



OPTITRUCK CLOUD ARCHITECTURE

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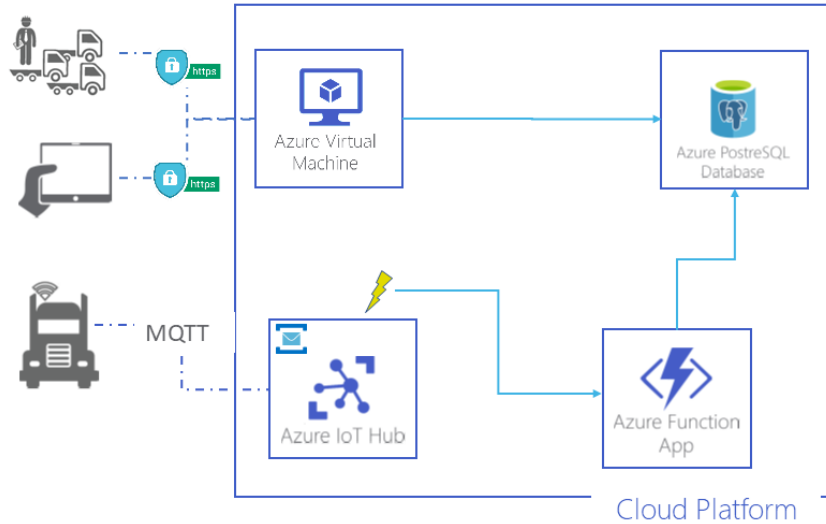
LINKS Foundation (ex ISMB)

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Cloud Architecture



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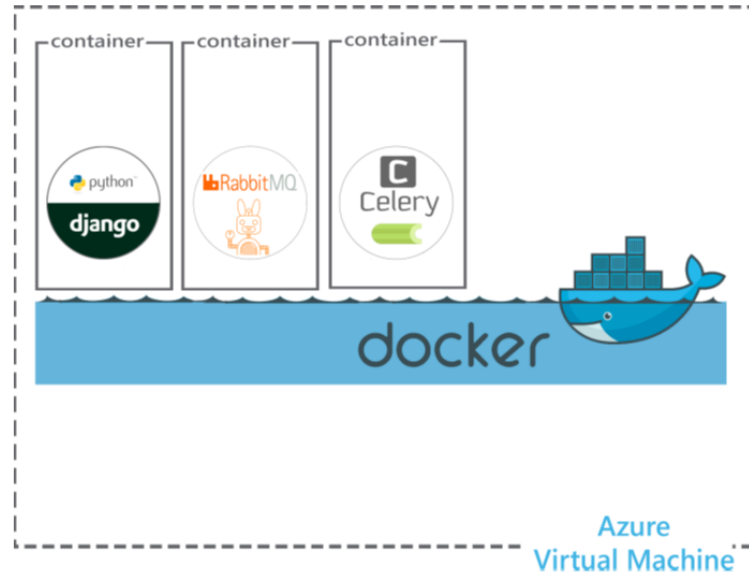
- **Azure IoT Hub**
 - Establish bidirectional communication with billions of devices
 - Automate device provisioning and registration
 - Authenticate per device
- **Service Bus + Azure Function**
 - Azure Functions is a serverless compute service that enables you to run code on-demand without having to explicitly provision or manage infrastructure.
 - Service Bus is a cloud messaging service to allow communication between applications or services.

