

Build an Event-Driven Architected Microservice

| from Scratch



Who is Chad Green

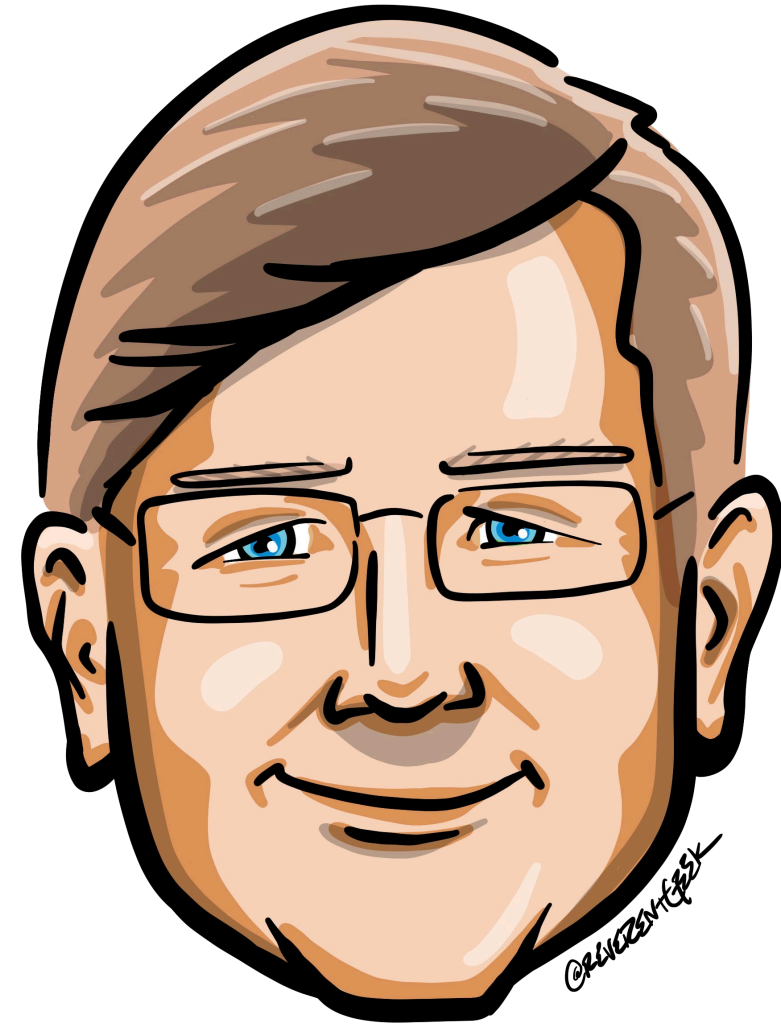
✉ chadgreen@chadgreen.com

💬 TaleLearnCode

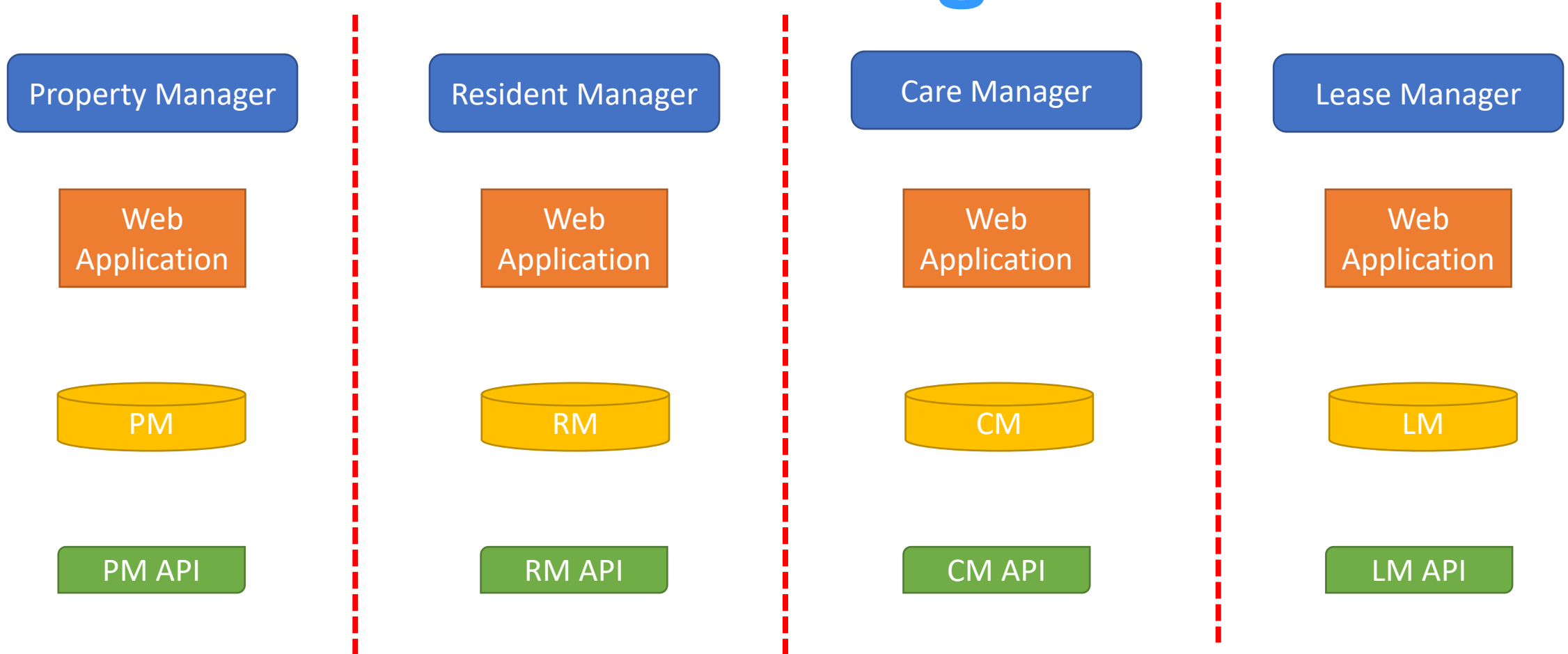
🌐 ChadGreen.com

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📌 ChadwickEGreen



Northstar Senior Living



User Story – Resident Move-In

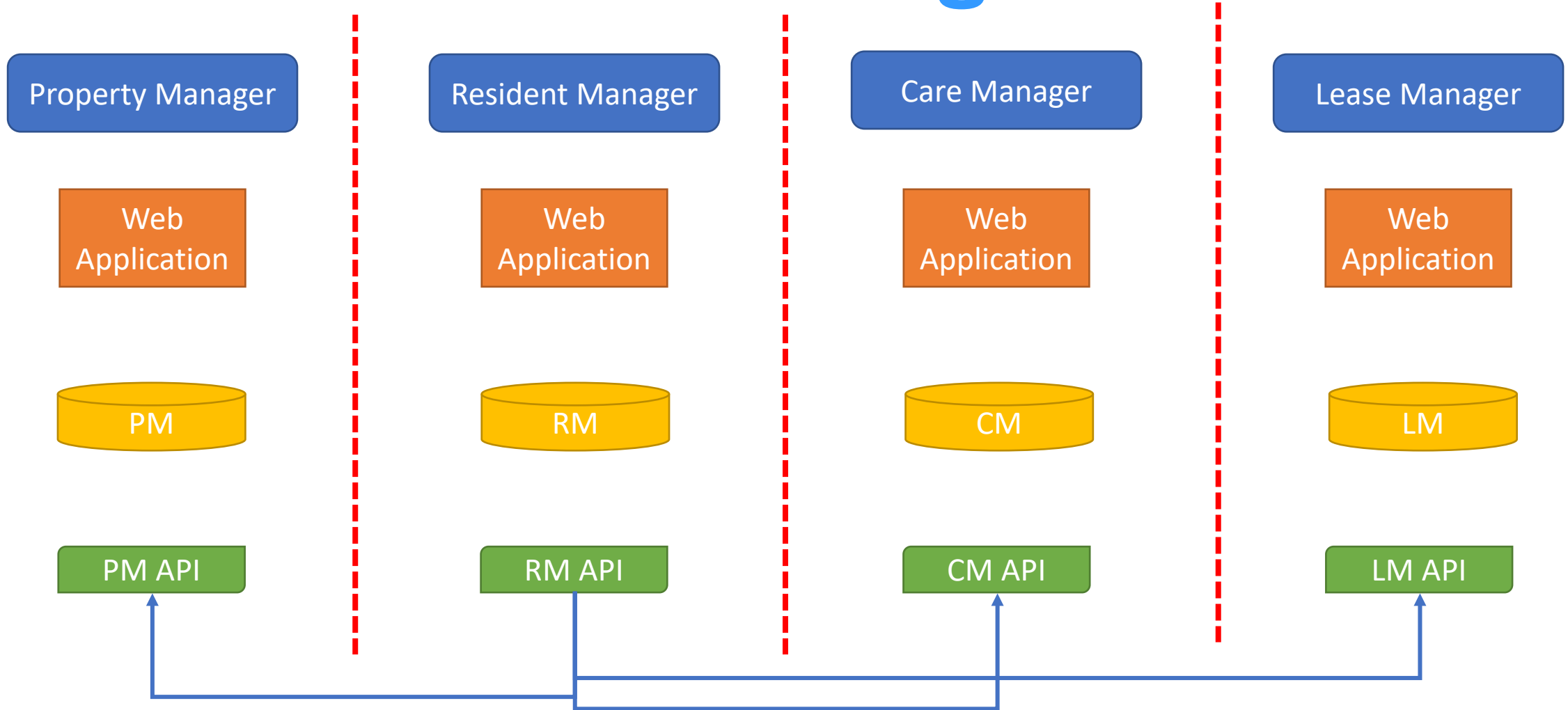
User Story

As a community manager, I want to move in a prospective resident so they receive the benefits of being a resident.

Acceptance Criteria

- Resident record created in Resident Manager.
- Lease record is created in Lease Manager and payment activities start.
- Resident initialized in Care Manager and care activities start.
- Appropriate property records are updated to reflect the move-in.

Northstar Senior Living



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- Appropriate property records are updated to reflect the move-in.
- Handle the ability for future actions upon a user move-in.

