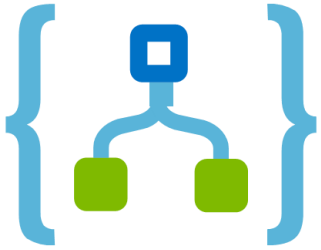
Logic App

AI service with serverless data computing

Microsoft Student Partner
차주연



Logic Apps

Quickly build powerful integration solutions

Connect your business-critical apps and services with Azure Logic Apps, automating your workflows without writing a single line of code.

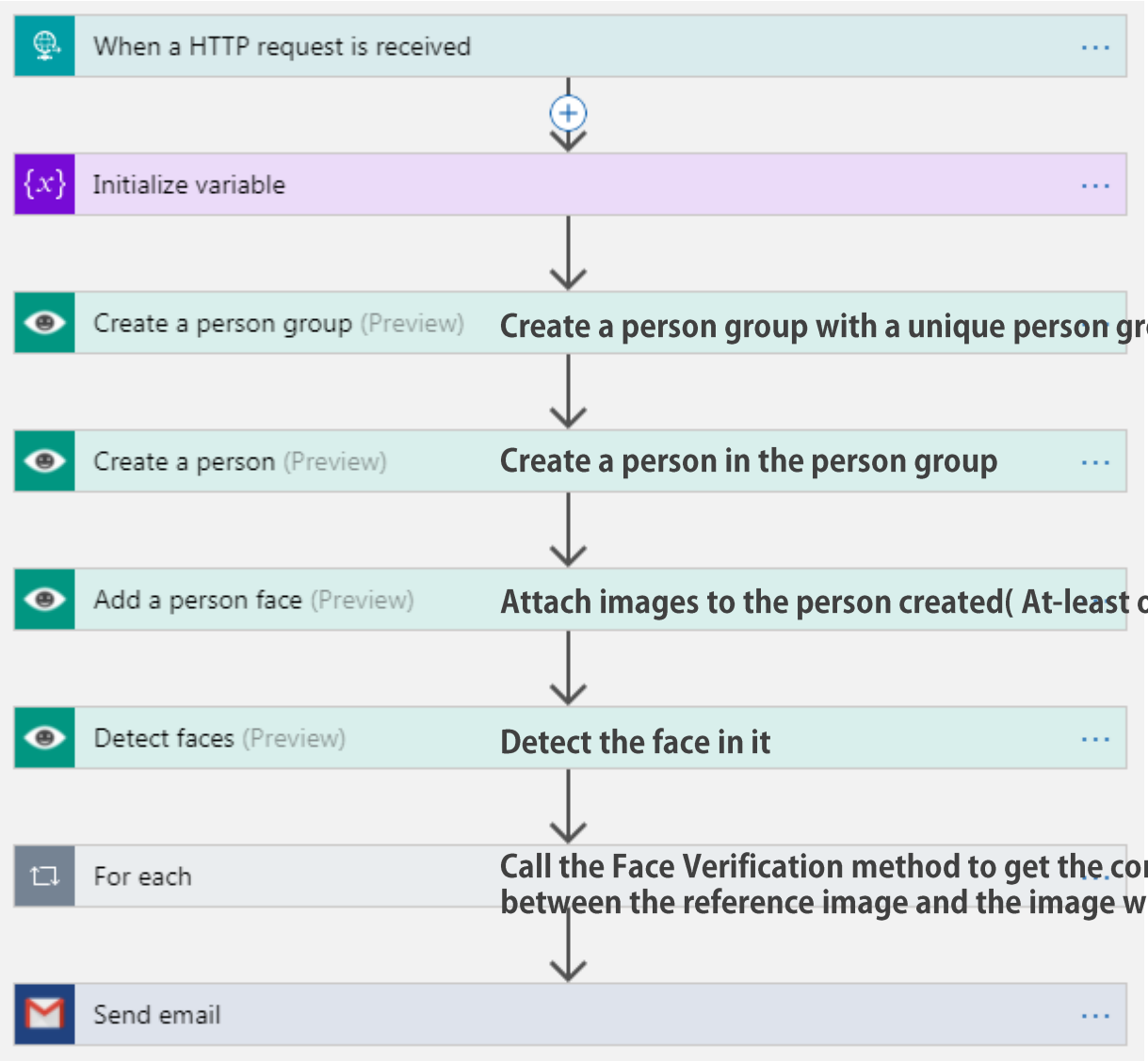
* The advantages of using Logic Apps

1. Easy to use design tools
2. Connect APIs easily
3. Get started quickly from templates
4. Extensibility baked-in
5. Real integration horsepower

참고 : https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-what-are-logic-apps

