



Indy Azure User Group

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In this session...

- Custom Image classification and object detection
- Publishing near real-time alerts in Azure
- Subscribing to near real-time alerts in Azure
- Event based IOT and software events

Custom Vision

A customizable web service that learns to recognize specific content in imagery

Upload images

Upload your own labeled images, or use Custom Vision Service to quickly tag any unlabeled images

Train

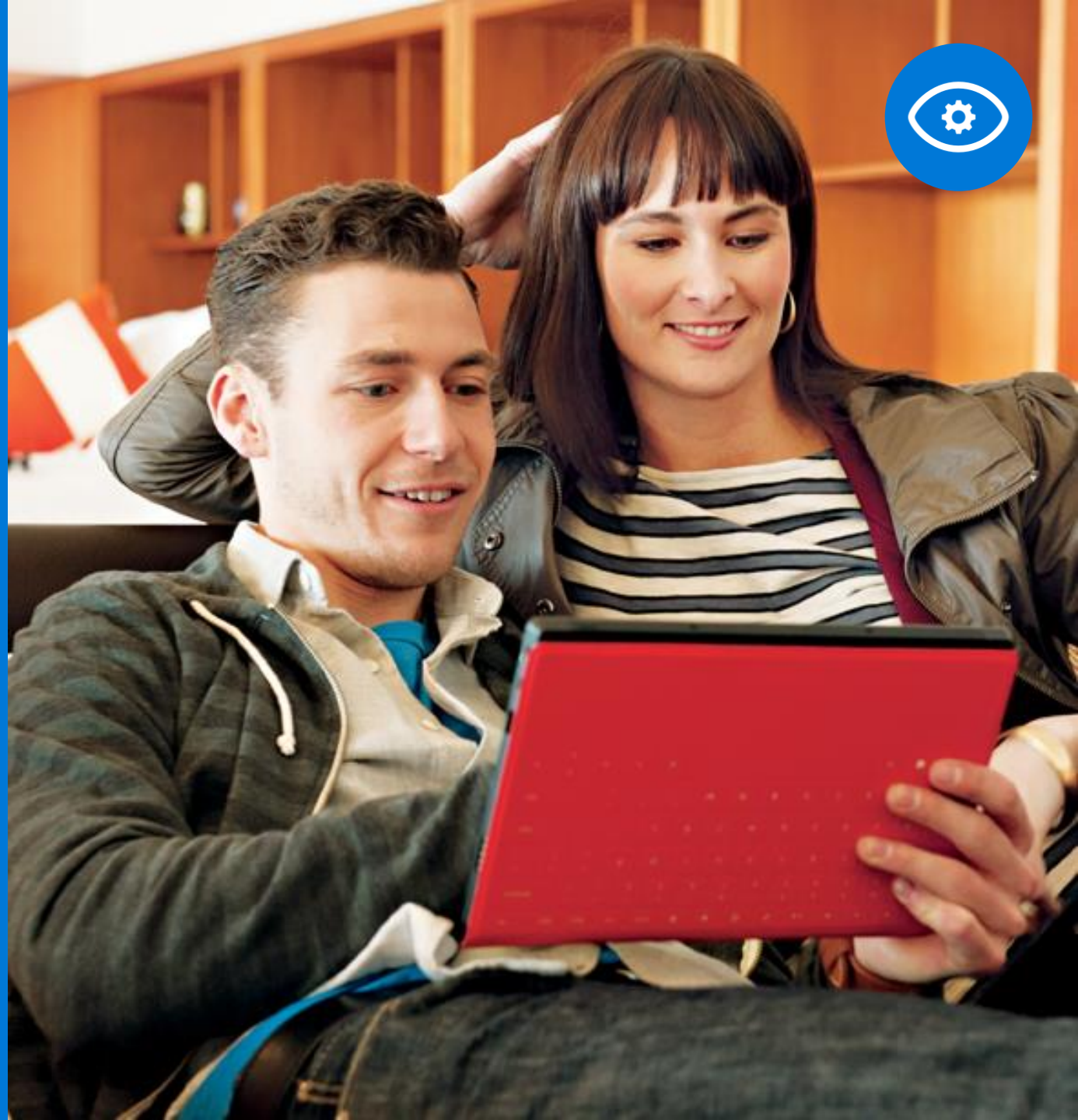
Use your labeled images to teach Custom Vision Service the concepts you want it to learn

