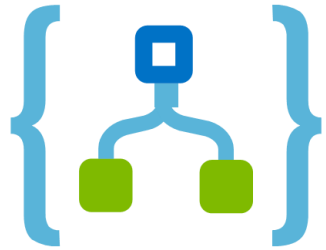


Logic App

AI service with serverless data computing

Microsoft Student Partner

차주연



Logic Apps

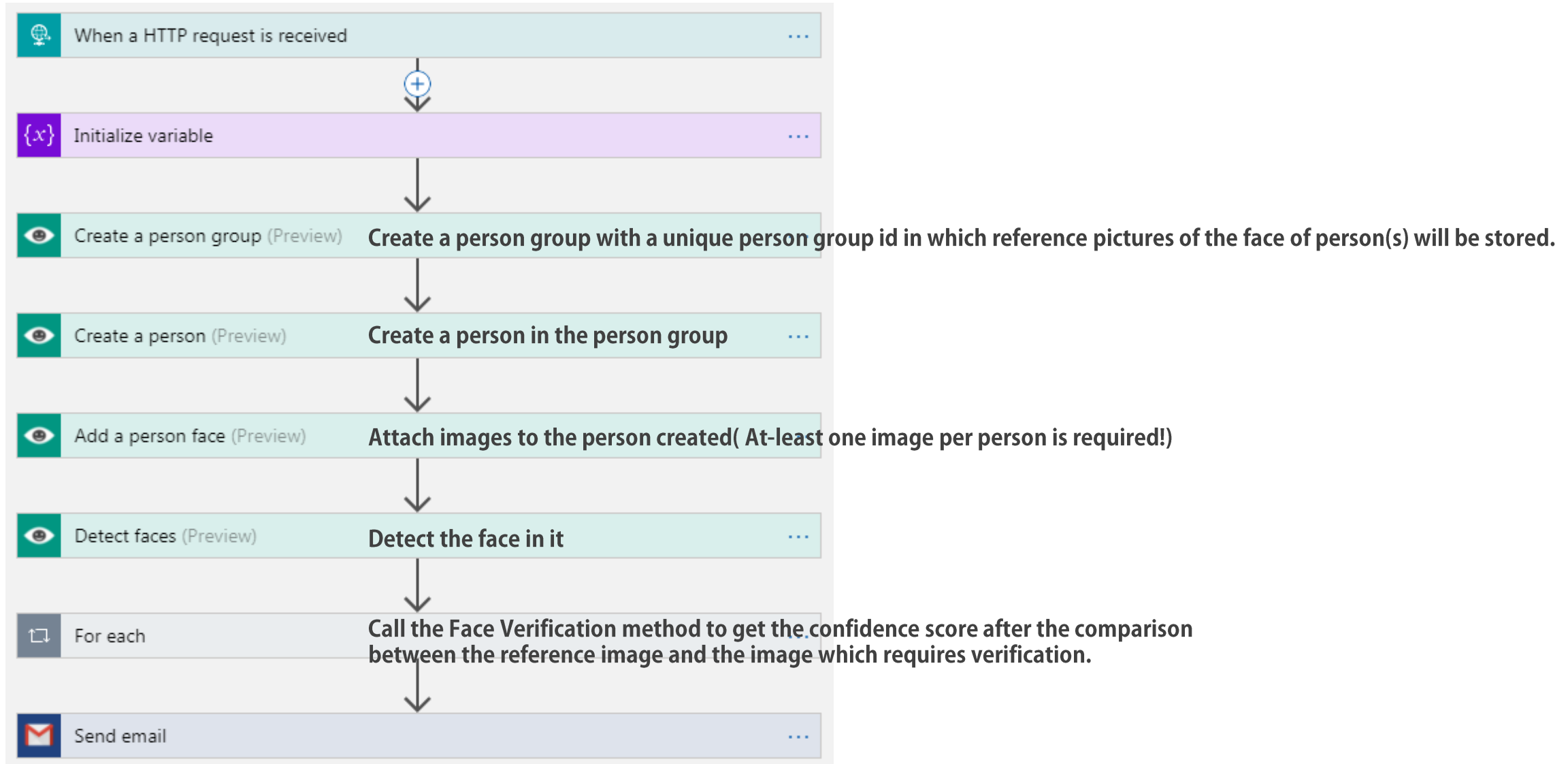
Quickly build powerful integration solutions

