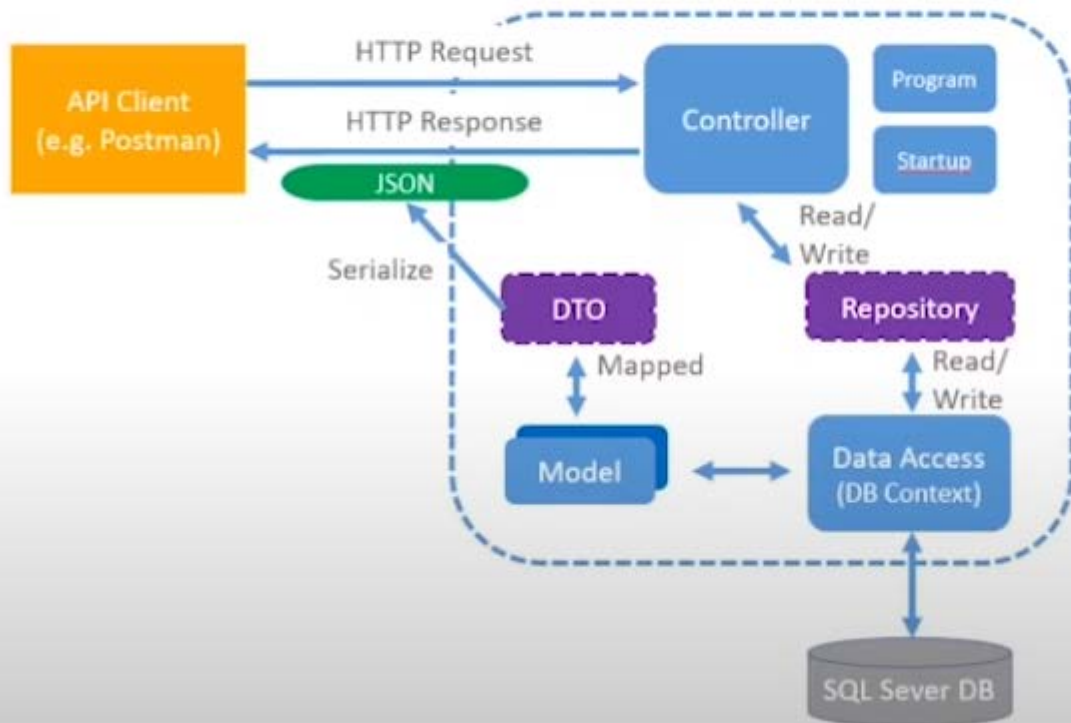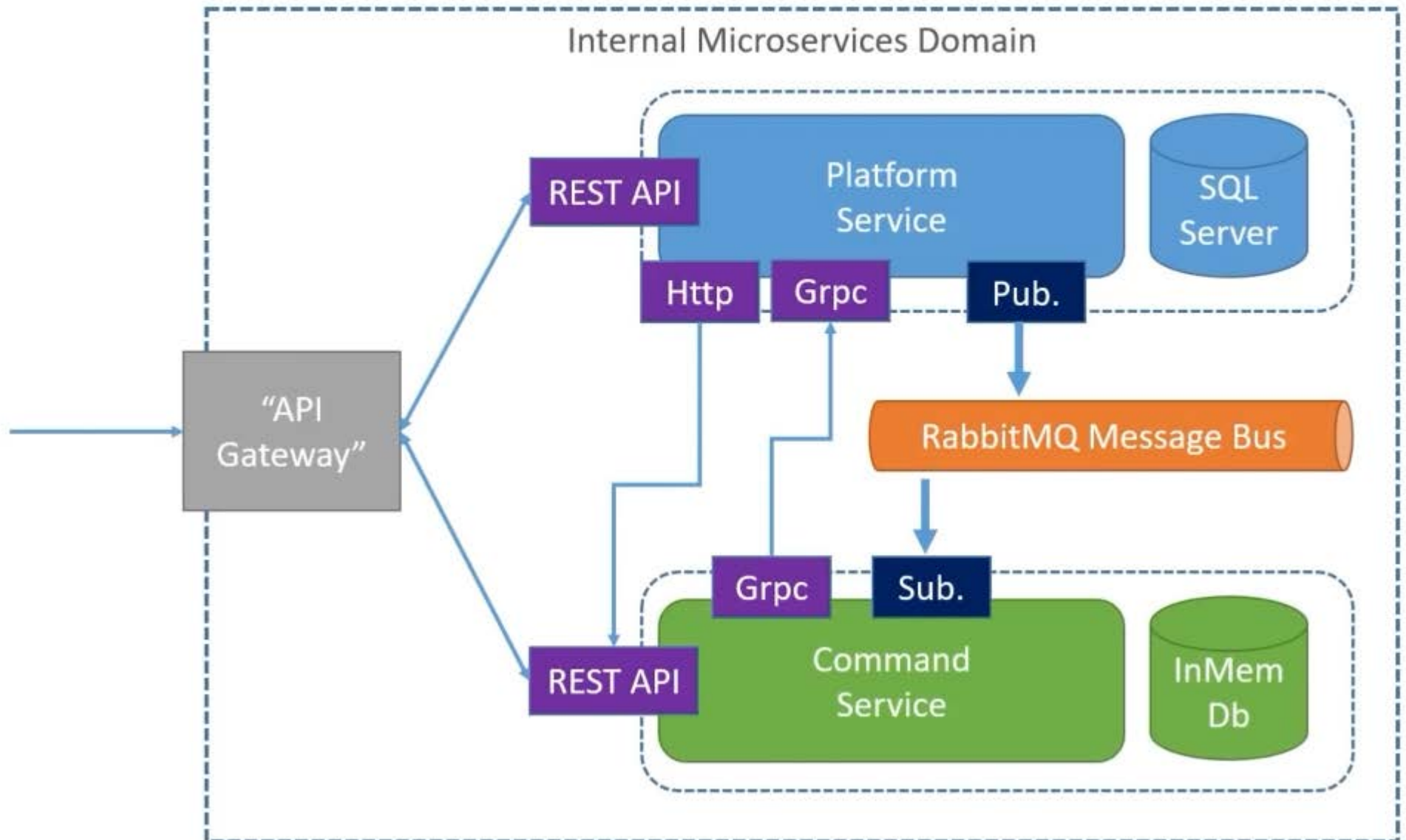# Application Architecture

