

# Build an Event-Driven Architected Microservice

A woman with curly hair and glasses is sitting at a desk, working on a laptop. She is wearing a light blue cable-knit sweater. The background is a modern office with blue walls and various pieces of equipment, including a large black stand and a monitor.

| from Scratch

# Who is Chad Green

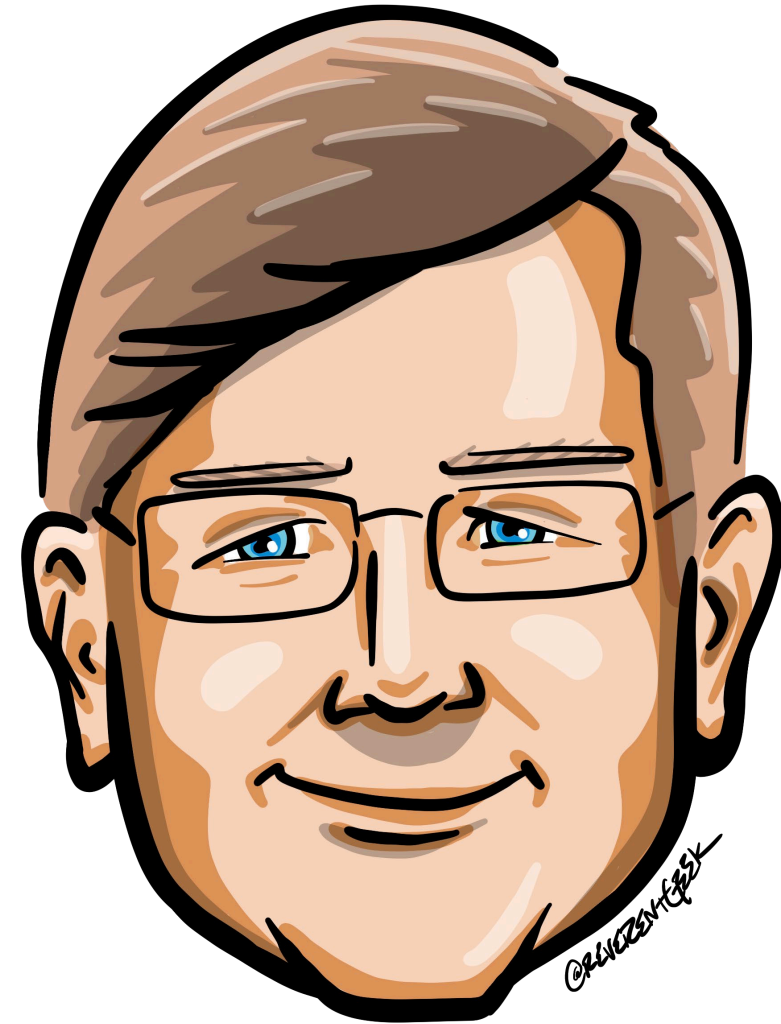