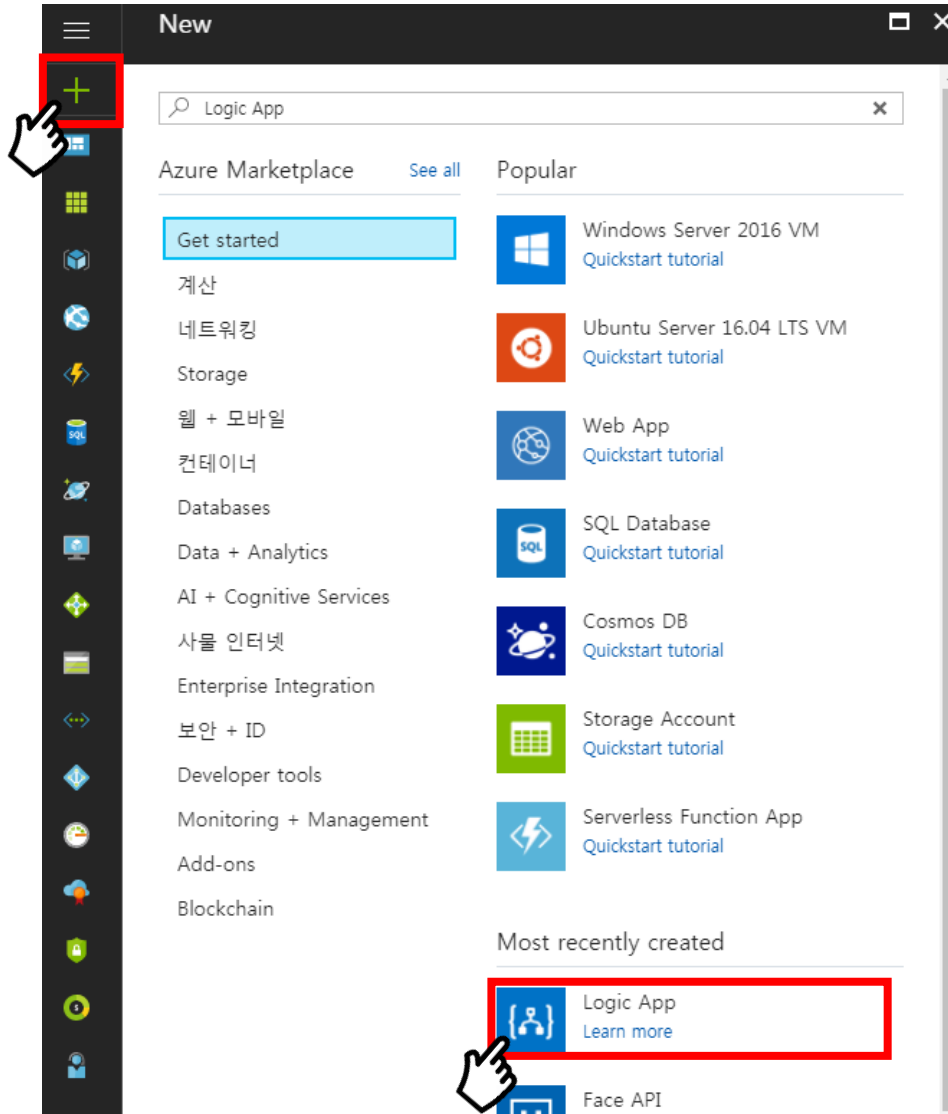
Connect your business-critical apps and services with Azure Logic Apps, automating your workflows without writing a single line of code.

*** 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>





일반적인 트리거로 시작
가장 일반적으로 사용되는 트리거 중 하나를 선택한 다음, 다양한 커넥터 컬렉션을 사용하여 수많은 작업을 오케스트레이션합니다.

Service Bus 큐에서 메시지가 수신되는 경우
되풀이
HTTP 요청을 수신하는 경우
Outlook.com에서 새 전자 메일이 수신되는 경우
새우
OneDrive에서 새 파일이 만들어지는 경우
Event Grid 이벤트가 발생할 때
F... 일이 주가도

템플릿
논리 앱을 만들려면 아래 템플릿을 선택하세요.

