

# Understanding Triggers and Bindings

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# Overview



## Trigger types

- Timers, HTTP requests
- Queue messages, blobs, DropBox

## Input and output bindings

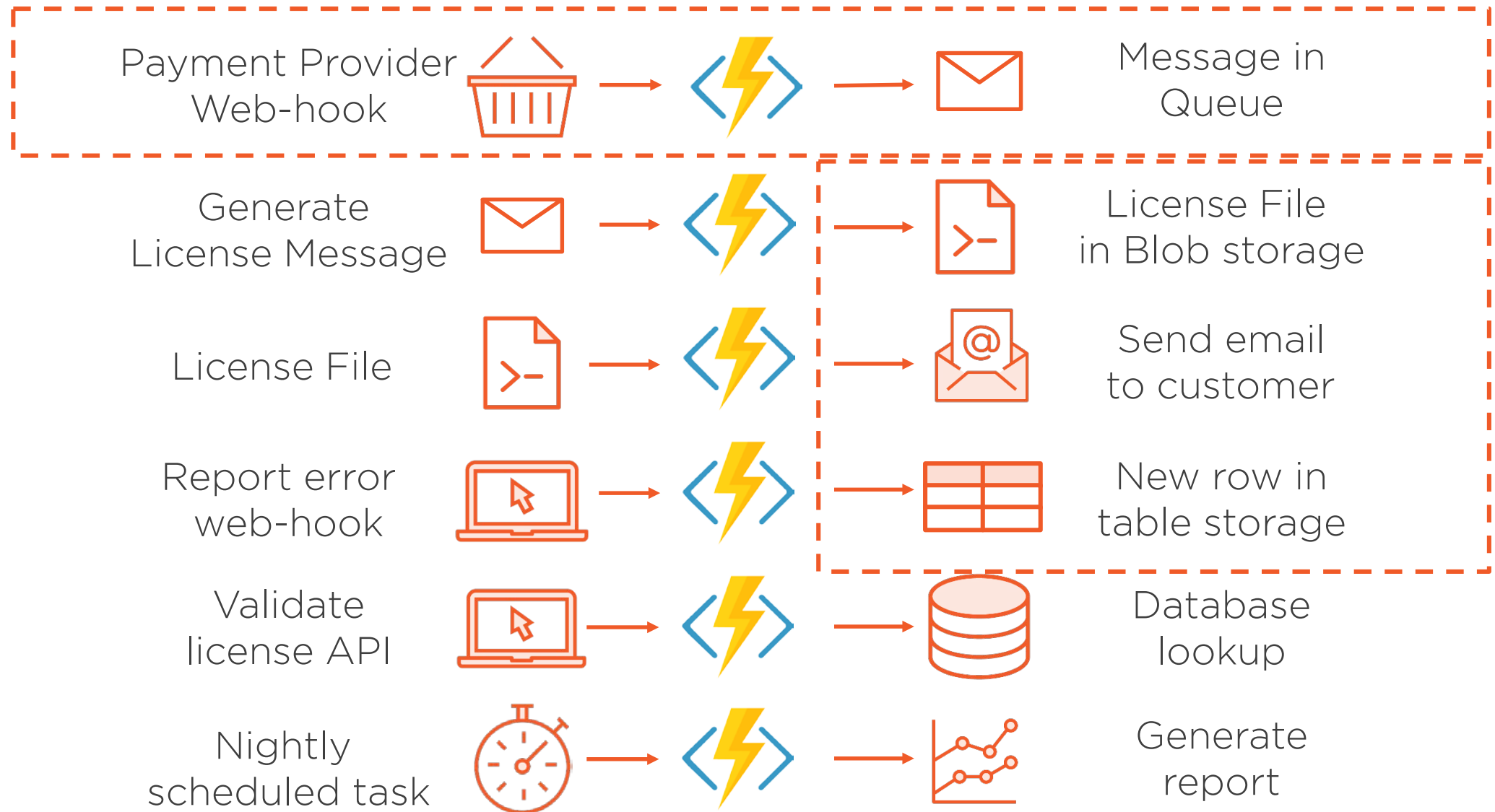
- Connect to external resources
- Reduce amount of code

## Creating bindings

- Using the portal
- By editing function.json



# Real-World Example



# Demo



Payment Provider  
Web-hook



Message in  
Queue



# Demo



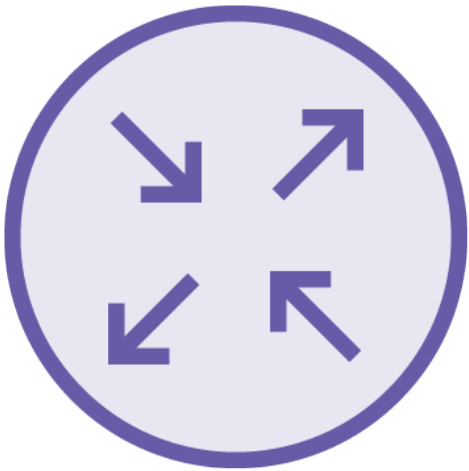
Payment Provider  
Web-hook



Message in  
Queue



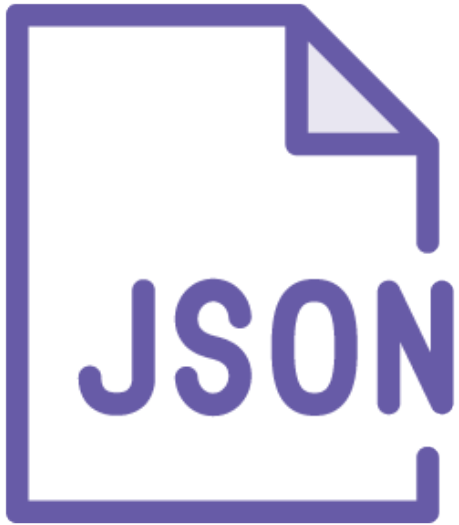
# Route Templates



**Default is api/functionName**

- api/getCustomers?id=123
- api/customer/{customerId}

# HTTP Triggered Functions



## Webhook mode

- Built-in support for GitHub and Slack
- Generic webhook expects JSON

## Authorization keys

- Can choose anonymous mode

## Restrict HTTP methods

## Custom route templates



# function.json – HTTP Trigger

```
{  
  "type": "httpTrigger",  
  "direction": "in",  
  "webHookType": "genericJson",  
  "name": "req",  
  "methods": [ "post" ],  
  "route": "newpurchase"  
},
```



# function.json – Queue Output Binding

```
{  
  "type": "queue",  
  "name": "outputQueueItem",  
  "queueName": "orders",  
  "connection": "AzureWebJobsStorage",  
  "direction": "out"  
}
```



# Queue Output Bindings



## Binding to parameters

- string
- byte[]
- Custom DTO
- CloudQueueMessage
- ICollector<T>
- IAsyncCollector<T>

# The Story so Far

