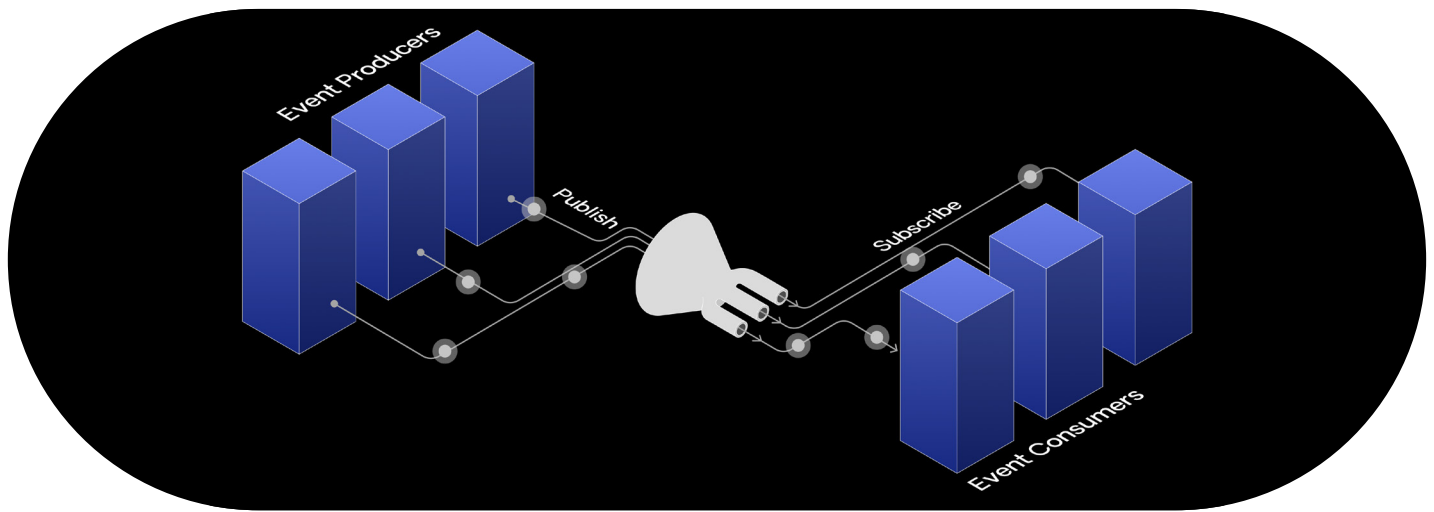


# Event-driven Architecture

Loosely-coupled services for resilient systems



Most businesses have an app landscape built on traditional, request-driven architectures composed of tightly-coupled services that are easy to disrupt and hard to scale. When one link in the chain breaks, the entire system breaks. Plus, their reliance on synchronous communication makes near real-time exchanges almost impossible. These monolithic workflows are not only hard to manage—they threaten innovation, and they harm user experience.

OutSystems Event-Driven Architecture makes it easy to build event-driven applications based on loosely-coupled services that provide more flexibility, simpler scalability, and better reliability. By moving from request-driven to event-driven communication using the Pub/Sub mechanism, you can take advantage of a more resilient and more reliable architecture. By using OutSystems to do it, you can get all the benefits of EDA—with less custom code and fewer dependencies.

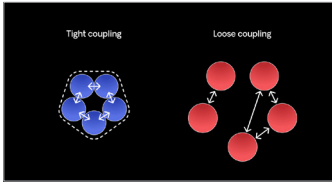


“The main purpose of composable architecture is that you should never build something where you are stuck in a corner.”

**Jonathan Hammander**, Tech Lead,  
Green Cargo

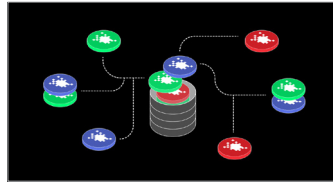
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## Key features and benefits



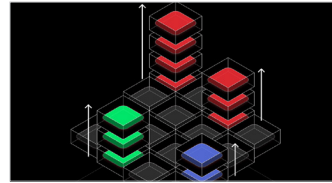
### Loosely coupled, less complex

EDA enables a loosely-coupled landscape for more flexibility and fewer disruptions. With OutSystems, you have the unified tool you need to make EDA a reality.



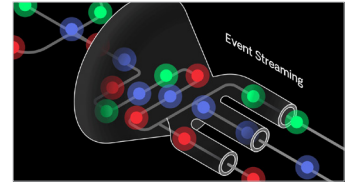
### Move from monoliths to microservices

Break down monoliths into nimble microservices. Easier to build, easier to change, and easier to manage.



### Scale easy, scale often

Event-driven architecture makes scaling simple. Easily respond to changing business needs by scaling individual components on demand.



### Get real-time (and async) with Pub/Sub

Use the Publish/Subscribe messaging pattern to enable real-time and async communication—without dependencies. Goodbye, delivery failures; hello, reliability.



Loose Coupling



High Throughput



Pub/Sub Model



External broker integration

More modern, less monolith. Build resilient systems with OutSystems Event-Driven Architecture

[Learn More](#)

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