변주: 모두 정렬 기준: 인기도

비어 있는 논리 앱
+
HTTP 요청-응답
보기 잠금에서 Service Bus 메시지를 받아 완료
A... XML
Service Bus 세션을
Sharepoint 목록의
AS2 페이로드를 수

HTTP 요청을 수신하는 경우
HTTP POST URL 저장 후 URL이 생성됨
매개 변수에 기본값을 사용합니다. 편집

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



The screenshot shows the configuration for the 'When a HTTP request is received' trigger in the Azure Logic Apps portal. The 'HTTP POST URL' field is populated with a URL from a West US Azure subscription. The 'Request Body JSON Schema' field contains a JSON Schema that defines the structure of the incoming request body, including fields like 'ImageToBeDetected', 'referenceImageUrl', 'sendEmail', 'PersonGroupId', 'PersonGroupName', and 'PersonName'. Below the schema field, there are links for 'Use sample payload to generate schema' and a 'Show advanced options' dropdown.

When a HTTP request is received

HTTP POST URL
https://prod-39.westus.logic.azure.com:443/workflows/[redacted] trig...

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"  
    }  
  }  
}
```

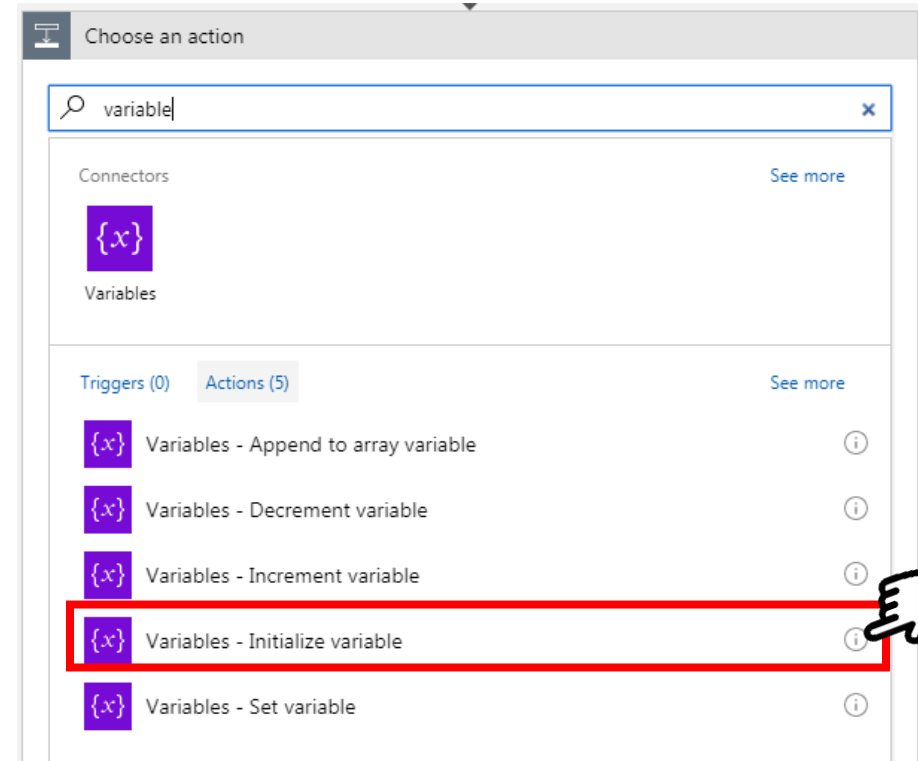
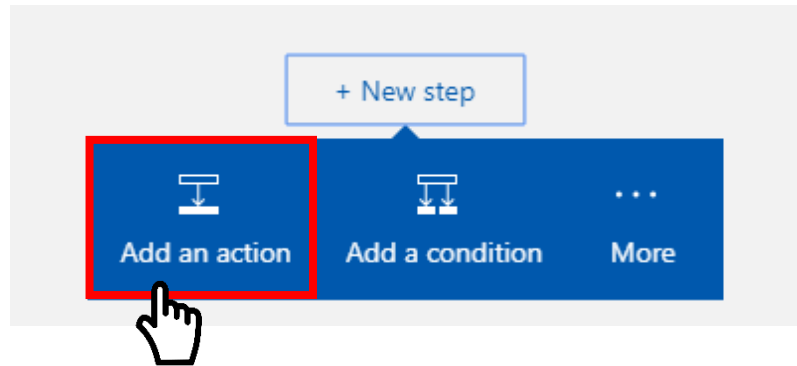
[Use sample payload to generate schema](#)

[Show advanced options](#) ▾

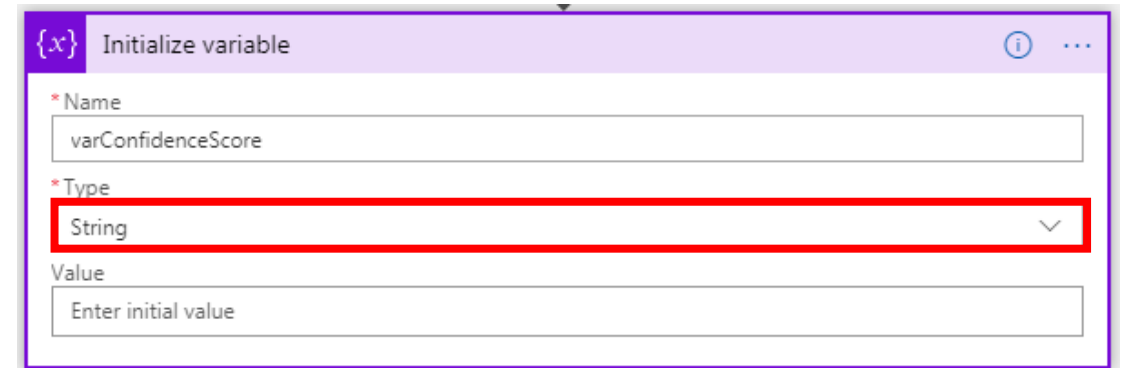
```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "definitions": {},
  "id": "http://faceapidemo",
  "properties": {
    "ImageToBeDetected": {
      "type": "string"
    },
    "PersonGroupId": {
      "type": "string"
    },
    "PersonGroupName": {
      "type": "string"
    },
    "PersonName":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

