How to Provide Reporting From Distributed Microservices Data
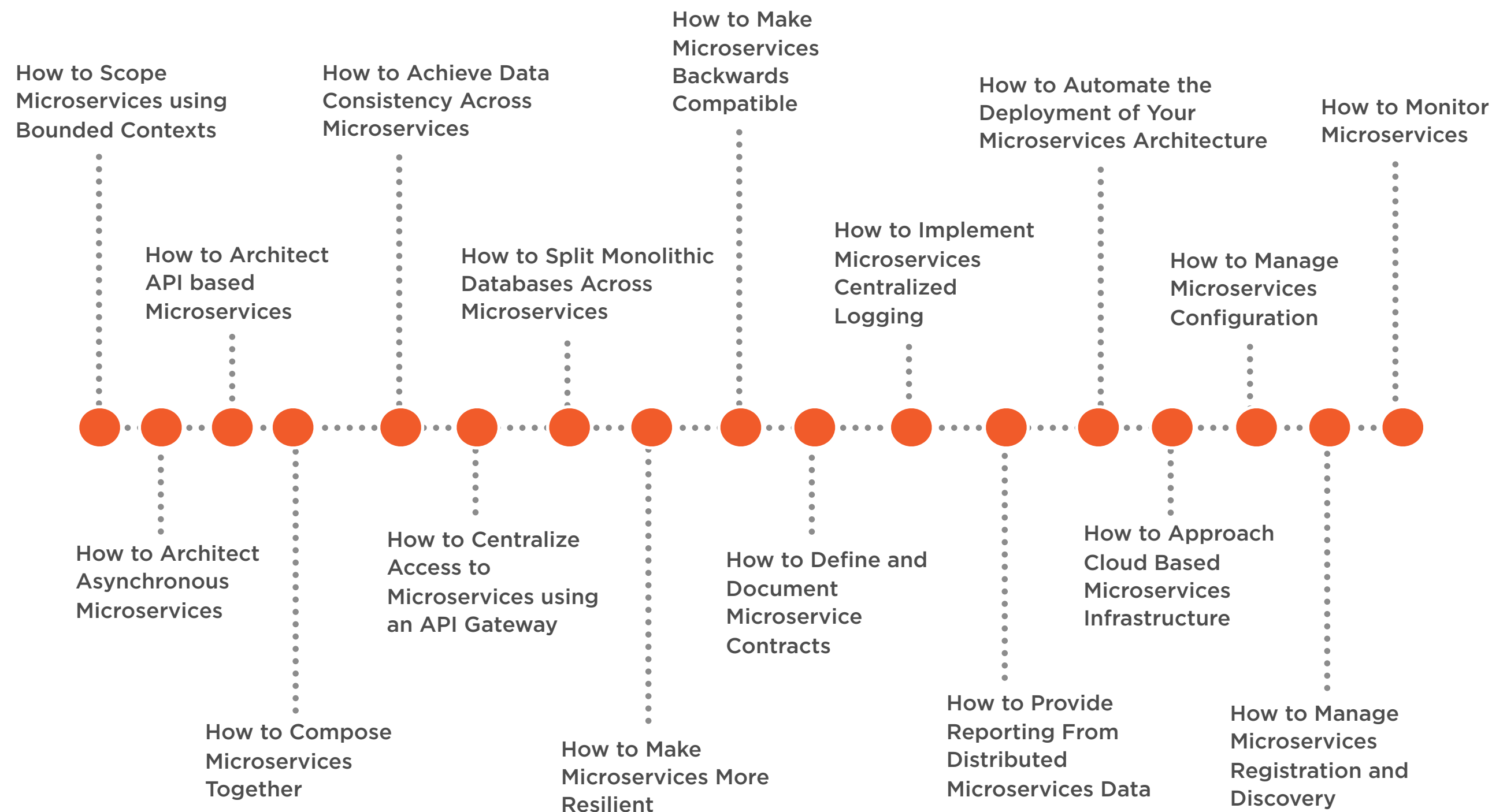
Rag Dhiman