✉ chadgreen@chadgreen.com

💬 TaleLearnCode

🌐 ChadGreen.com

🐦 ChadGreen & TaleLearnCode

📌 ChadwickEGreen



# Public Service Announcement







Listen to  
your body

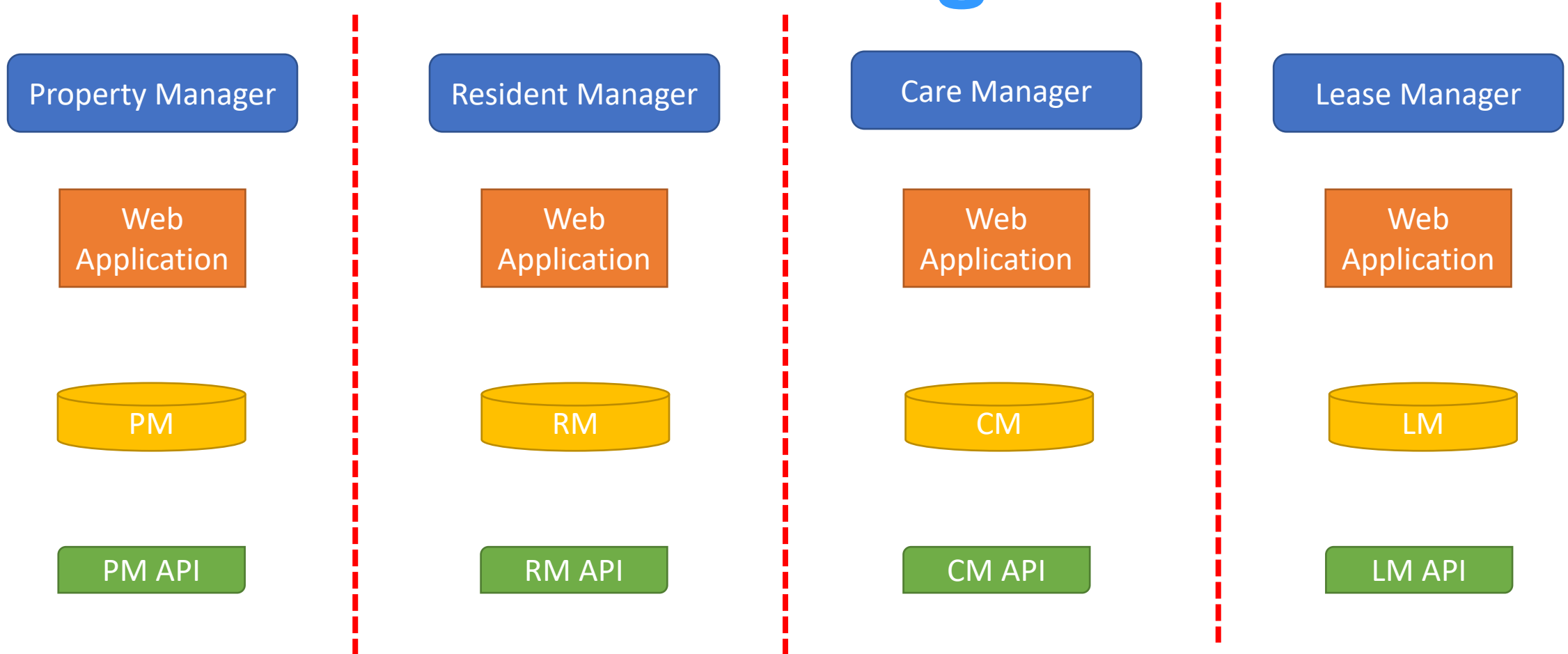






Listen to your body

# Northstar Senior Living



# User Story – Resident Move-In

## User Story

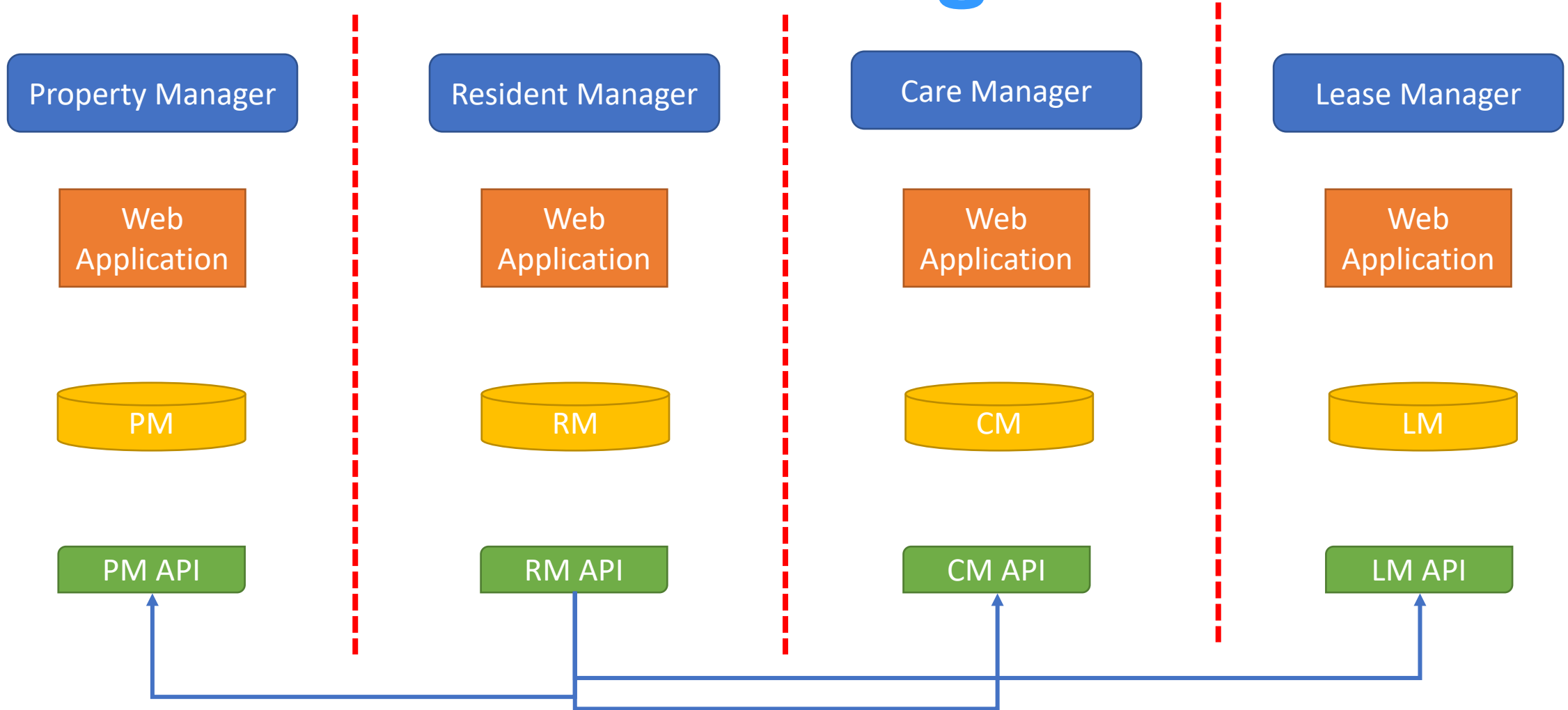
As a community manager, I want to move in a prospective resident so they receive the benefits of being a resident.

## 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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- Resident initialized in Care Manager and care activities start.
- Appropriate property records are updated to reflect the move-in.
- Handle the ability for future actions upon a user move-in.