Cloud Architecture



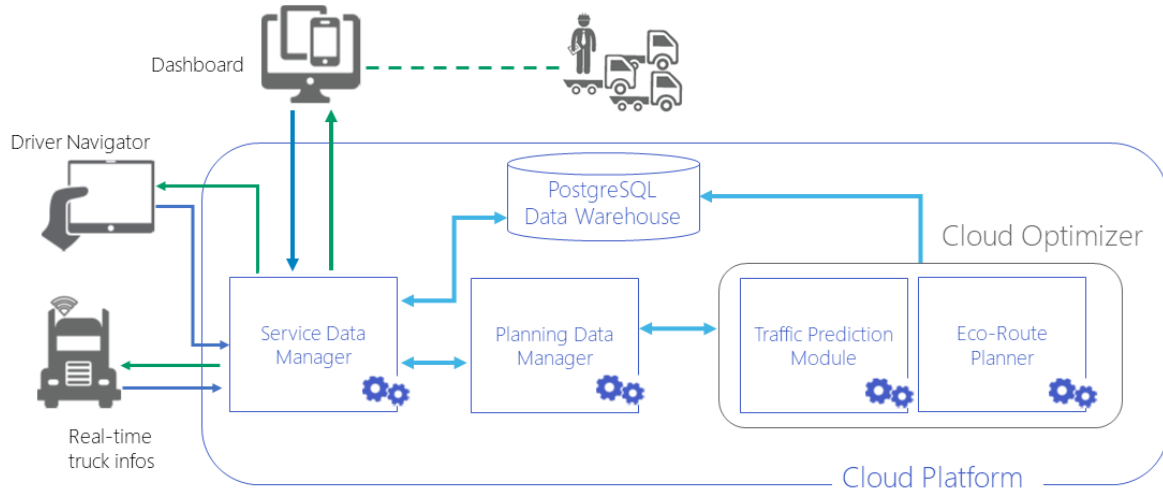
- Azure PostgreSQL Database
- Azure Virtual Machine