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Microservices Architectural Design Patterns Playbook

How to Scope Microservices using Bounded Contexts

How to Achieve Data Consistency Across Microservices

How to Make Microservices Backwards Compatible

How to Automate the Deployment of Your Microservices Architecture

How to Monitor Microservices

How to Architect API based Microservices

How to Split Monolithic Databases Across Microservices

How to Implement Microservices Centralized Logging

How to Manage Microservices Configuration

How to Architect Asynchronous Microservices

How to Centralize Access to Microservices using an API Gateway

How to Define and Document Microservice Contracts

How to Approach Cloud Based Microservices Infrastructure

How to Compose Microservices Together

How to Make Microservices More Resilient

How to Provide Reporting From Distributed Microservices Data

How to Manage Microservices Registration and Discovery

Microservices Architectural Design Patterns Playbook

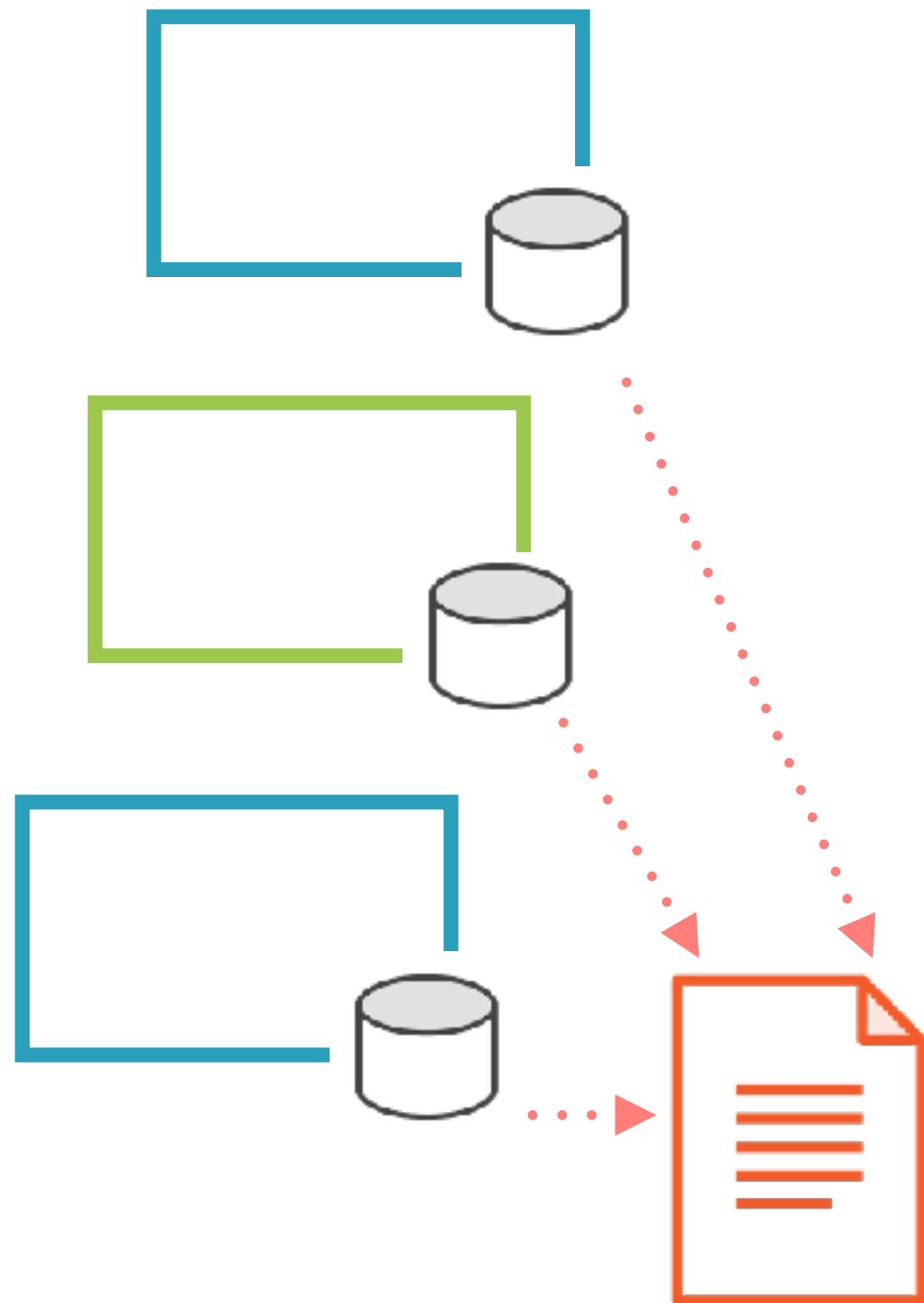# Overview

Introduction

Reporting Service Calls

Data Push Application

Reporting Event Subscribers

Reporting Events via Gateway

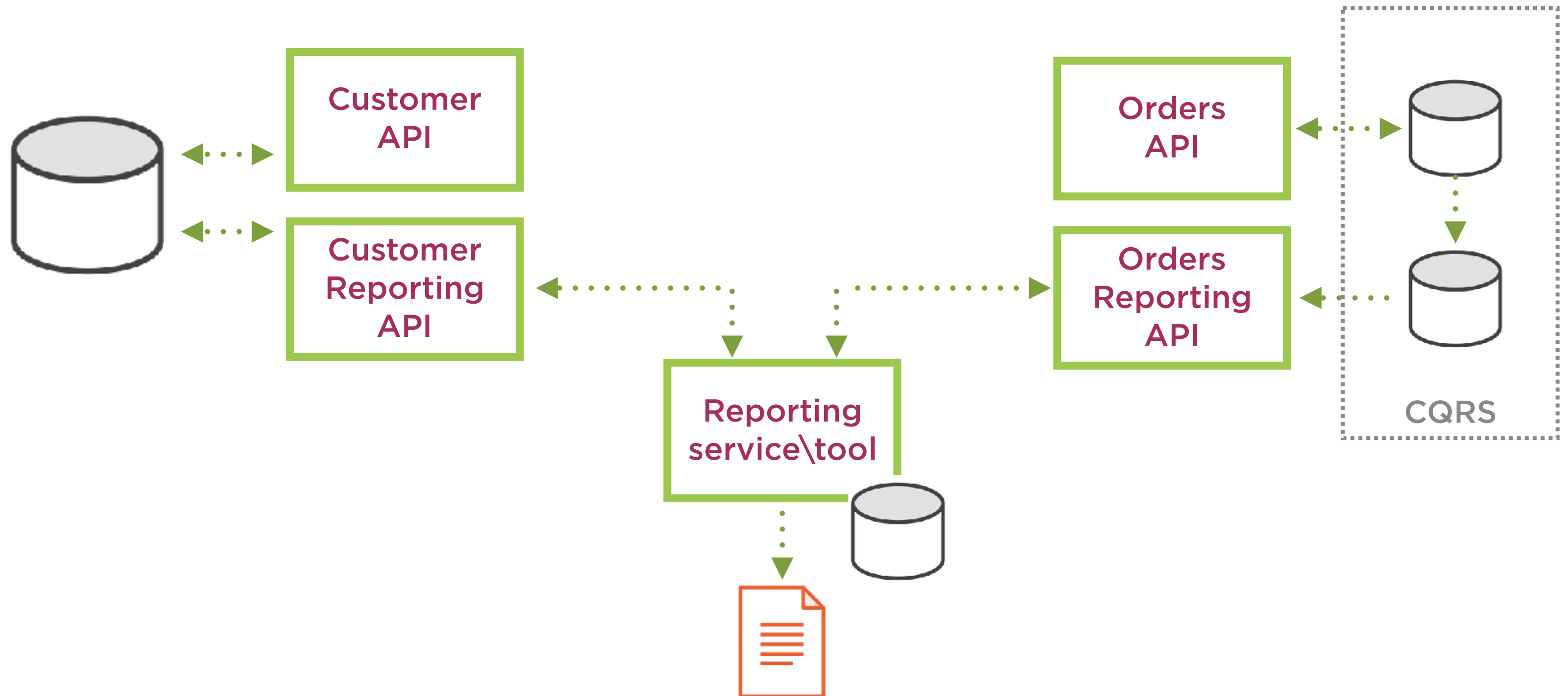Using Backup Imports for Reporting

ETL and Data-warehouses

Introduction

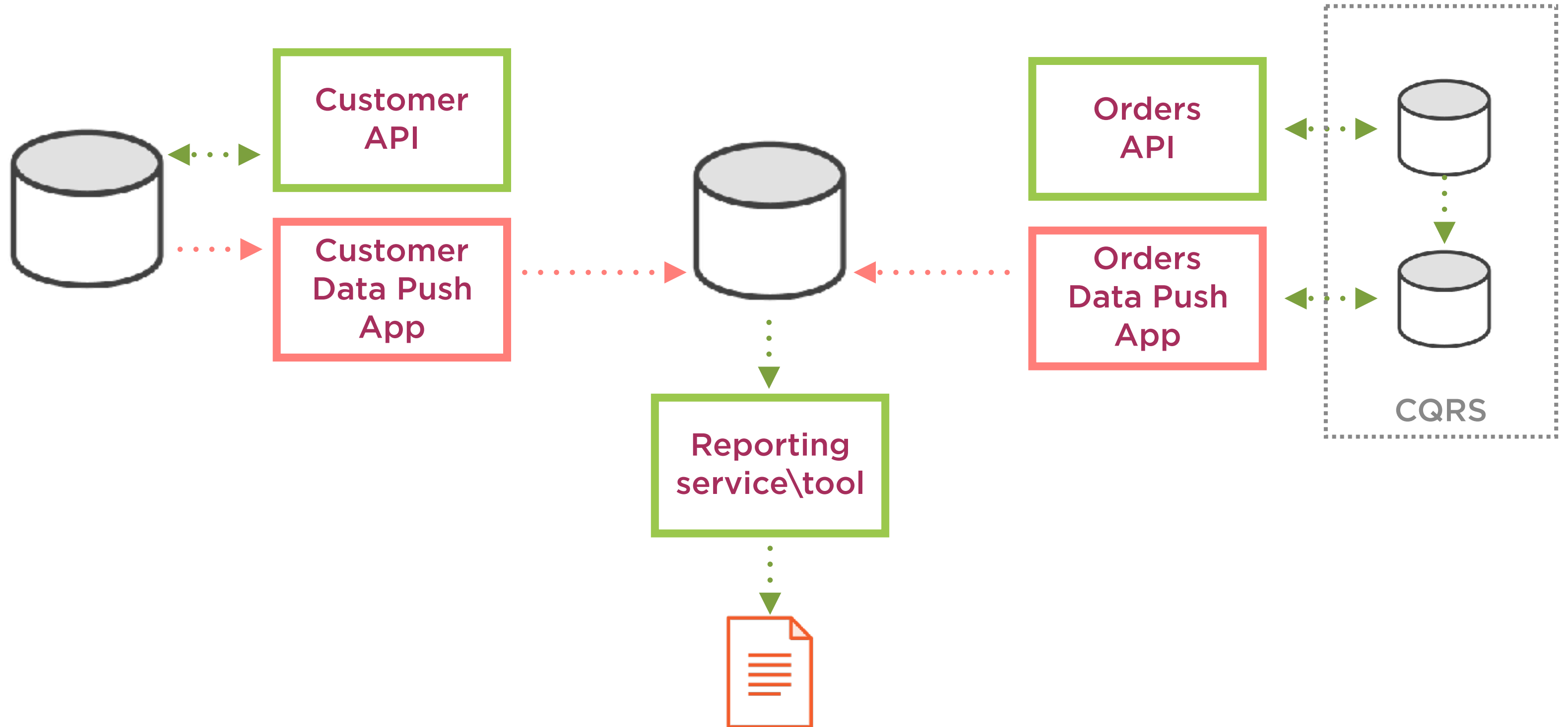**Autonomous Microservices**
- Microdatabases
- Distributed data