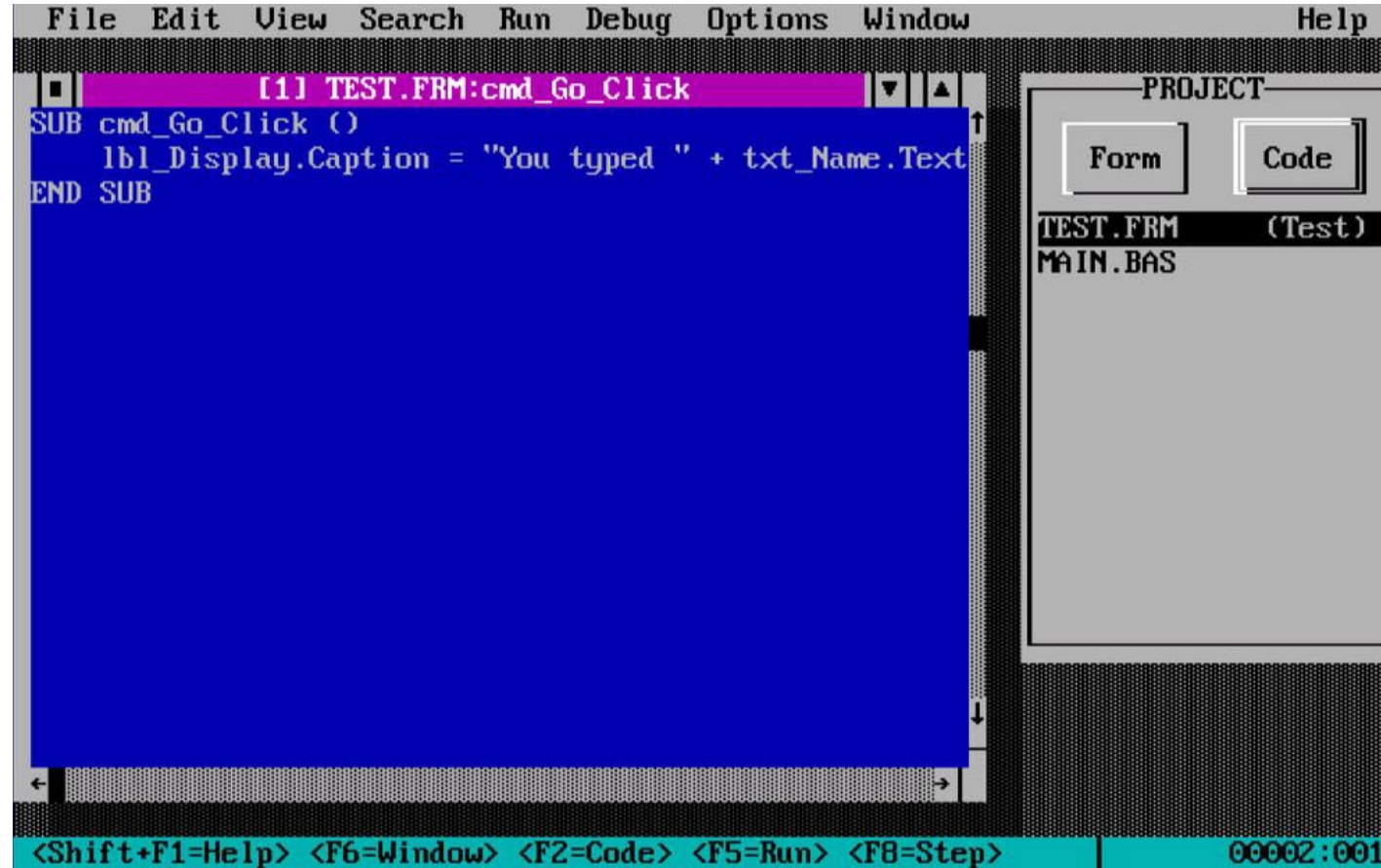
# Event-Driven Architecture



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

- Wikipedia -

# Event-Driven Architecture





# Event-Driven Architecture

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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