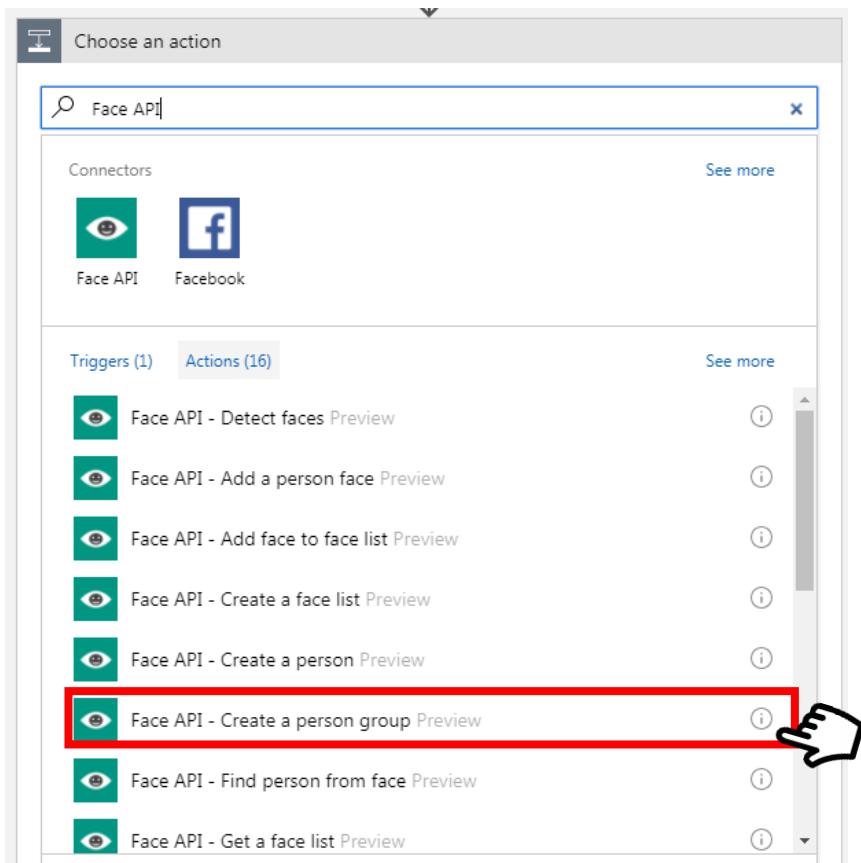
LOGIC APP

유사도 분석후 결과값 저장할 변수 생성



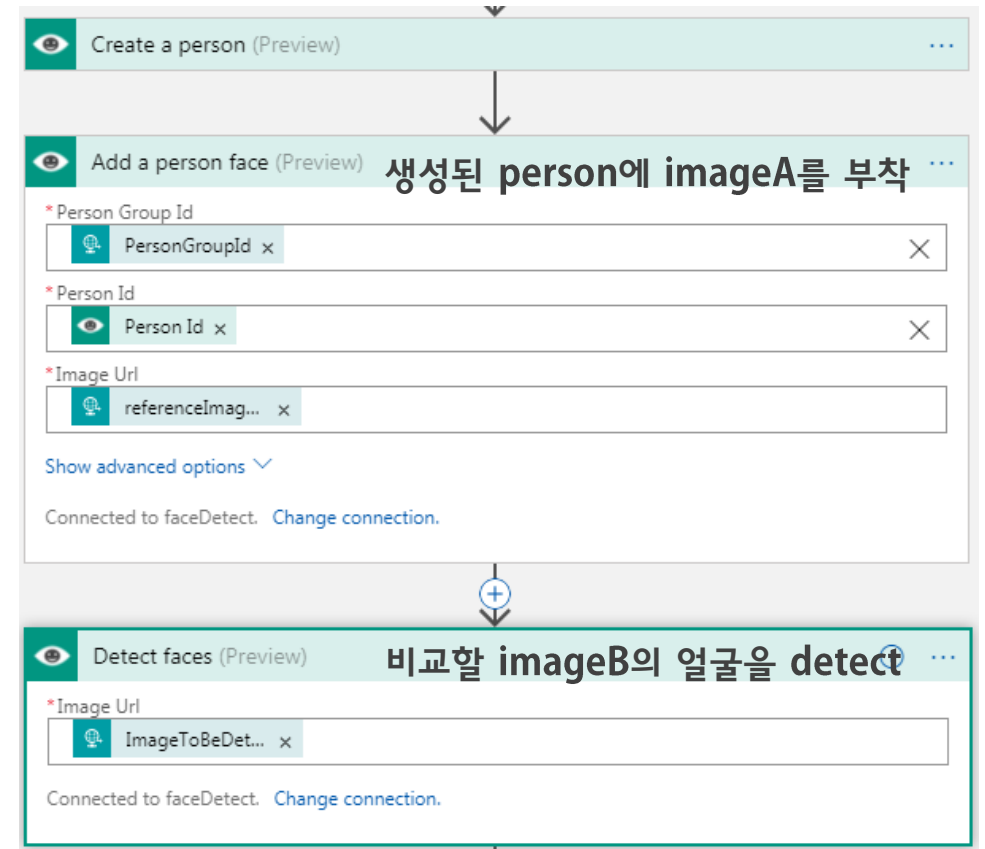
