fields using no-code templates.

Create infinite data relationships without extensive database programming:

- One to one
- Many to one
- One to many

1. 1 million rows with 100 columns

2. Compared to performance of a tuned database

Rapid Reporting

Deliver applications with a unified view of data in real-time.

Accelerate:²

- Reports 4x
- Search 4x
- Dense data list load 5x
- Data sort 9x

Eliminate the need for load tests.

Accelerated Development

Build data-driven apps and workflows faster.

Save time with zero-code integrations and pre-built connectors.

Avoid the need to rip and replace core systems.

The power of Appian low-code data.



T-Mobile uses Appian to get more systems talking to each other, enabling humans to see the value of the information in front of them.³



VON DER HEYDT

Bankhaus von der Heydt uses Appian to quickly respond to external demands for data without needing to change legacy systems.⁴

3. [Blog: 5G Meets Low-code: Innovation Backbone for the Post-COVID World, June 2021](#)

4. [See full customer story](#)