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- Garner -

# Event-Driven Architecture

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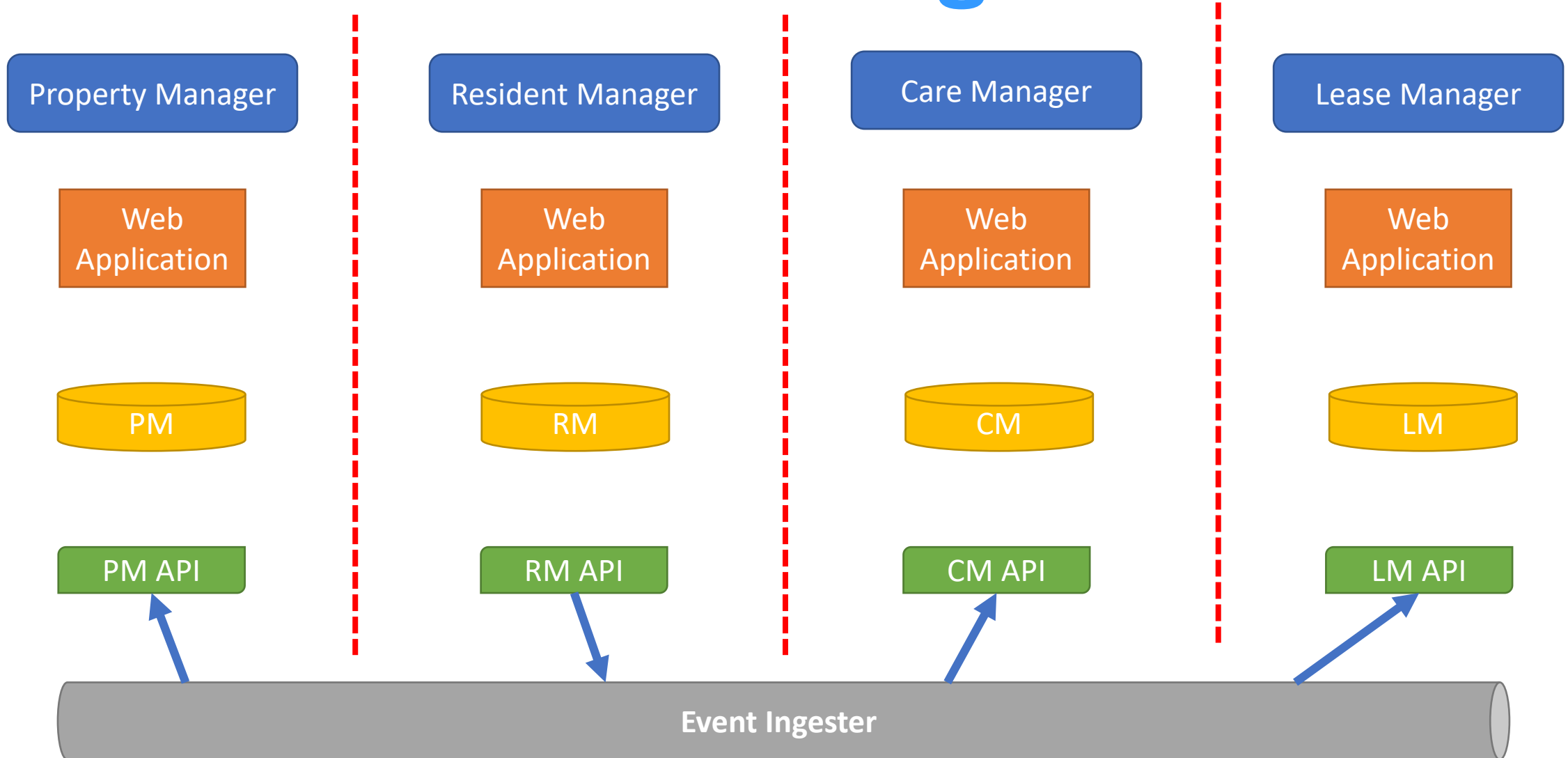
- Garner -