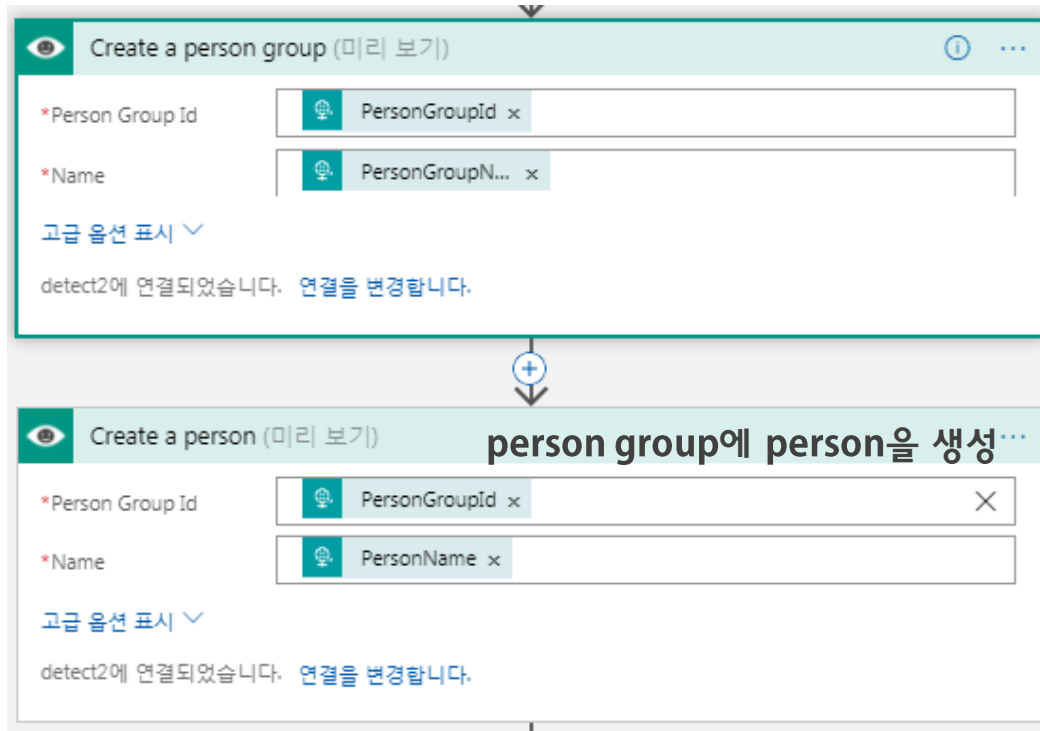
Face Verification으로 나온 Confidence Score을 저장할 string 변수 생성