Evaluate

Use simple REST API calls to quickly tag images with your new custom computer vision model

Active learning

Images evaluated through your custom vision model become part of a feedback loop you can use to keep improving your classifier



Custom Vision

Customize

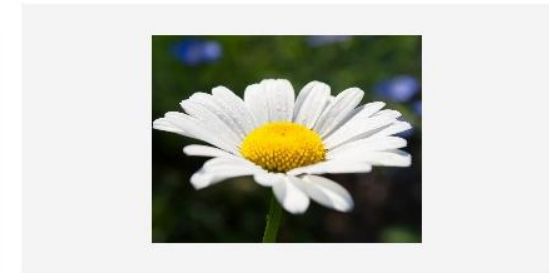
Design your own state-of-the-art models for unique use cases

Upload

Use labeled images to quickly train and update your models

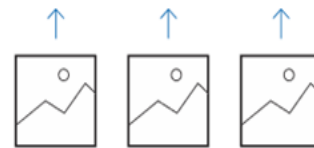
Export

Run models on a device or as a Docker container with just one click



Results

Tag	Probability
daisy	99.9%
trillium	3.1%
lily of the valley	0.1%
dogwood	0.0%



Upload Images

Bring your own labeled images, or use Custom Vision to quickly add tags to any unlabeled images.



Train

Use your labeled images to teach Custom Vision the concepts you care about.



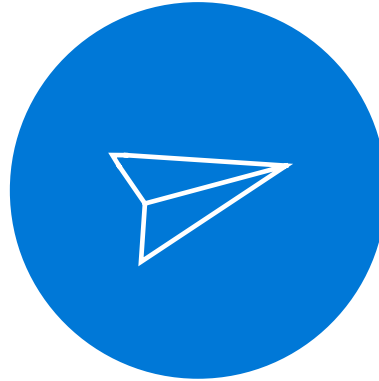
Evaluate

Use simple REST API calls to quickly tag images with your new custom computer vision model.