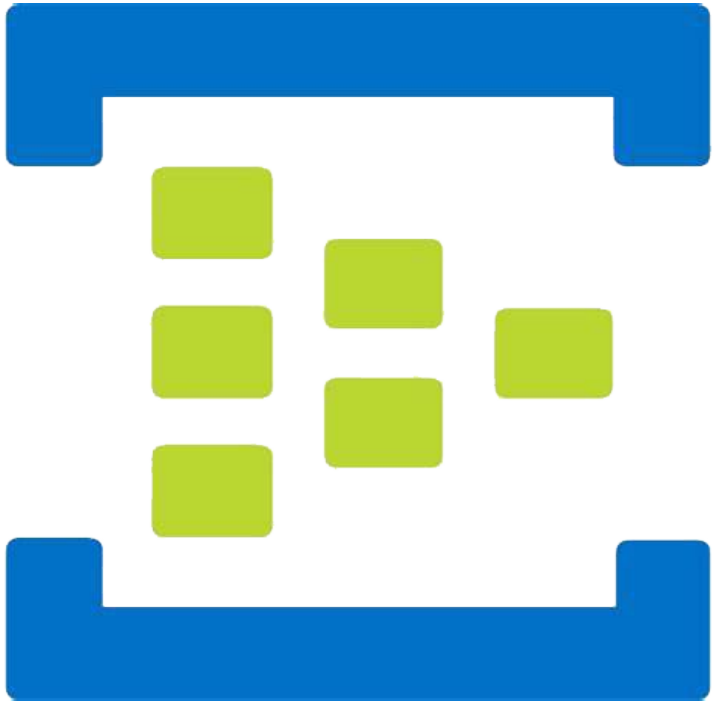
# Event-Driven Architecture



# Northstar Senior Living



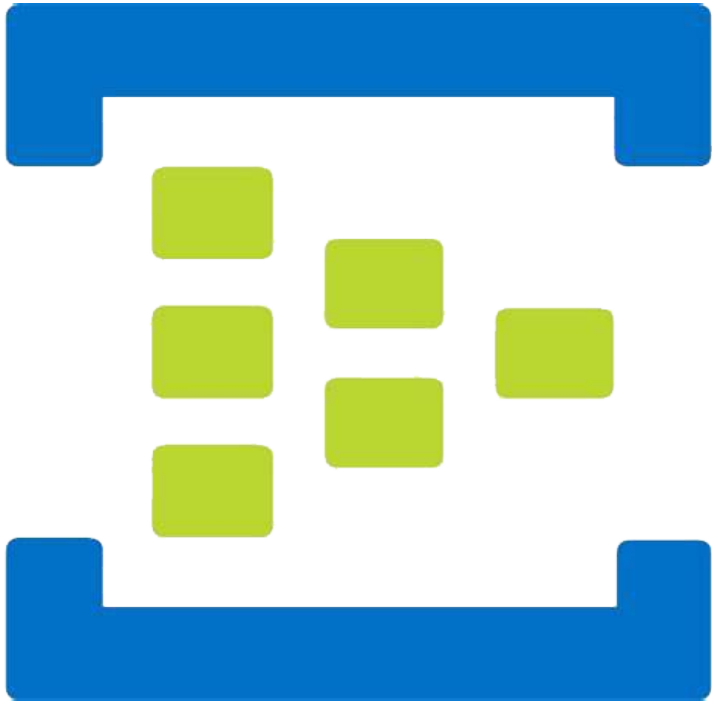
# Azure Event Hubs



Fully managed, real-time data ingestion service