Software Architecture

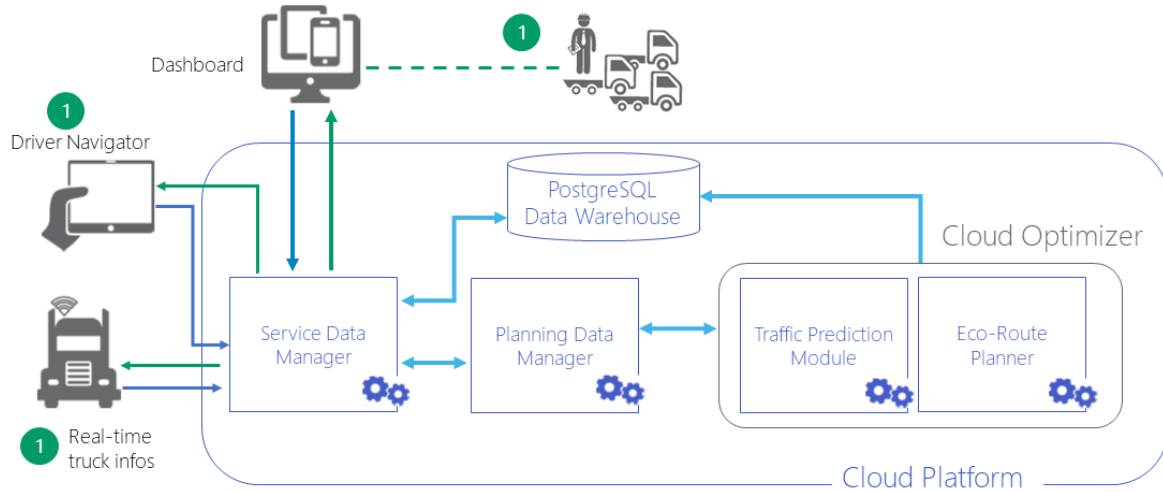


Containers: Django, RabbitMQ and Celery

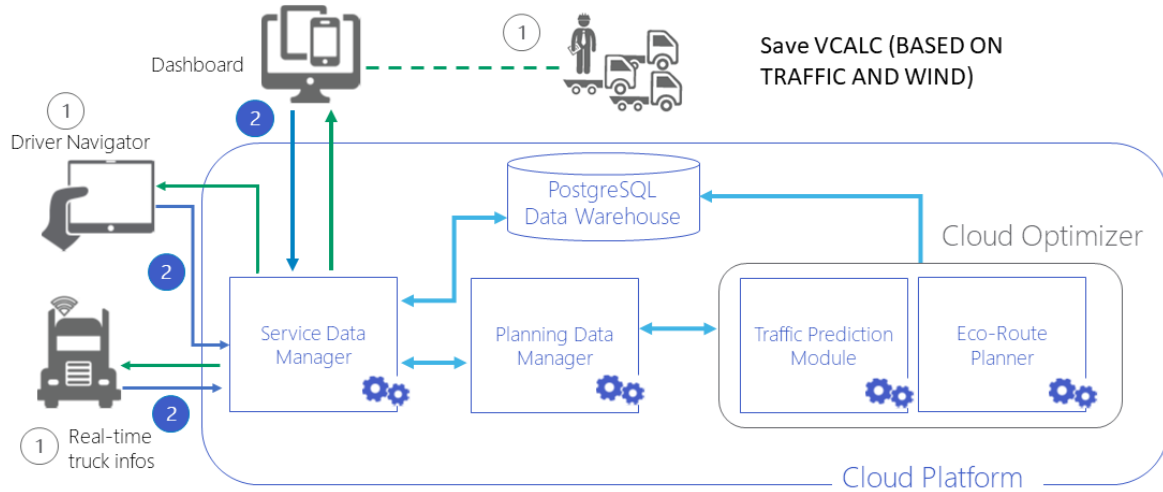
Cloud Platform: Overview



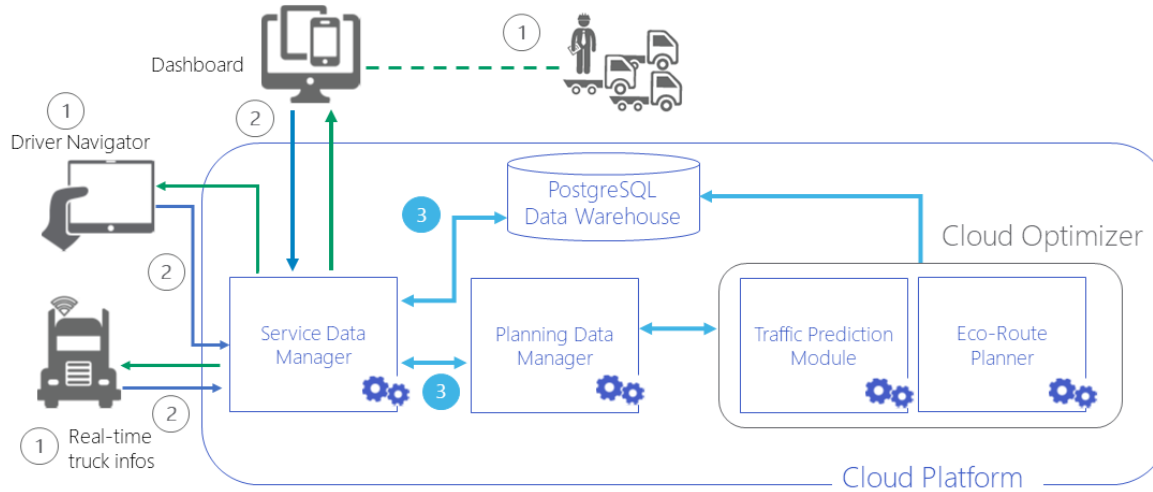
Cloud Platform: Component Communication