The screenshot shows the configuration pane for the 'Face API - Create a person group' action. It has a title bar with an eye icon, the text 'Face API - Create a person group', and an information icon. The form contains three fields: 1. '* 연결 이름' (Connection Name) with the value 'FaceAPI' and a label 'Cognitive service 연결 이름 입력'. 2. '* API Key' with a masked value '*****' and a label 'Cognitive service key값 입력'. 3. 'Site URL' with the value 'Root site url (Example: https://westus.api.cognitive.microsoft.com)'. At the bottom, there is a blue button labeled '만들기' (Create) with a hand icon pointing to it.

unique한 person group id를 통해 imageA의 얼굴을 저장할 person group을 생성



The screenshot shows a Logic App workflow with the following components:

- For each** loop:
 - Input: **Body** (selected from previous steps).
 - Action: **Find person from face (Preview)** (labeled **** Face Verification 수행**).
 - Face Id**: **faceId**
 - Person Group Id**: **PersonGroupId**
 - Person Id**: **Person Id**
 - Connection: **Connected to faceDetect. [Change connection.](#)**
- Set variable** action (highlighted with a purple border):
 - Name**: **varConfidenceScore**
 - Value**: **Confidence**

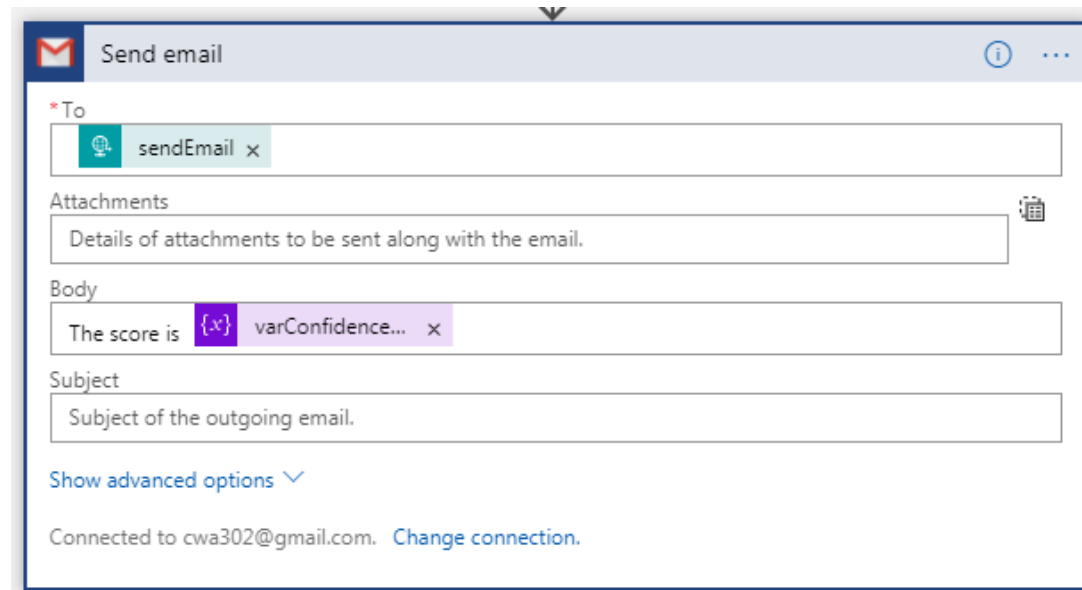
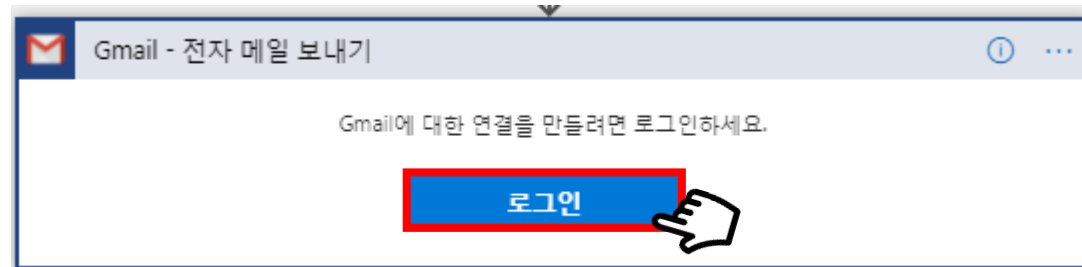
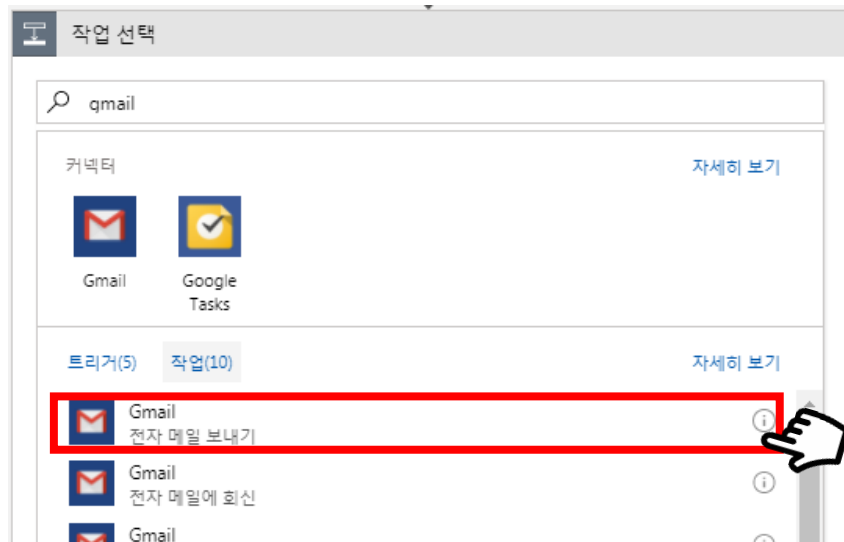
At the bottom, there are buttons for **Add an action**, **Add a condition**, and **More**.

**** Face Verification 수행**

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

Detect 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



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

Authorization Headers (1) **Body** Pre-request Script Tests

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

```

1
2 {
3   "ImageToBeDetected" : "http://ph.incheonilbo.com/news/photo/201705/764482_293240_4559.png" ,
4   "referenceImageUrl" : "http://www.segye.com/content/image/2017/01/13/20170113002386_0.jpg" ,
5   "sendEmail" : "cwa302@naver.com",
6   "PersonGroupId" : "firstLogic",
7   "PersonGroupName" : "faceapigrpname1",
8   "PersonName" : "TestPerson1"
9 }
    
```

실습 결과값



☆ (제목없음)

▲ 보낸 사람 ☆ <cwa302@gmail.com>

받는 사람 <cwa302@naver.com>

The score is 0.56917

website 결과값



Image URL

Submit

Browse

Image URL

Submit

Browse

Verification result: The two faces belong to the same person. **Confidence is 0.56917.**

감사합니다😊