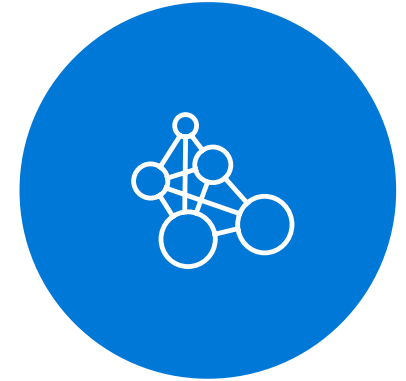
Azure Event Grid



Fully-managed
event routing



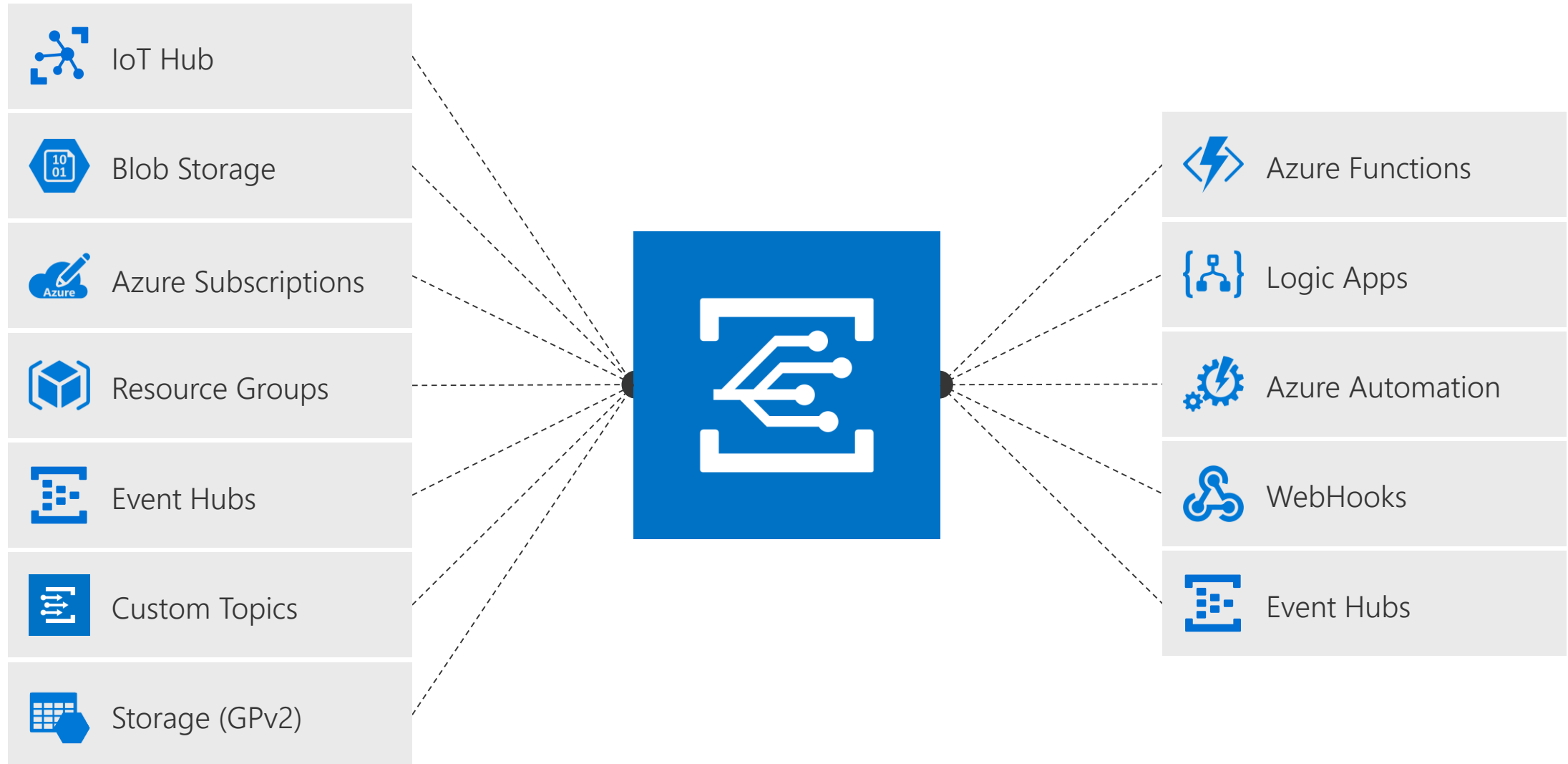
Near real-time event
delivery at scale



Broad coverage within
Azure and beyond

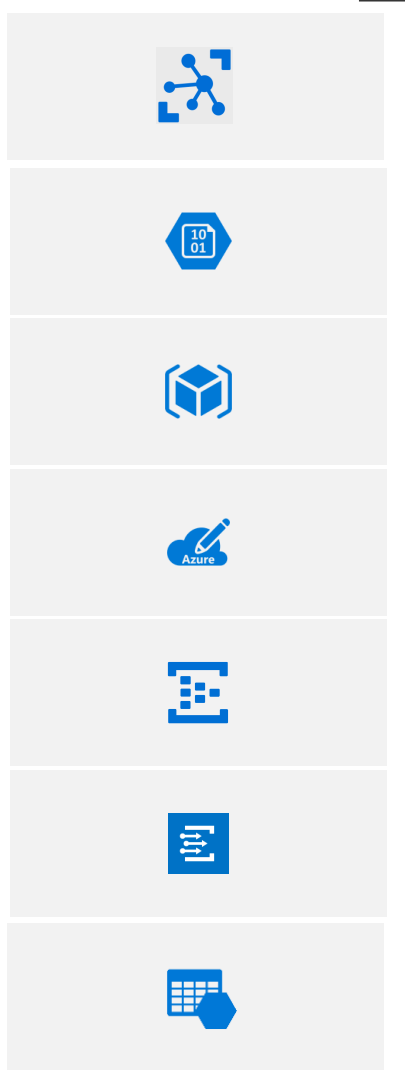
Backbone of event-driven computing

Manage all events in one place



Manage all events in one place

Event publishers



Subscribe to pre-defined system events in Azure or create your own custom topics

Route events to any end-points, Azure or even beyond

Enable filtering and efficient routing of events



Create Event Subscription

Event Grid - PREVIEW

Name

Subscription