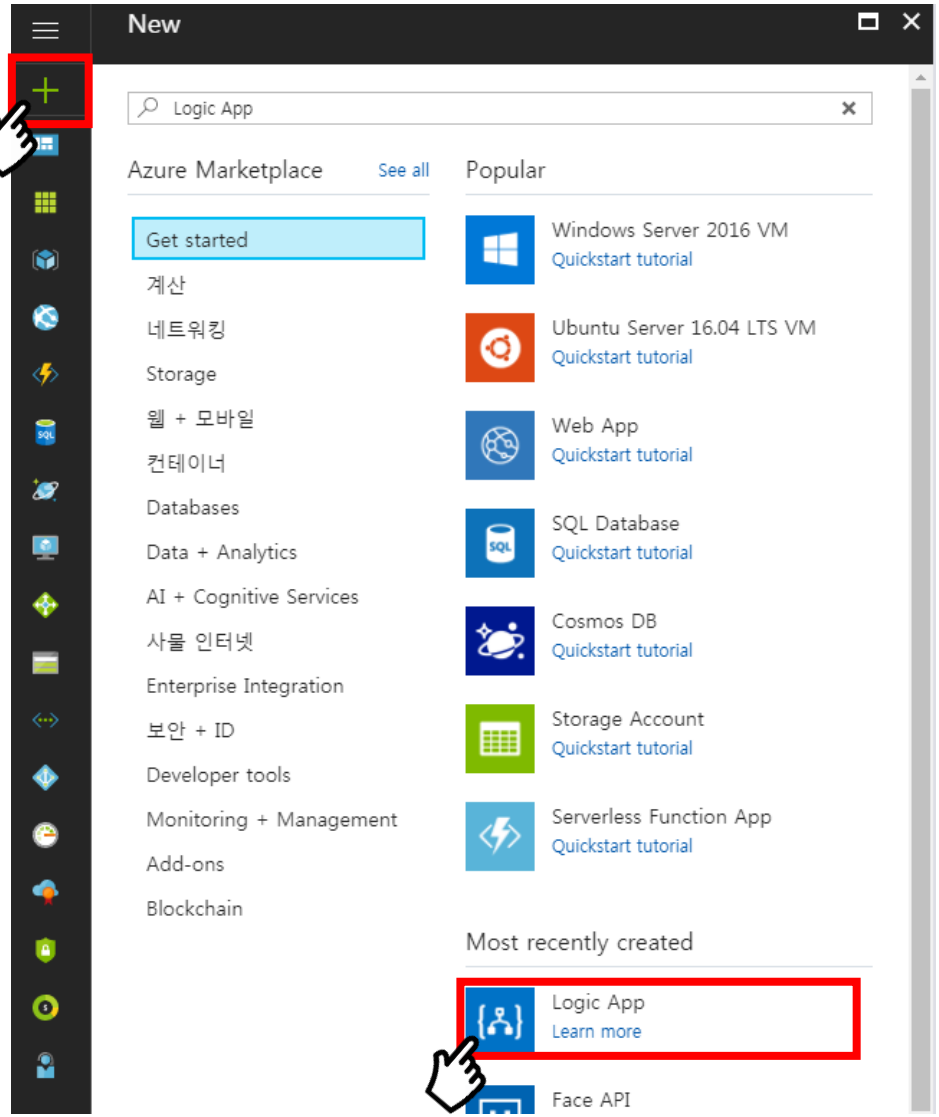
LOGIC APP

전체 흐름도



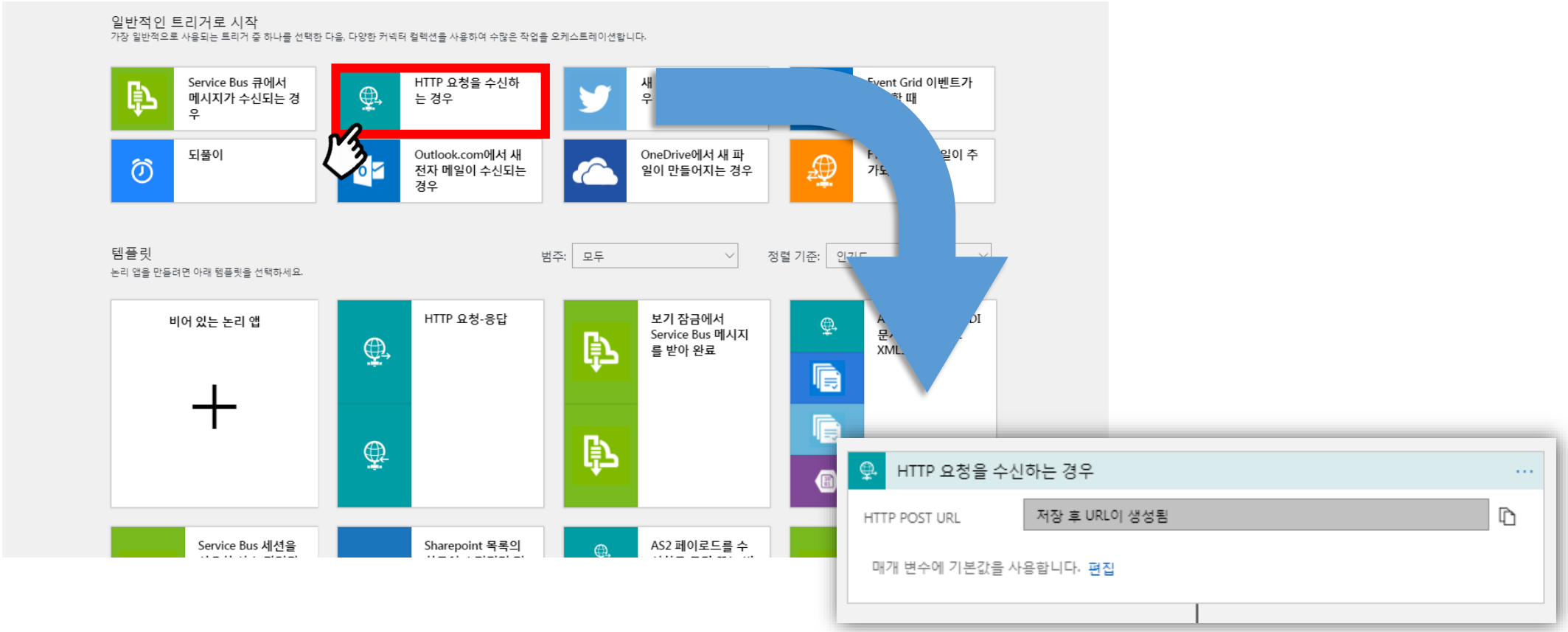
LOGIC APP

Logic app 생성



LOGIC APP

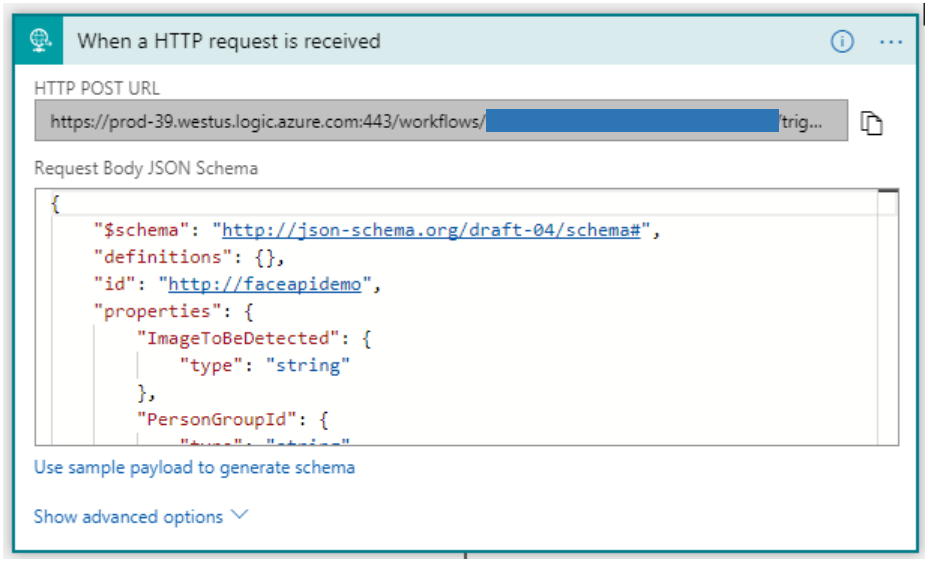
Logic app 생성



LOGIC APP

HTTP request

```
{
   "ImageToBeDetected" : image url,
   "referenceImageUrl" : image url,
   "sendEmail": 결과값 보낼 email,
   "PersonGroupId" :  faceapigrpid1" ,
   "PersonGroupName" : "faceapigrpname1",
   "PersonName" : "TestPerson1"
}
```