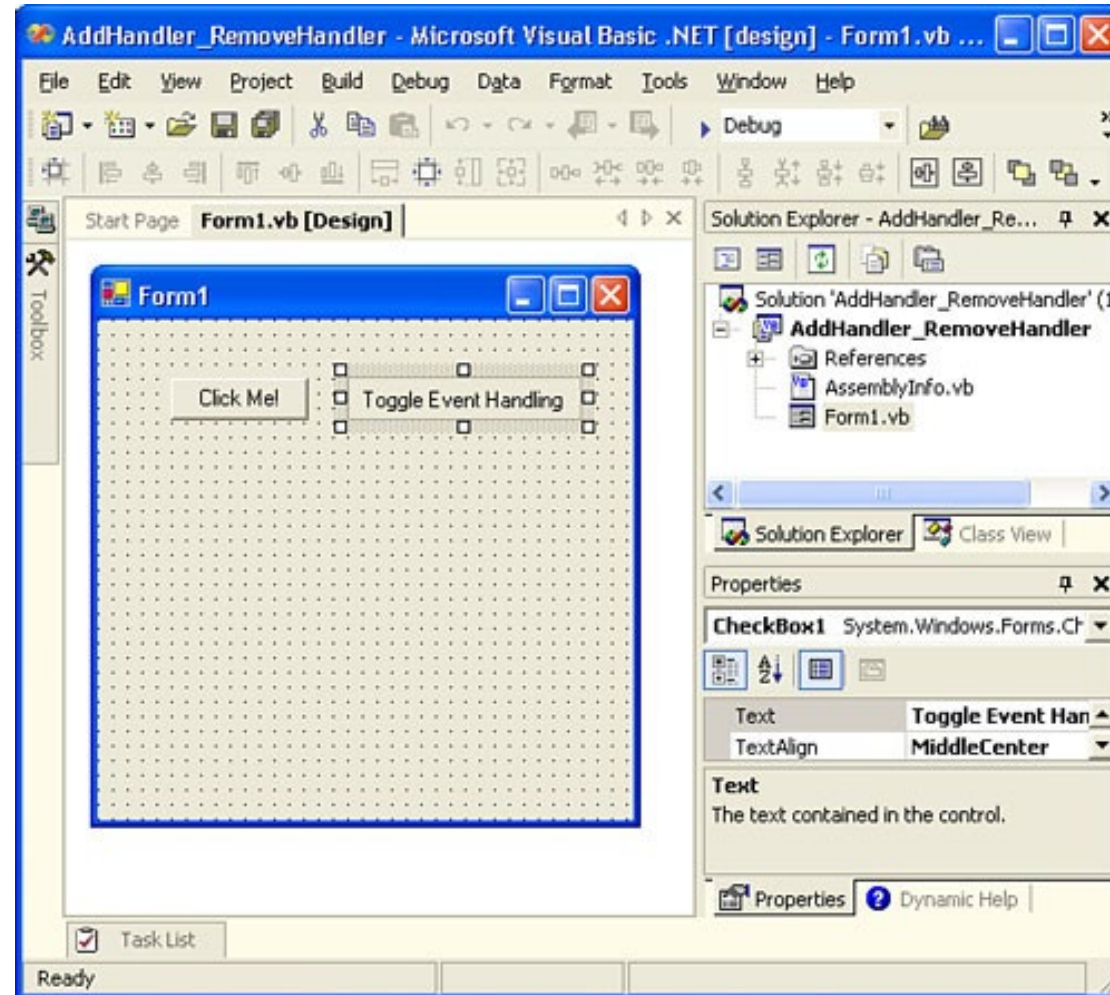
Event-Driven Architecture



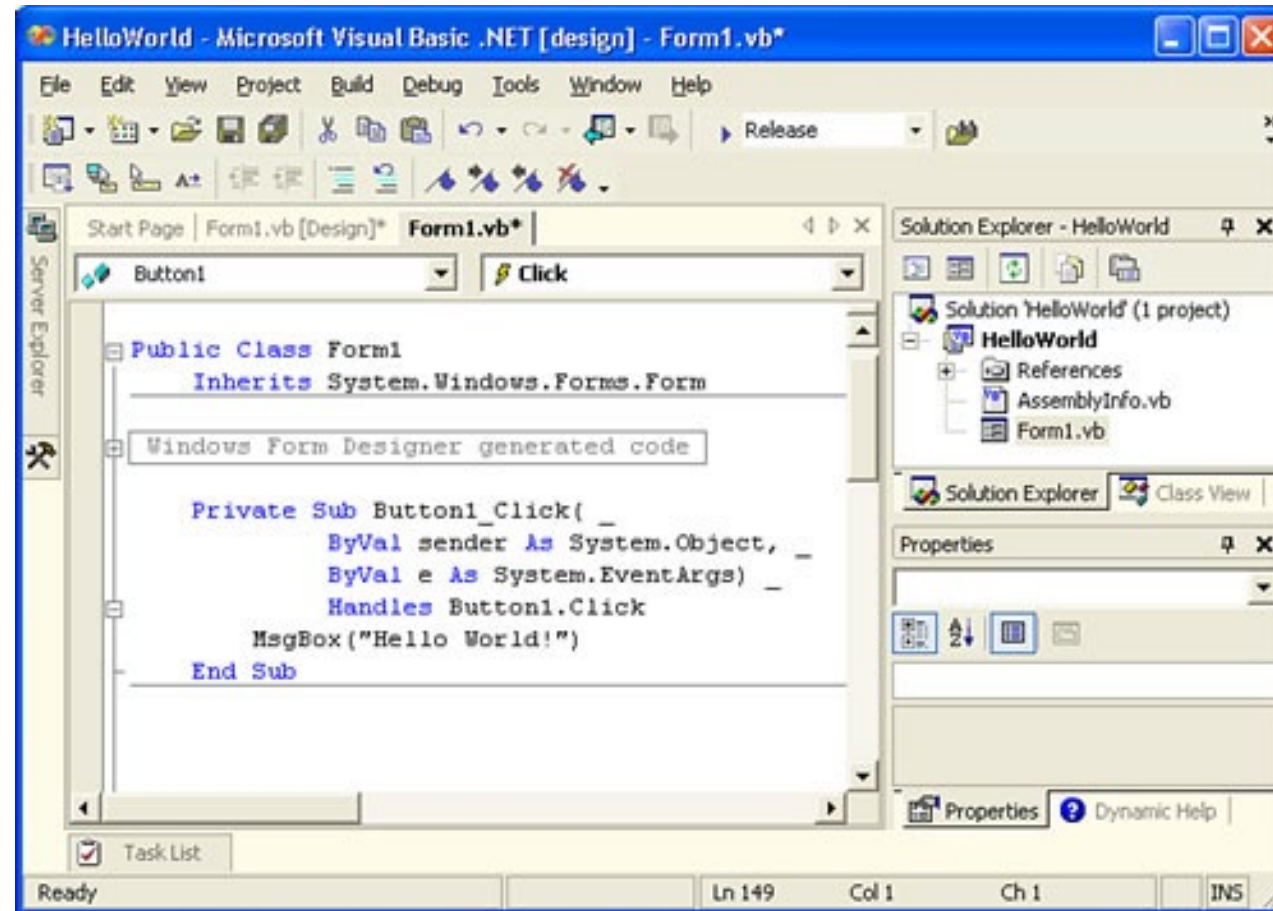
A software architecture pattern promoting the production, detection, consumption of, and reaction to **events**.