Azure Event Grid - Test ▼

Resource group
☐ Use existing

Topic Type
Storage Accounts ▼

Event Types
Raised when a blob is created. ▼

Subscriber Type
Web Hook ▼

Prefix Filter
 Optional

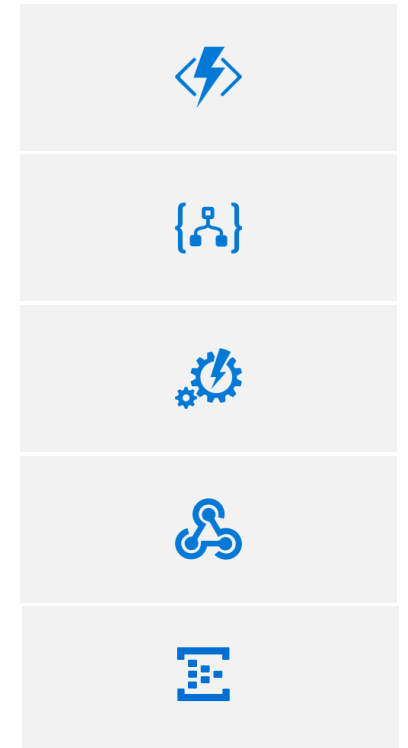
Suffix Filter
 Optional

☐ Filter Case Sensitive

Create



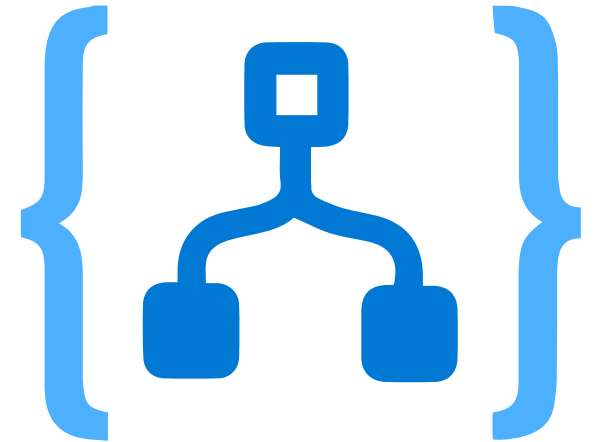
Event handlers



Azure Logic Apps

Easily automate workflows and orchestrate business processes

- Out-of-the-box connectors reduce integration challenges
- Connect and integrate data from the cloud to on-premises
- B2B and enterprise messaging in the cloud
- Powerful web-based workflow designer

