meroxa

Data Apps

VS

Web Apps

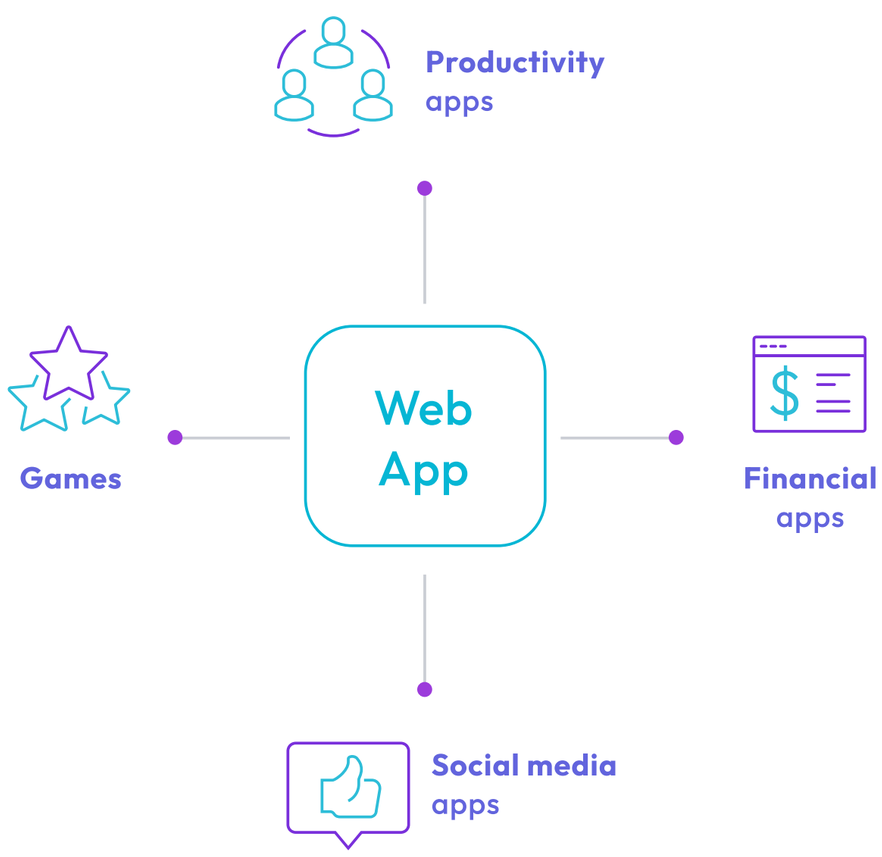
The success of Web 2.0 has led to systems that produce and maintain extremely large volumes of data. Managing and manipulating all of this data has led to the creation of a new type of app: the data app.

Data apps are the perfect solution to the growing complexity of data-driven applications and the complex data architecture required to process all that data. However, there is a lot of confusion around what makes data apps different from web apps.

Let's take a closer look.

What is a web app?

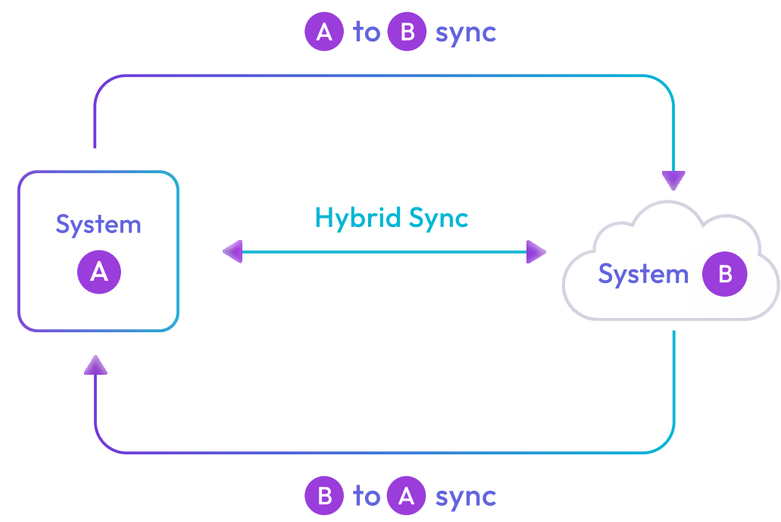
Most developers are familiar with the idea of a web app, which responds to a user performing tasks through an interface or API. These apps give you the ability to create web-based solutions to solve a customer's problem.