- Wikipedia -

Event-Driven Architecture



Event-Driven Architecture



Event-Driven Architecture



Event-driven architecture (EDA) is a design paradigm in which a software component executes in response to receiving one or more event notifications.

EDA is more loosely coupled than client/server paradigm because the component that sends the notification doesn't know the identity of the receiving components at the time of compiling

- Garner -

Event-Driven Architecture

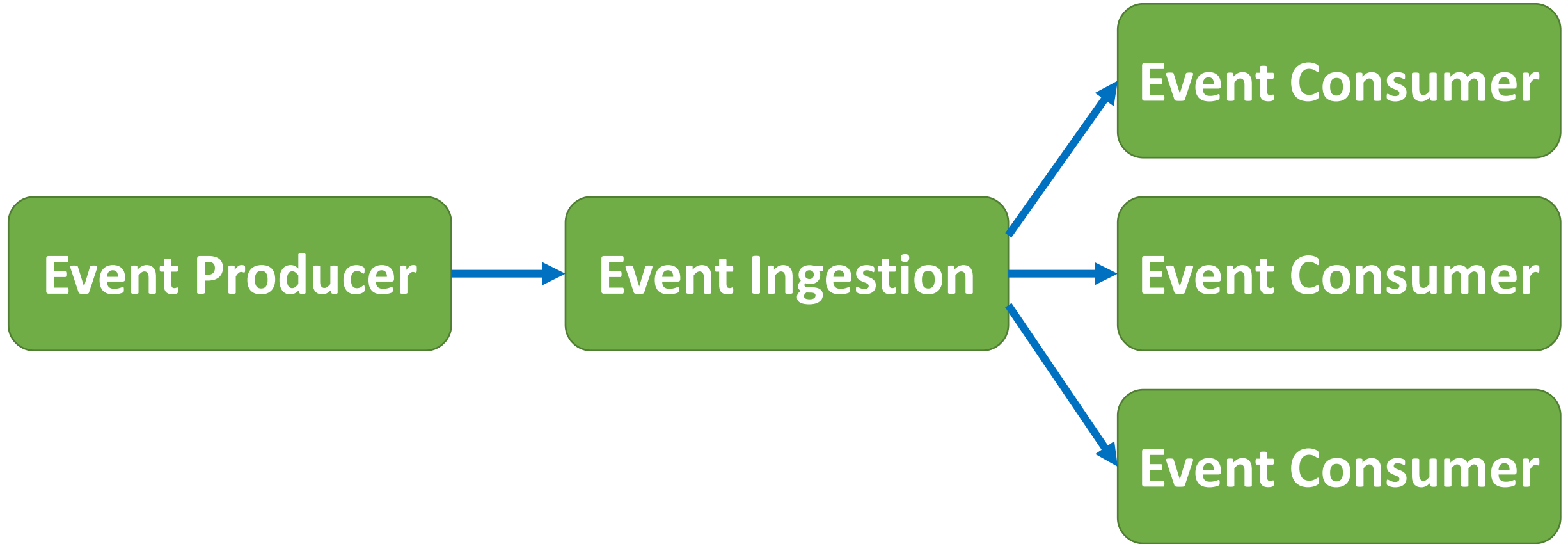


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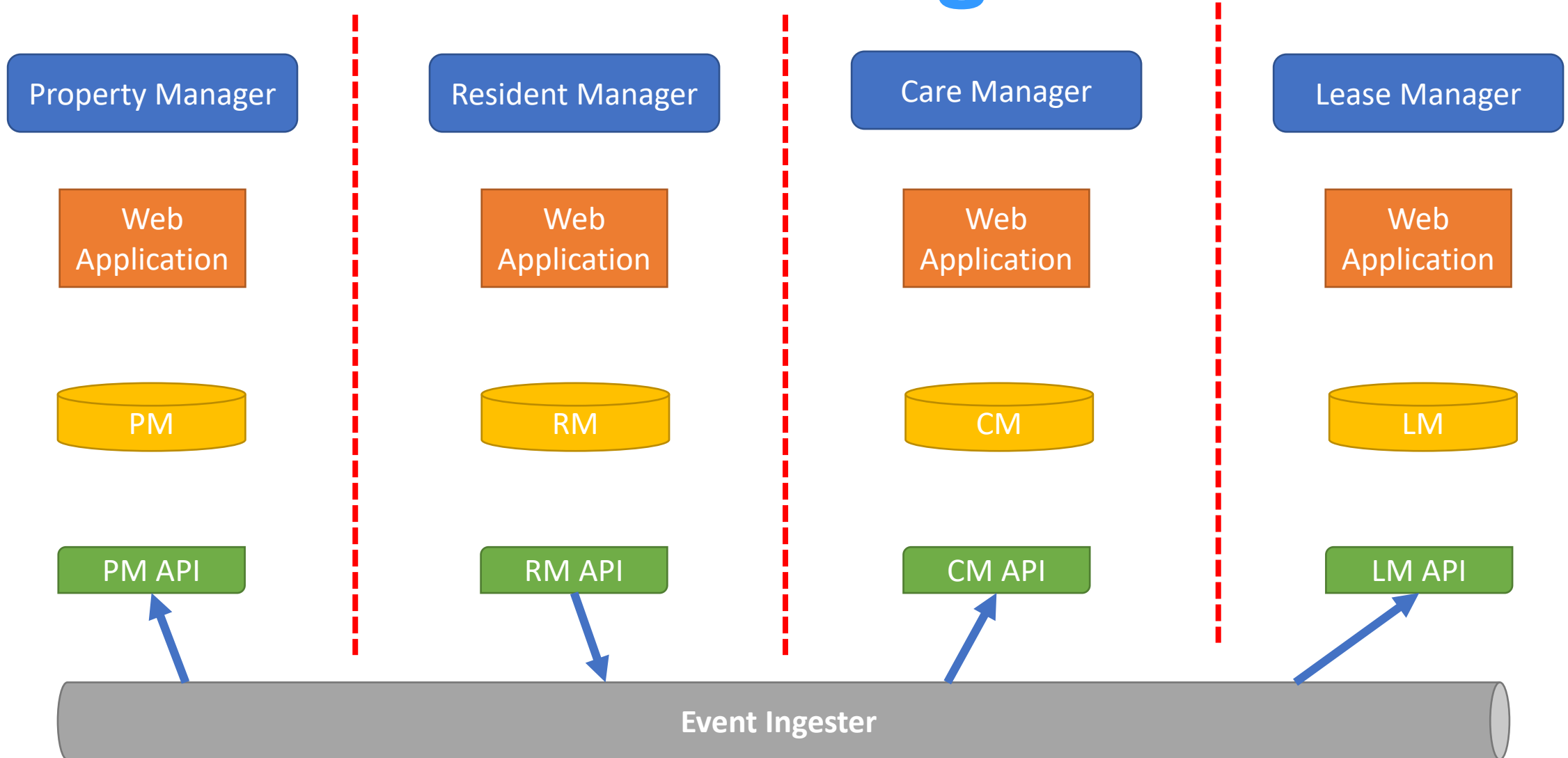
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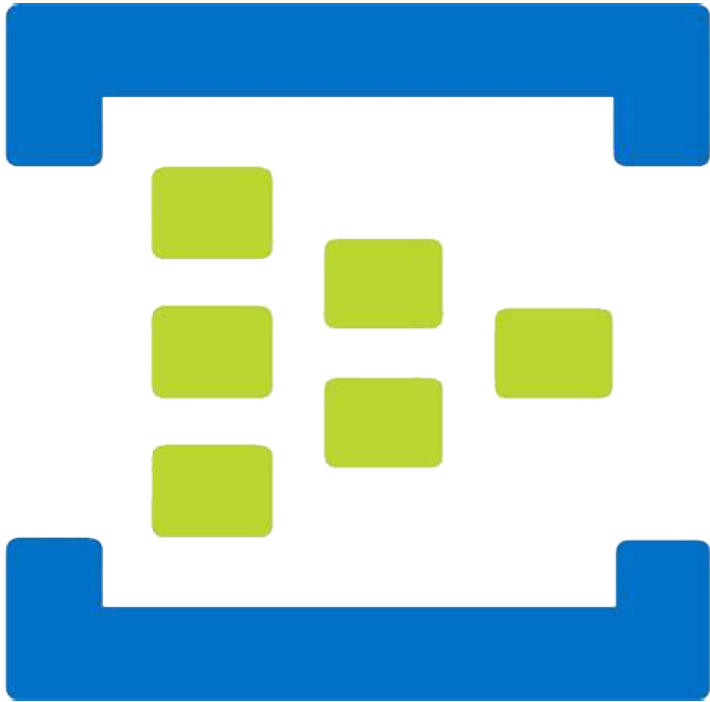
Event-Driven Architecture