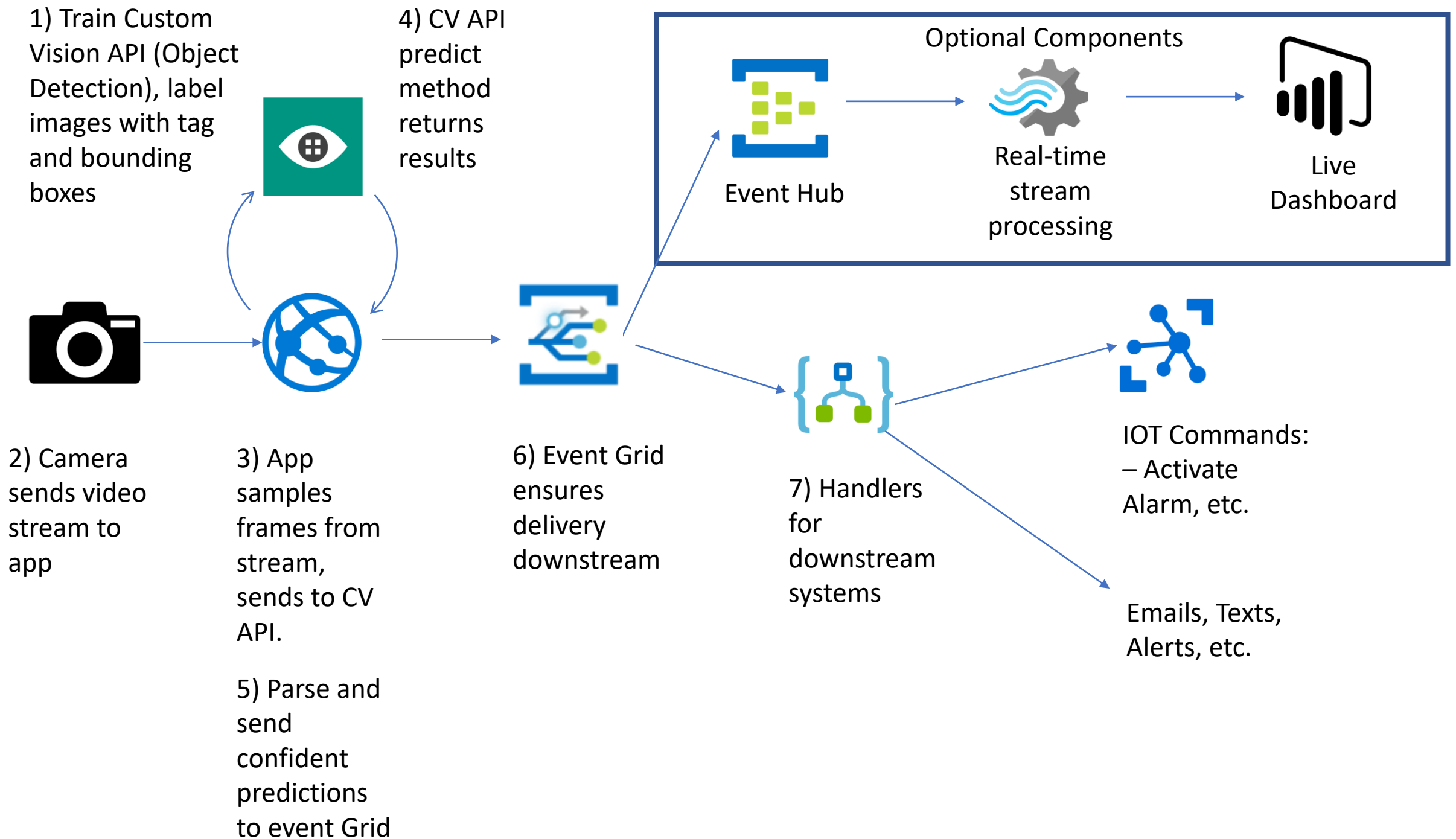


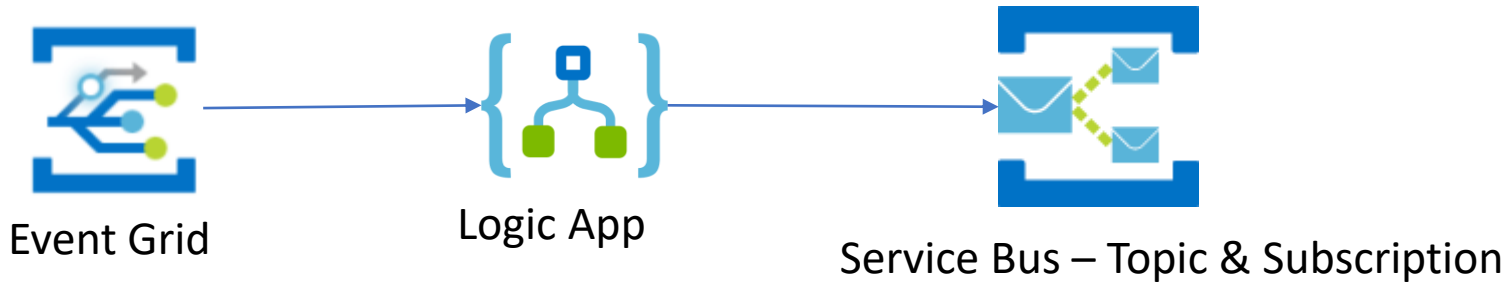
Azure Service Bus

Scalable and reliable cloud messaging as a service

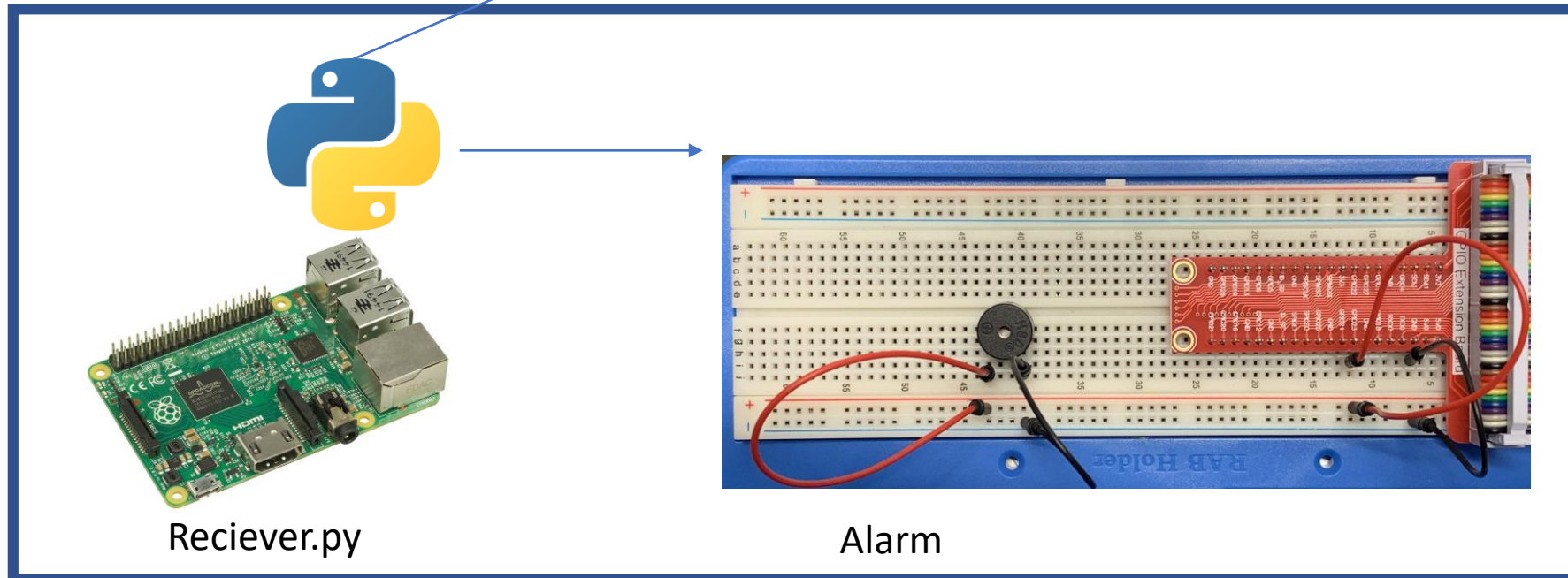
- Simplify enterprise cloud messaging
- Build reliable, scalable cloud solutions
- Implement complex messaging routing







MSFT Guest Network



At Home Test – Lock front door when object present