Solutions for central reporting
- Reporting service calls
- Data push application
- Reporting event subscribers
- Reporting events via gateway
- Using backup imports for reporting
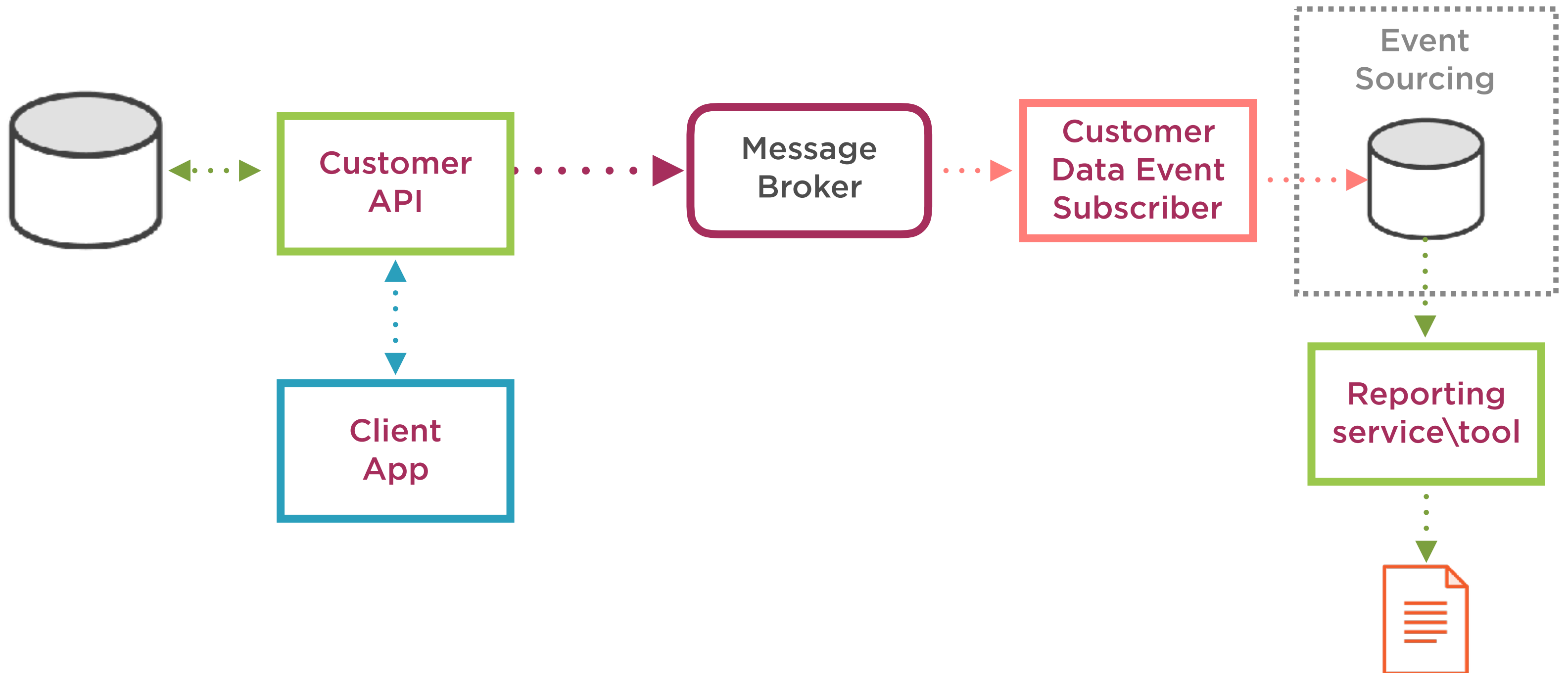- ETL and data-warehouses