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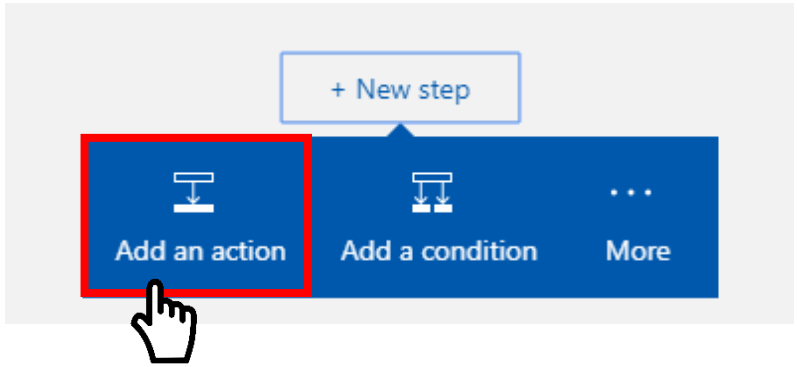
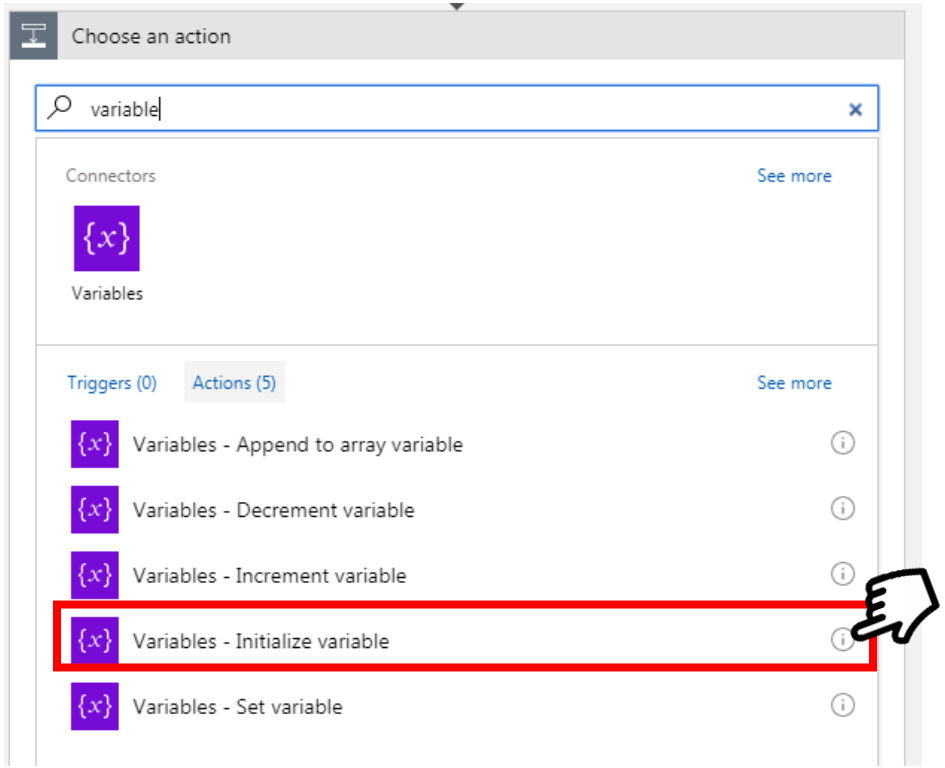
Request Body JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-
    04/schema#",
    "definitions": {},
    "id": "http://faceapidemo",
    "properties": {
        "ImageToBeDetected": {
                "type": "string"        },
        "PersonGroupId": {
                "type": "string"        },