Northstar Senior Living

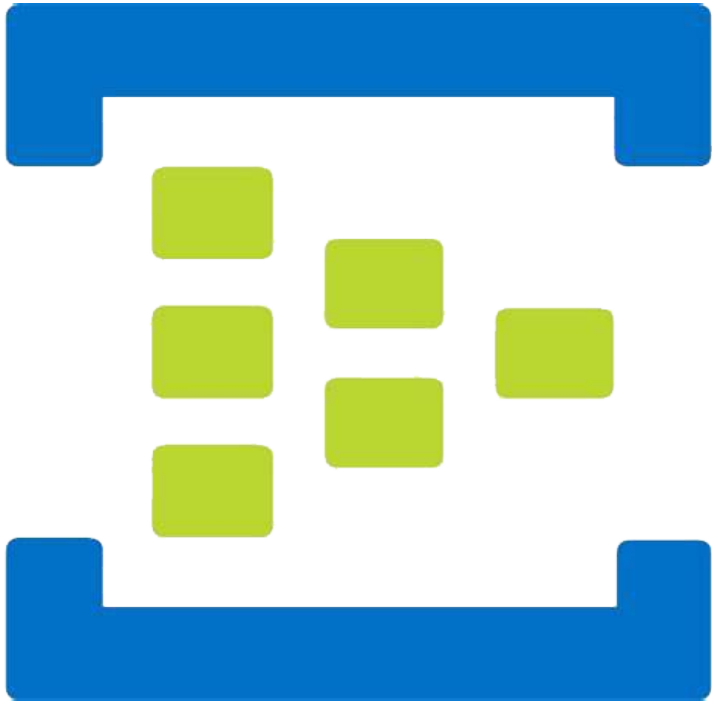


Azure Event Hubs



Fully managed, real-time data ingestion service

Azure Event Hubs



Simple