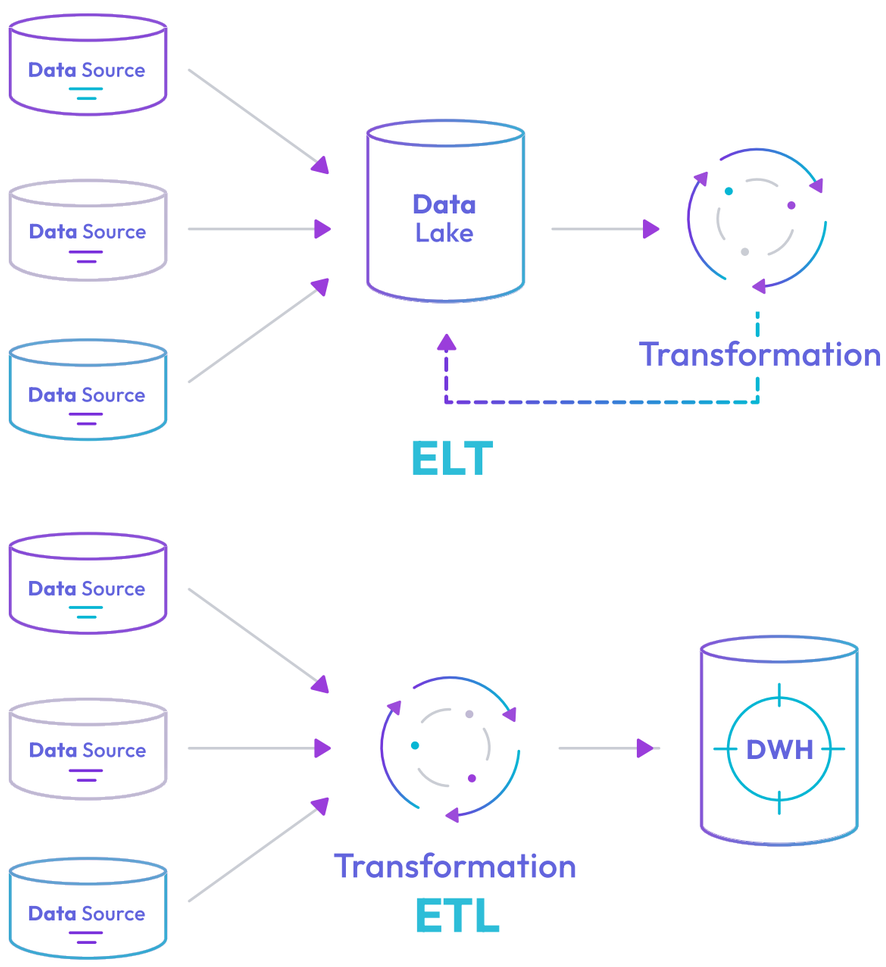
What is a data app?

On the other hand, data apps use real-time or near-real-time events to create data-focused solutions to solve customer problems.
They do this by:

Persisting/syncing data and events between and on data infrastructure



Transforming and Manipulating data between and on data infrastructure.



While web apps typically involve both front-end and back-end layers, data apps operate on the back-end only, interacting directly with the relevant data.

How data apps solve problems

Streaming with real-time or near-real-time data processing is important for modern data processing applications, but it can also be incredibly complicated.

Data apps can listen and respond to data infrastructure changes as they happen, provide discrete functionality across data systems, and serve data back to where it's needed for your customers and infrastructure. All of this can be done without having to rely on your database or infrastructure team.

Benefits of data apps

Data apps (like those built with Turbine) have several benefits that go beyond increasing overall efficiency. First, data apps allow developers to focus on the application code itself rather than managing complex infrastructure and cloud-related operations.

Also, data apps allow new engineers to become familiar with and contribute to codebases much faster. When less time is spent trying to understand architecture and resource management, more attention can be paid to the overall application logic.

Build data apps quickly with Meroxa

Building data apps with the Turbine framework is the perfect approach to today's complex real-time and near-real-time data processing needs.

Our developer-centric, code-first tooling lets software engineers maximize the time spent building data products as opposed to maintaining fragile data systems that weren't designed for developers. With Meroxa, you can build, test, and deploy real-time data applications in a matter of days, not months. The ability to approach a normally complicated data problem with a straightforward codebase is a game-changer for developers.

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