        "PersonGroupName": {
                "type": "string"        },
        "PersonName": {
                "type": "string"        },
        "referenceImageUrl": {
                "type": "string"        },
        "sendEmail": {
                "type": "string"        }
    },
    "required": [
        "referenceImageUrl",
        "ImageToBeDetected",
        "sendEmail",
        "PersonGroupId",
        "PersonGroupName",
        "PersonName"
    ],
    "type": "object"
}
```

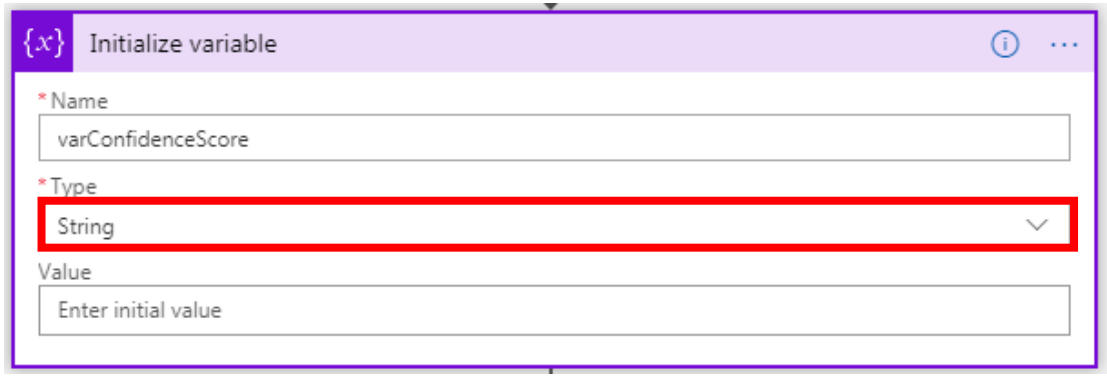
LOGIC APP

유사도 분석 후 결과값 저장할 변수 생성

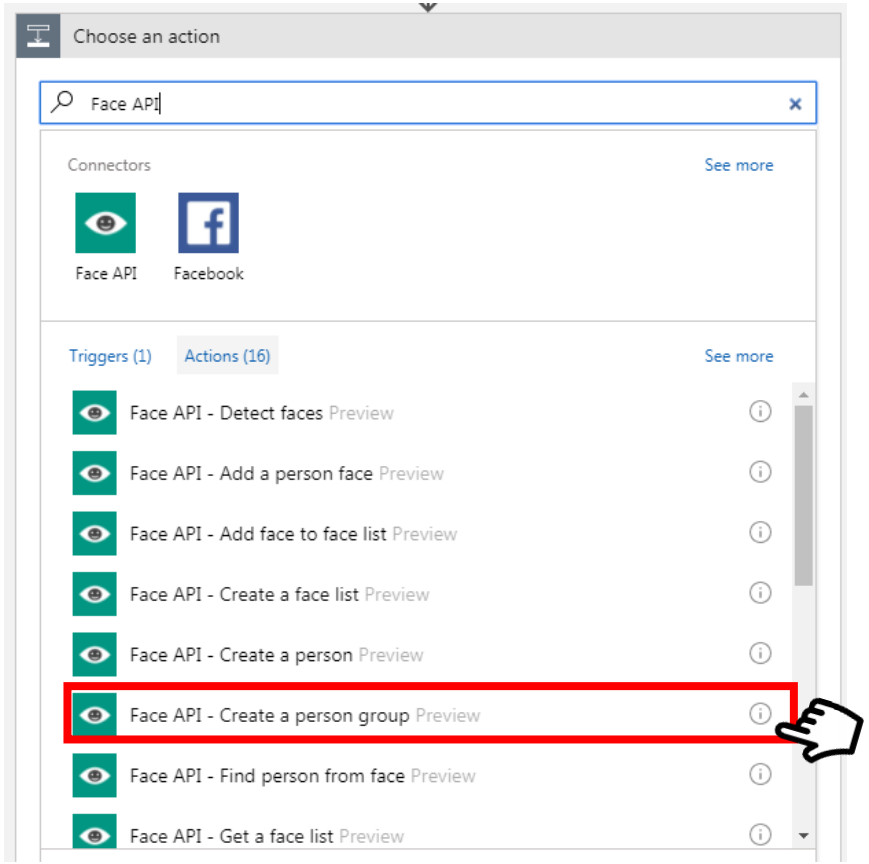


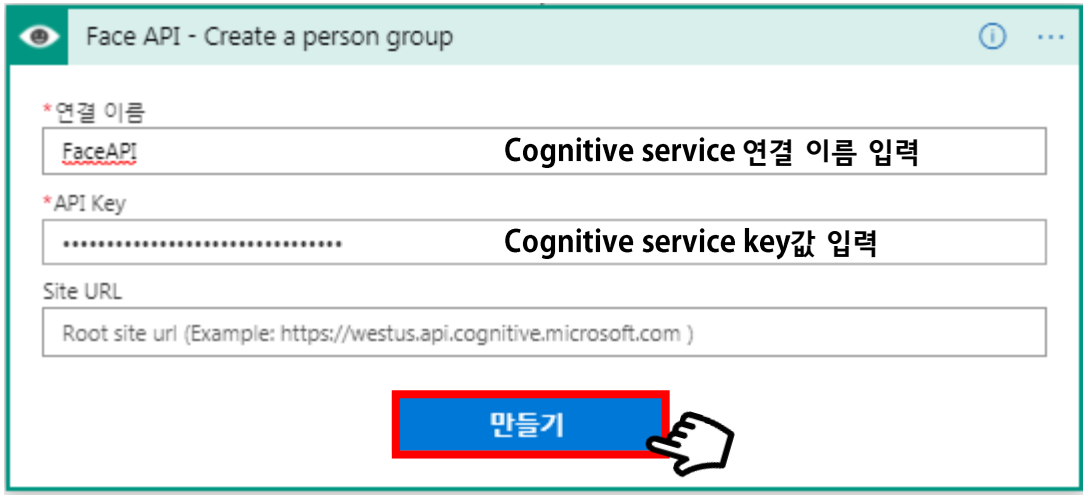


Face Verification으로 나온 Confidence Score을 저장할 string 변수 생성



LOGIC APP
Face API





unique한 person group id를 통해 imageA의 얼굴을 저장할 person group을 생성

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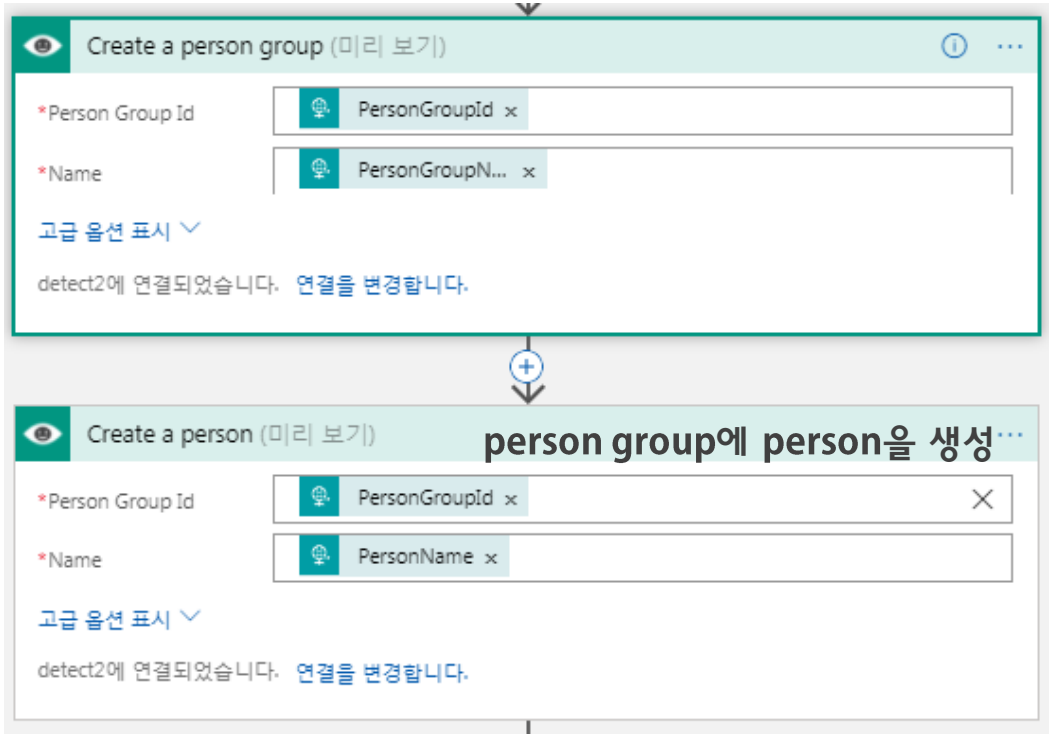