Reporting Service Calls

Customer API

Customer Reporting API

Orders API

Orders Reporting API

Reporting service\tool

CQRS

Data Push Application

Reporting Event Subscribers

Customer API

Client App

Message Broker

Customer Data Event Subscriber

Event Sourcing

Reporting service\tool

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Summary

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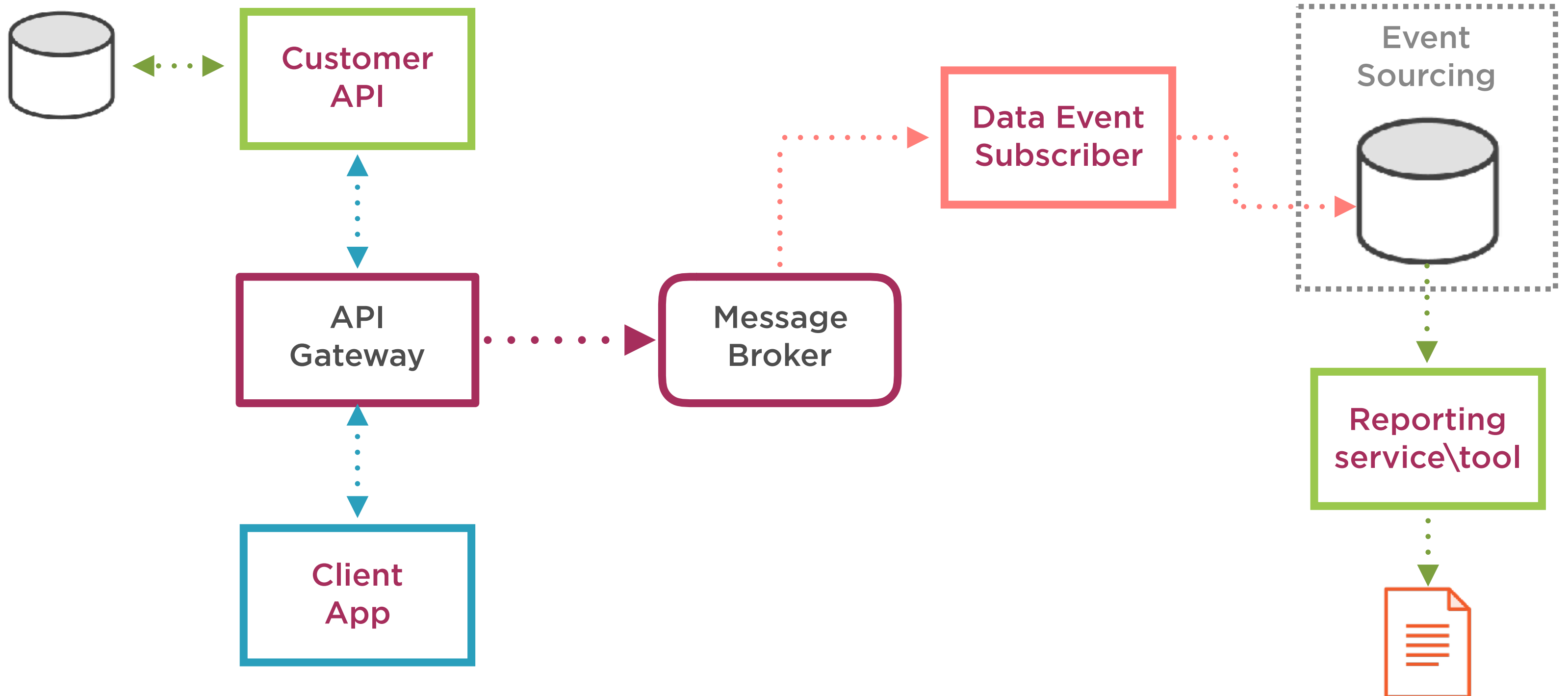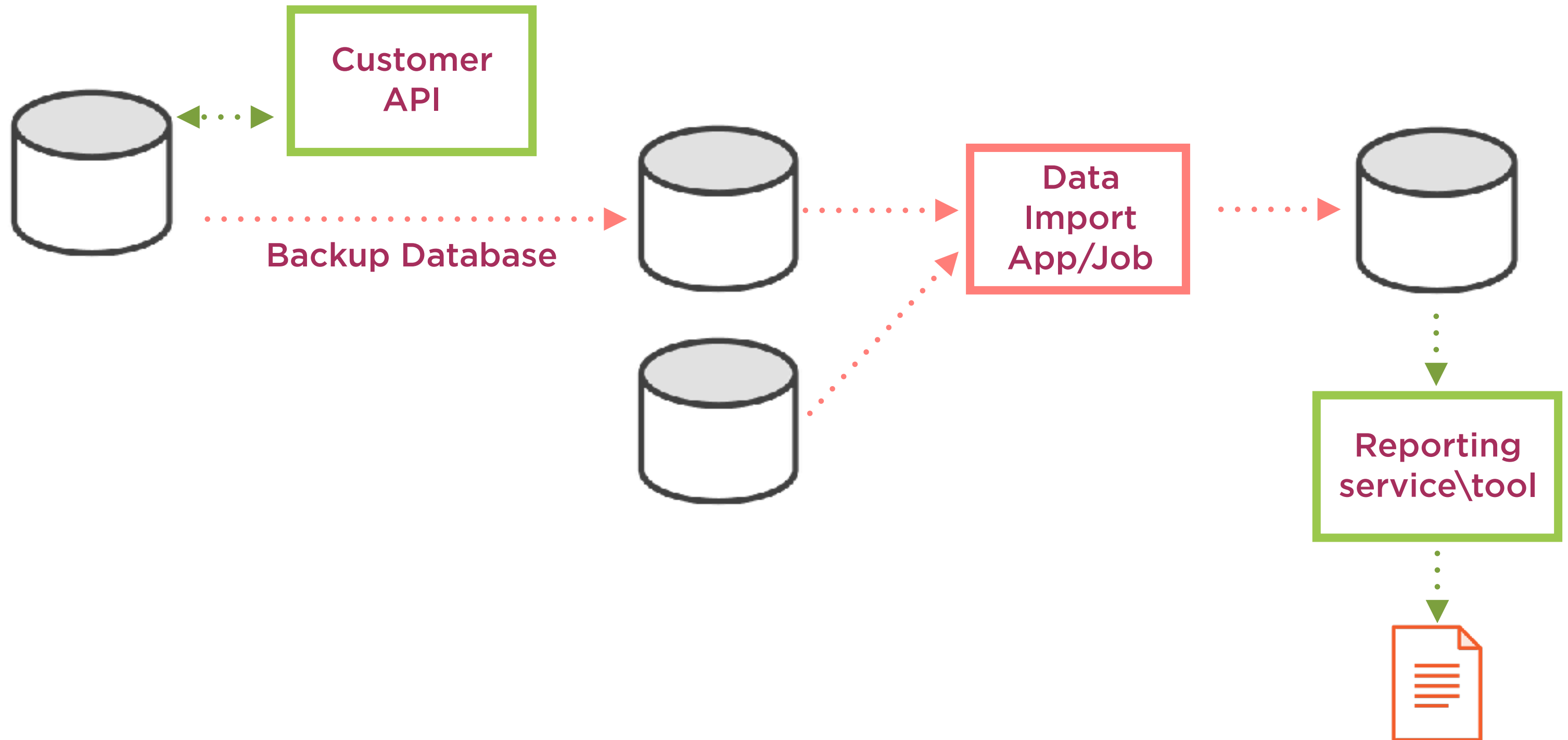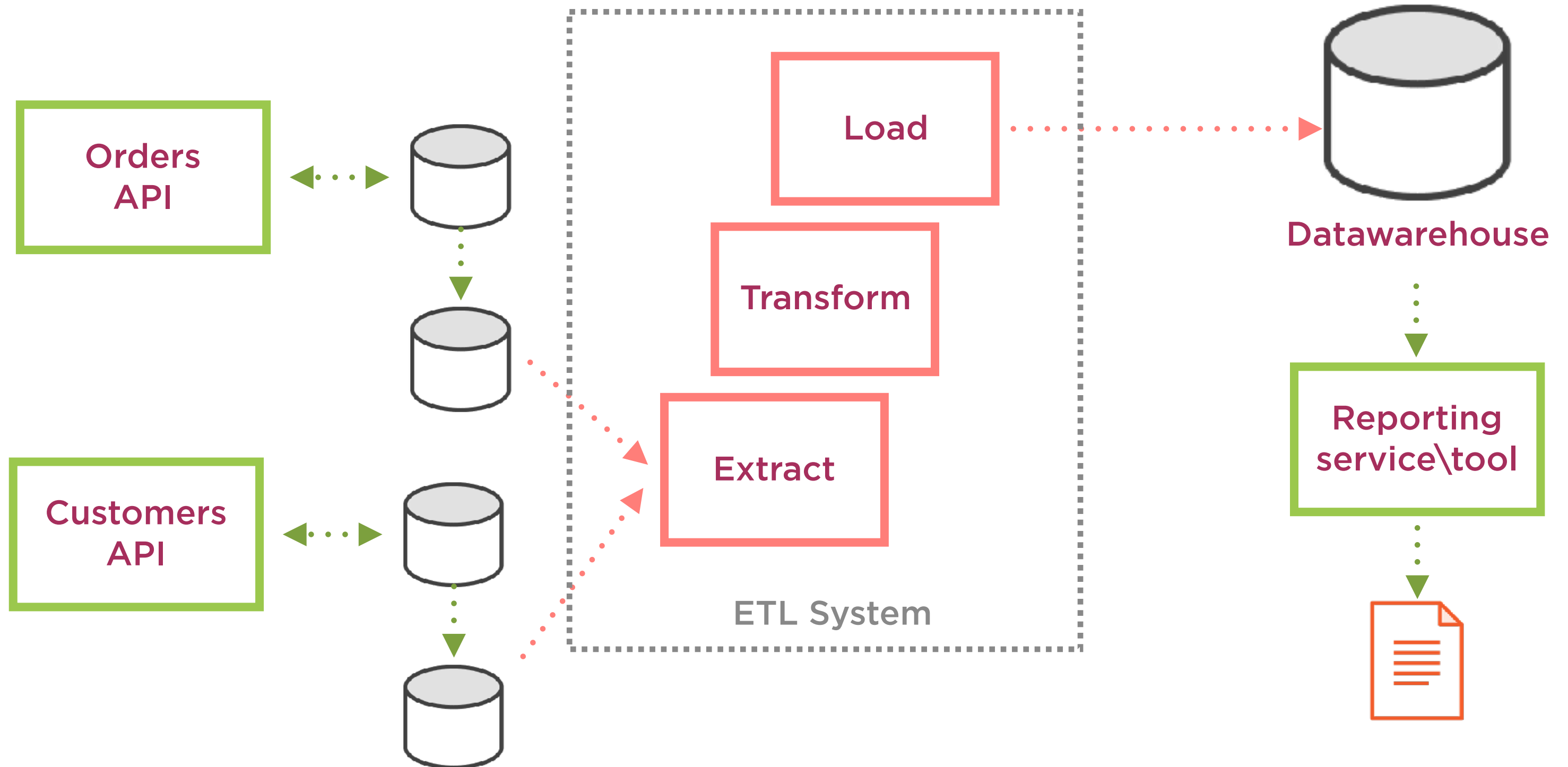
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