- Model: Data (Internal)
- Controller: Requests & Actions
- DB Context: "Mediator"
- Repository (Persistence Ignorance)
- Data Transfer Objects (external)

Solution Architecture

What we'll cover (& what you'll learn)

INTRODUCTION
- API Demo
- Course Overview
- Ingredients / Tooling
- Application Architecture

CODING PART 1
- Model & Controller
- Repository
- Dependency Injection
- 2 API Endpoints (GET)

CODING PART 2
- Entity Framework Core
- DB Context
- SQL Server Overview
- Revisit Repository

CODING PART 3
- Data Transfer Objects (DTOs)
- Automapper
- 1 API Endpoint (POST)

CODING PART 4
- PUT Endpoint
- PATCH Endpoint
- DELETE Endpoint

FINAL THOUGHTS
- Next Steps
- Wrap Up
- Supporter Credits

Our API End Points

URI	Verb	Operation	Description	Success	Failure
/api/commands	GET	READ	Read all resources	200 OK	400 Bad Request 404 Not Found
/api/commands/{id}	GET	READ	Read a single resource	200 OK	400 Bad Request 404 Not Found
/api/commands	POST	CREATE	Create a new resource	201 Created	400 Bad Request 405 Not Allowed
/api/commands/{id}	PUT	UPDATE	Update an entire resource	204 No Content	..
/api/commands/{id}	PATCH	UPDATE	Update partial resource	204 No Content	..
/api/commands/{id}	DELETE	DELETE	Deletes a single resource	200 OK 204 No Content	..
~~/api/commands~~	~~DELETE~~	~~DELETE~~	Delete all resources	200 OK 204 No Content	..