# Azure Event Hubs



Simple



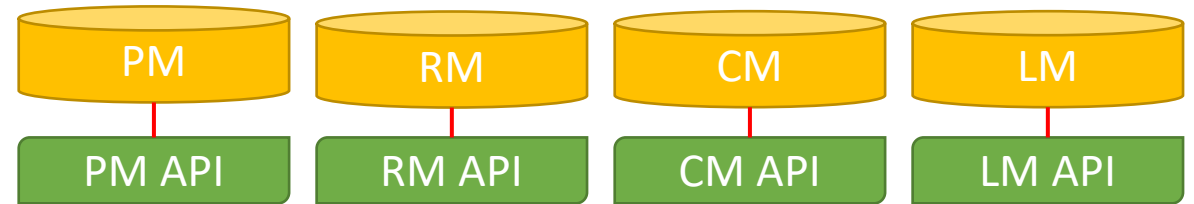
Secure

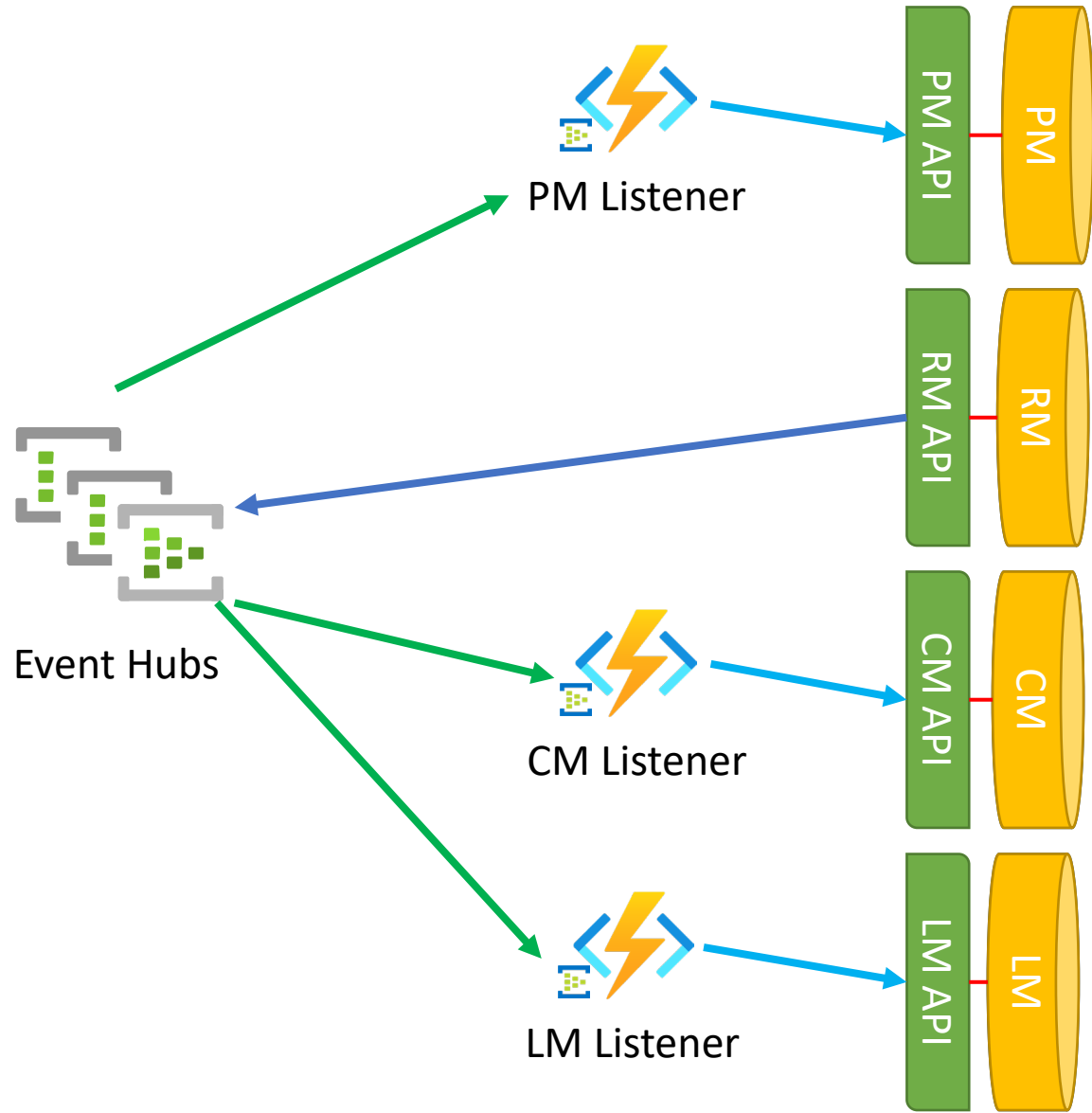


Scalable



Open







# Thank You

✉ chadgreen@chadgreen.com

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