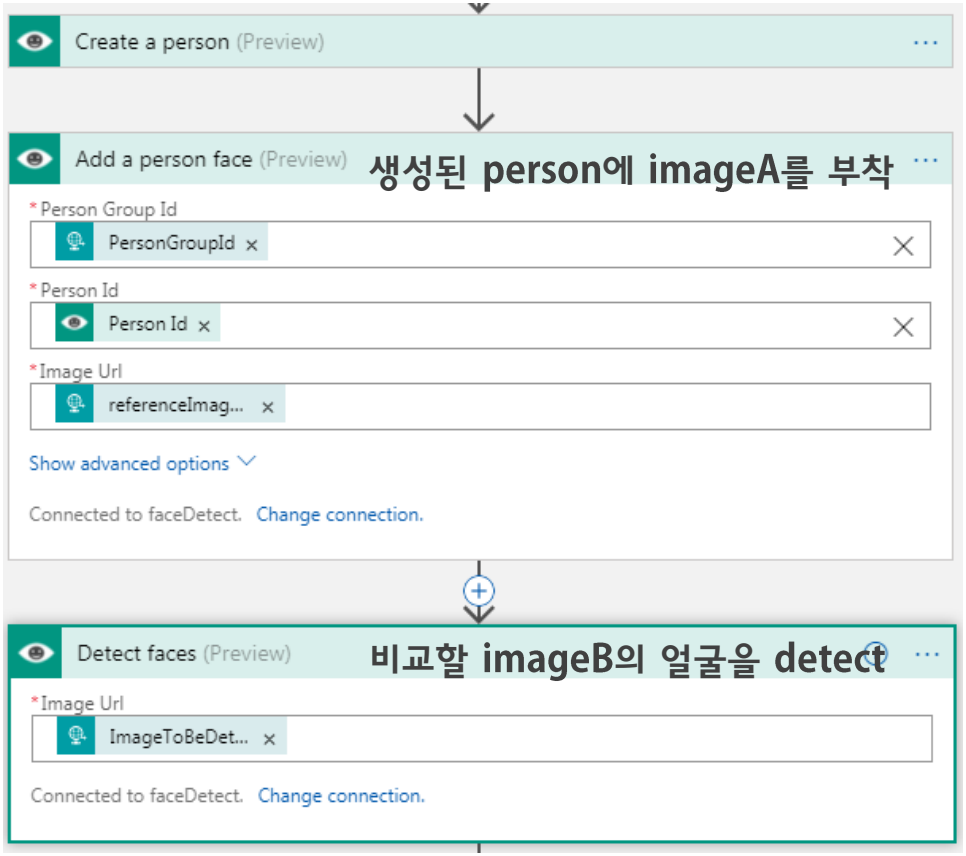
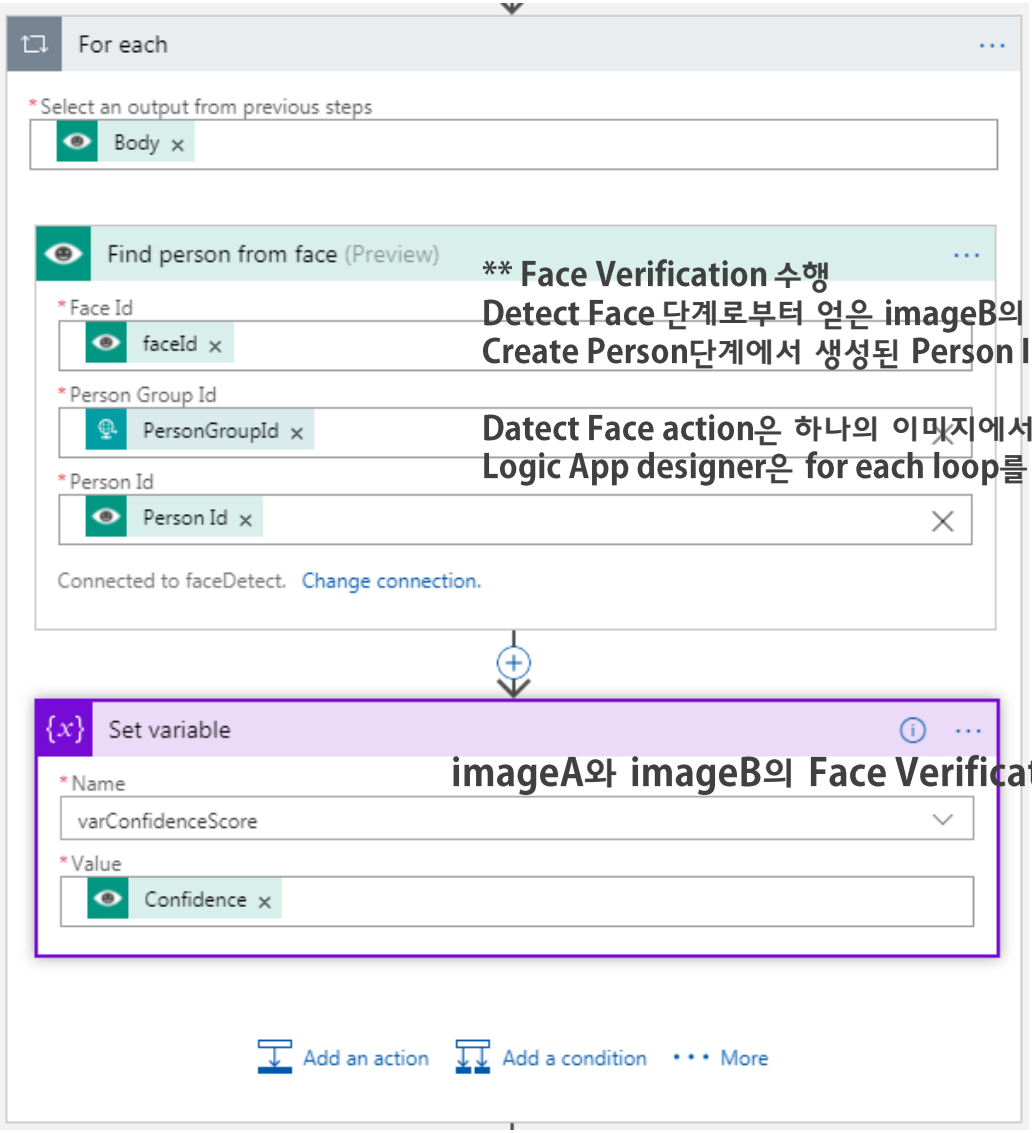
Face API





LOGIC APP
Face API

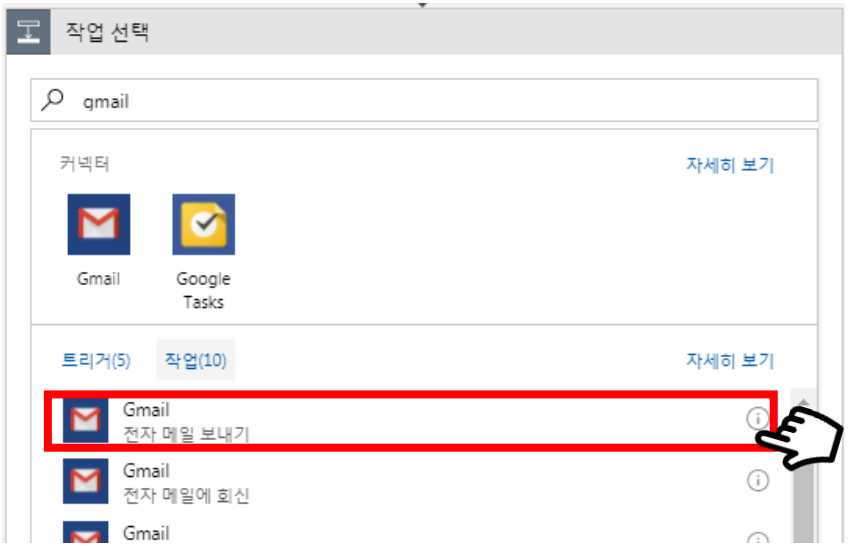


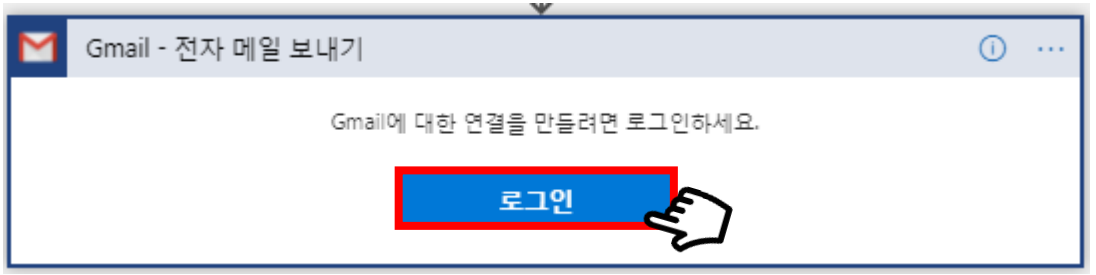
** Face Verification 수행
Detect Face 단계로부터 얻은 imageB의 Face Id와
Create Person단계에서 생성된 Person Id, 입력해둔 Person Group Id를 통해 Find Person From Face action을 수행

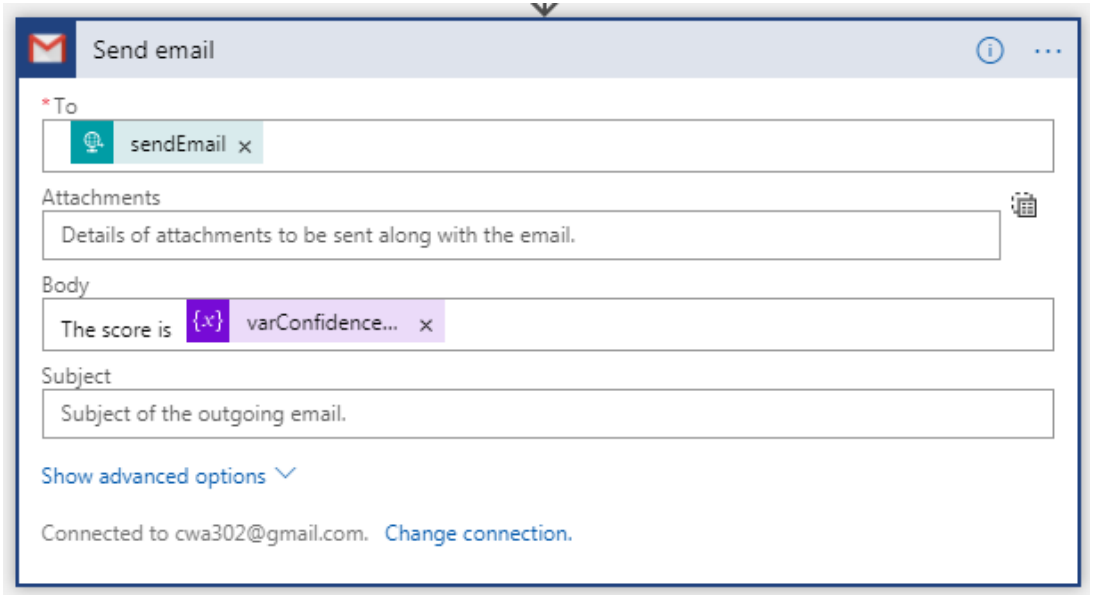
Datect Face action은 하나의 이미지에서 다양한 얼굴들을 detect 할 수 있기 때문에
Logic App designer은 for each loop를 추가 할 것

imageA와 imageB의 Face Verification을 통해 얻은 Confidence Score을 변수에 저장

LOGIC APP
Gmail 연결







LOGIC APP

결과값 출력

POST https://prod-39.westus.logic.azure.com:443/workflows/[redacted] Params Send

Authorization Headers (1) Body Pre-request Script Tests

form-data x-www-form-urlencoded raw binary JSON (application/json)