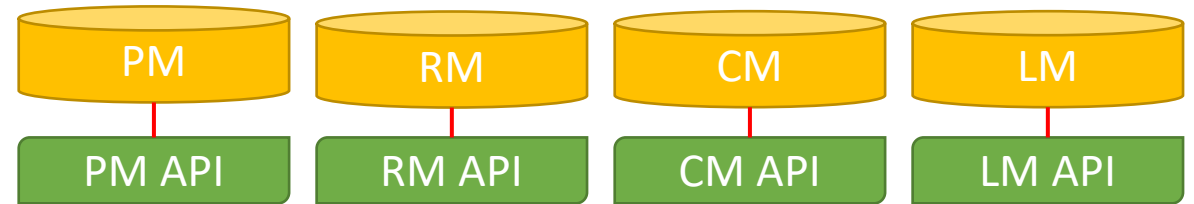
Secure

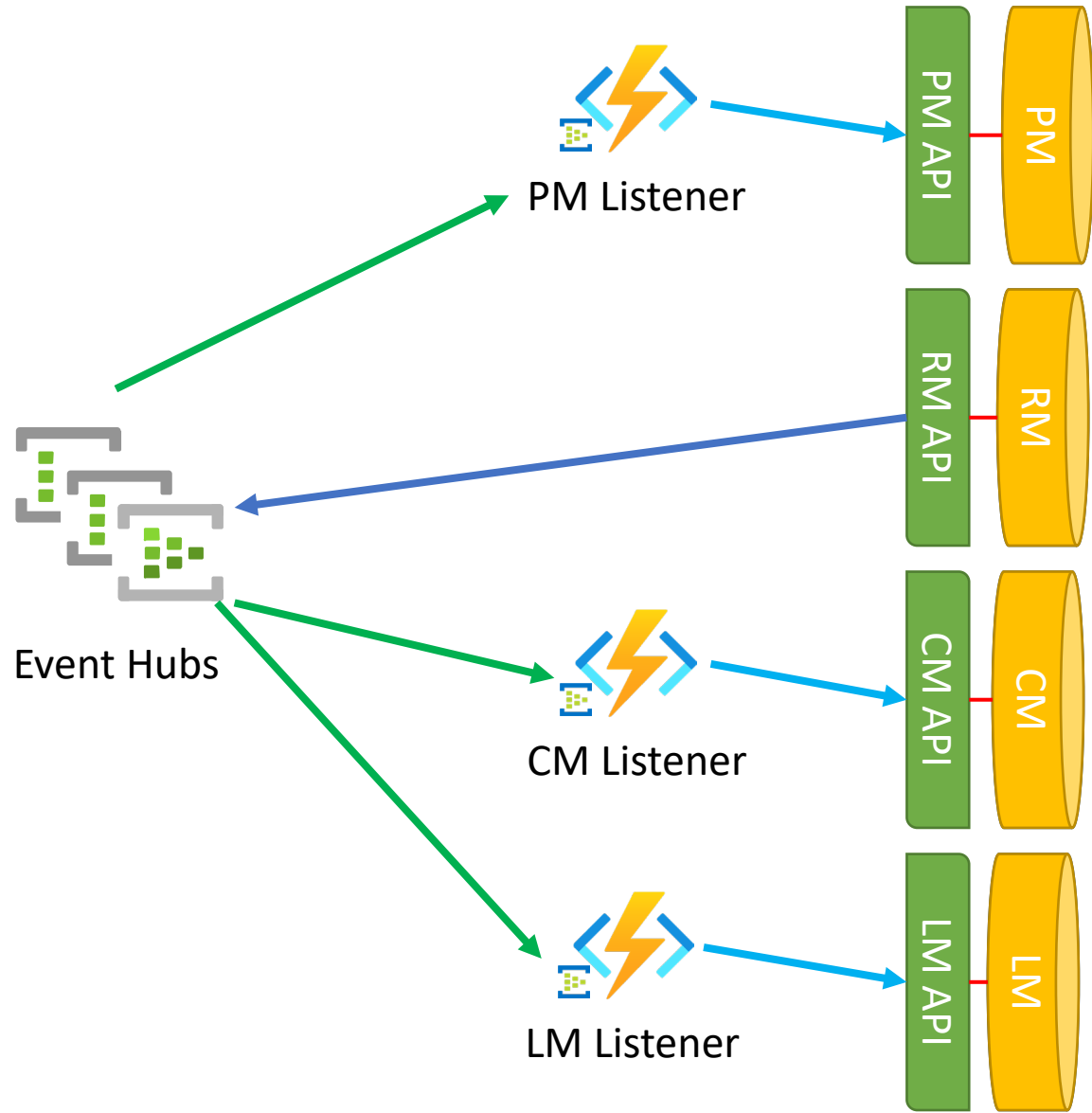


Scalable



Open





Thank You

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