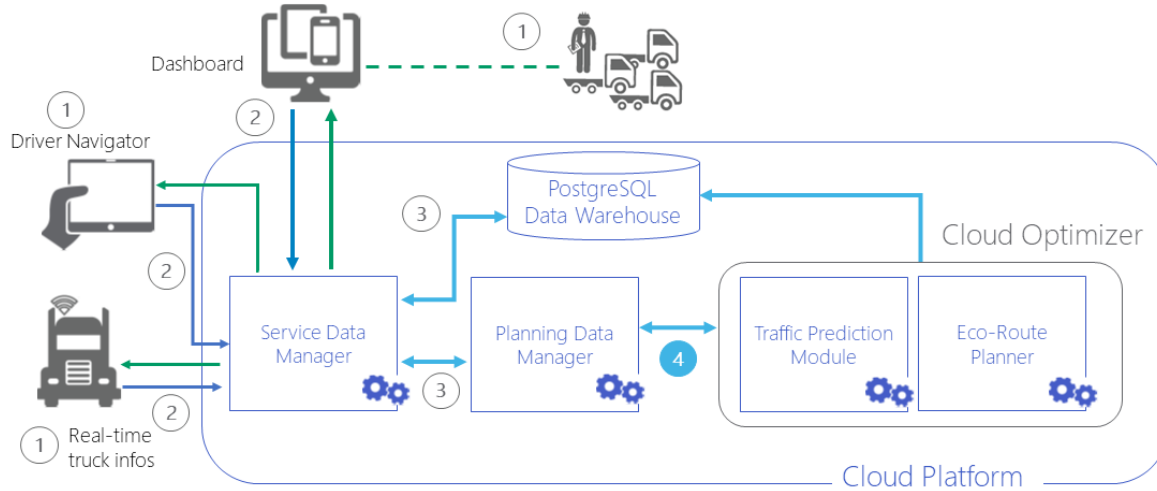
Cloud Platform: Component Communication



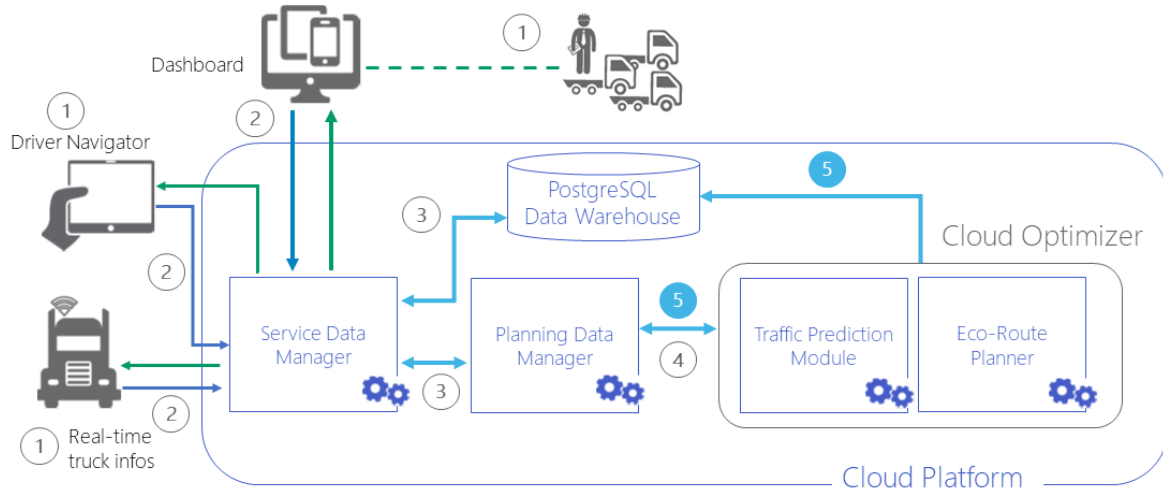
Cloud Platform: Component Communication



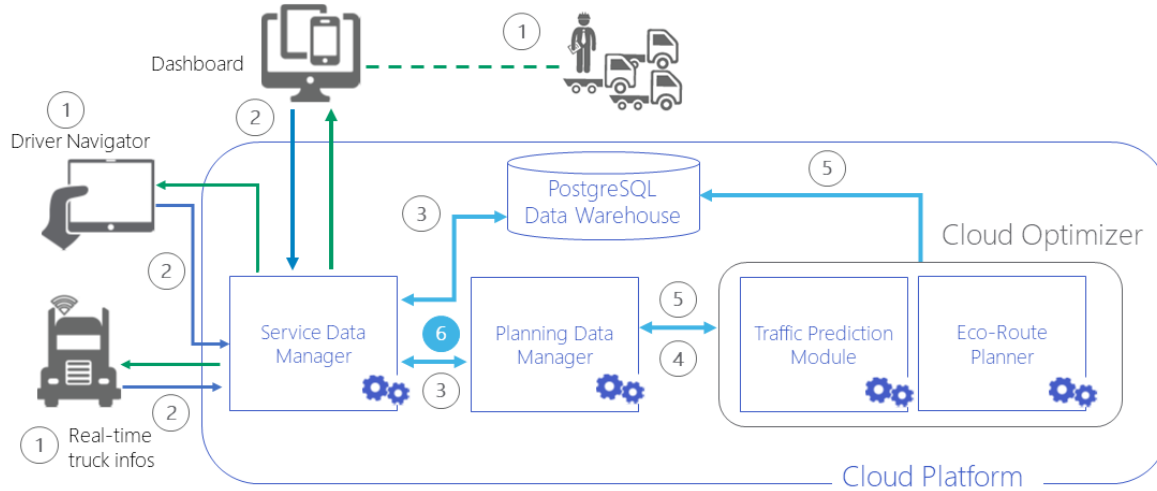
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