```
{
    "ImageToBeDetected" : "http://ph.incheonilbo.com/news/photo/201705/764482_293240_4559.png" ,
    "referenceImageUrl" : "http://www.segye.com/content/image/2017/01/13/20170113002386_0.jpg" ,
    "sendEmail": "[redacted]@naver.com",
    "PersonGroupId" : "firstLogic",
    "PersonGroupName" : "faceapigrpname1",
    "PersonName"      : "TestPerson1"
}
```

실습 결과값

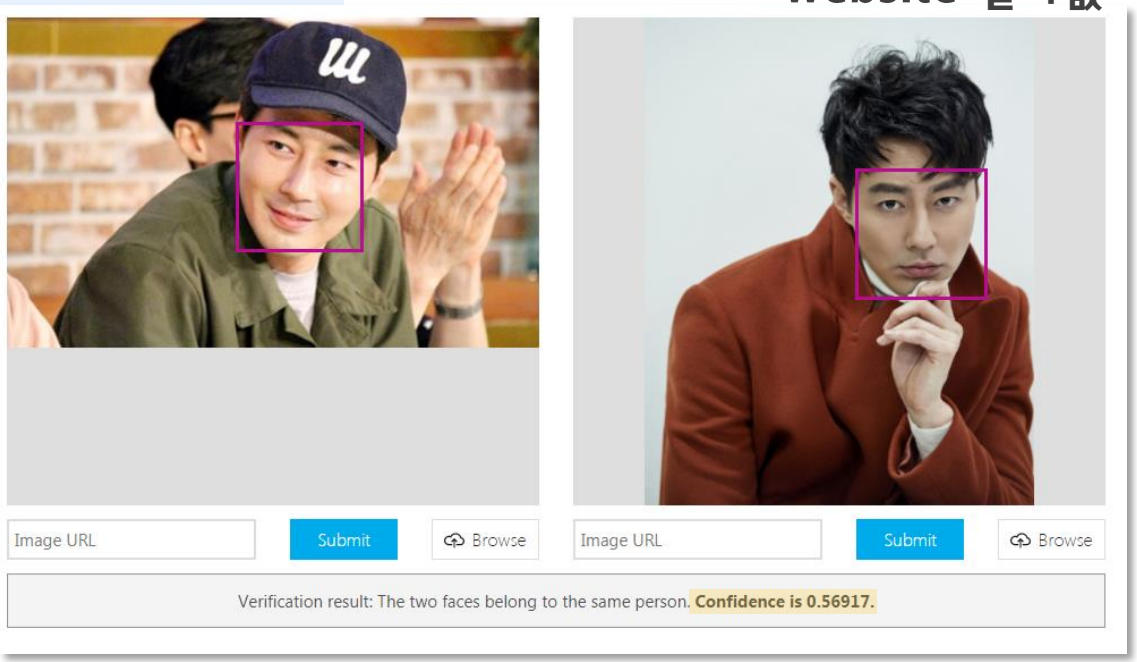
☆ (제목없음)

보낸사람 ☆ <cwa302@gmail.com>

받는사람 <cwa302@naver.com>

The score is 0.56917

website 결과값



Microsoft

감사합니다☺