

# Advanced Services

Memi Lavi  
[www.memilavi.com](http://www.memilavi.com)



AI + Machine Learning	Analytics	Compute	Databases	Development	Identity + Security	IoT + MR	Integration	Management + Governance	Media + Comms	Migration	Networking	Storage
Bot Service	Analysis Services	App Service	Blockchain Service	App Configuration	Azure Active Directory	Azure Maps	API Management	Automation	Azure CDN	Azure Migrate	Application Gateway	Avere vFXT
Cognitive Search	Azure Purview	App Service (Linux)	Cosmos DB	Azure DevOps	Azure AD B2C	Azure Sphere	Azure API for FHIR	Azure Advisor	Communication Services	Data Box	Azure Bastion	Azure NetApp Files
Cognitive Services	Data Catalog	Azure Batch	Database for MariaDB	Azure Spring Cloud	Azure AD DS	Digital Twins	Event Grid	Azure Arc	Media Services	DB Migration Service	Azure DNS	Azure Storage
Machine Learning	Data Explorer	Azure Functions	Database for MySQL	DevTest Labs	Azure Defender	IoT Central	Logic Apps	Azure Automanage		Site Recovery	Azure Firewall	Data Lake Storage
Microsoft Genomics	Data Factory	Azure VMware Solutions	Database for PostgreSQL	Lab Services	Azure Key Vault	IoT Edge	Notification Hubs	Azure Backup			Azure Front Door	Data Share
Open Datasets	Data Lake Analytics	Cloud Services	Redis Cache	SignalR Service	Azure Sentinel	IoT Hub	Service Bus	Azure Blueprints			Azure Orbital	Managed Disks
	Databricks	Container Instances	SQL Database	Visual Studio App Center	DDoS Protection	Remote Rendering		Azure Lighthouse			ExpressRoute	StorSimple
	Event Hubs	Container Registry	SQL Server Stretch DB		Dedicated HSM	Spatial Anchors		Azure Monitor			Load Balancer	
	HDInsight	CycleCloud			Information Protection	Time Series Insights		Azure Policy			Network Watcher	
	Power BI Embedded	Dedicated Host			Security Center			Azure Portal			Private Link	
	Stream Analytics	Kubernetes Service						Cloud Shell			Traffic Manager	
	Synapse Analytics	Service Fabric						Cost Management			Virtual Network	
		Virtual Machines						Managed Apps			Virtual WAN	
		VM Scale Sets						Scheduler			VPN Gateway	
		Windows Virt. Desktop										

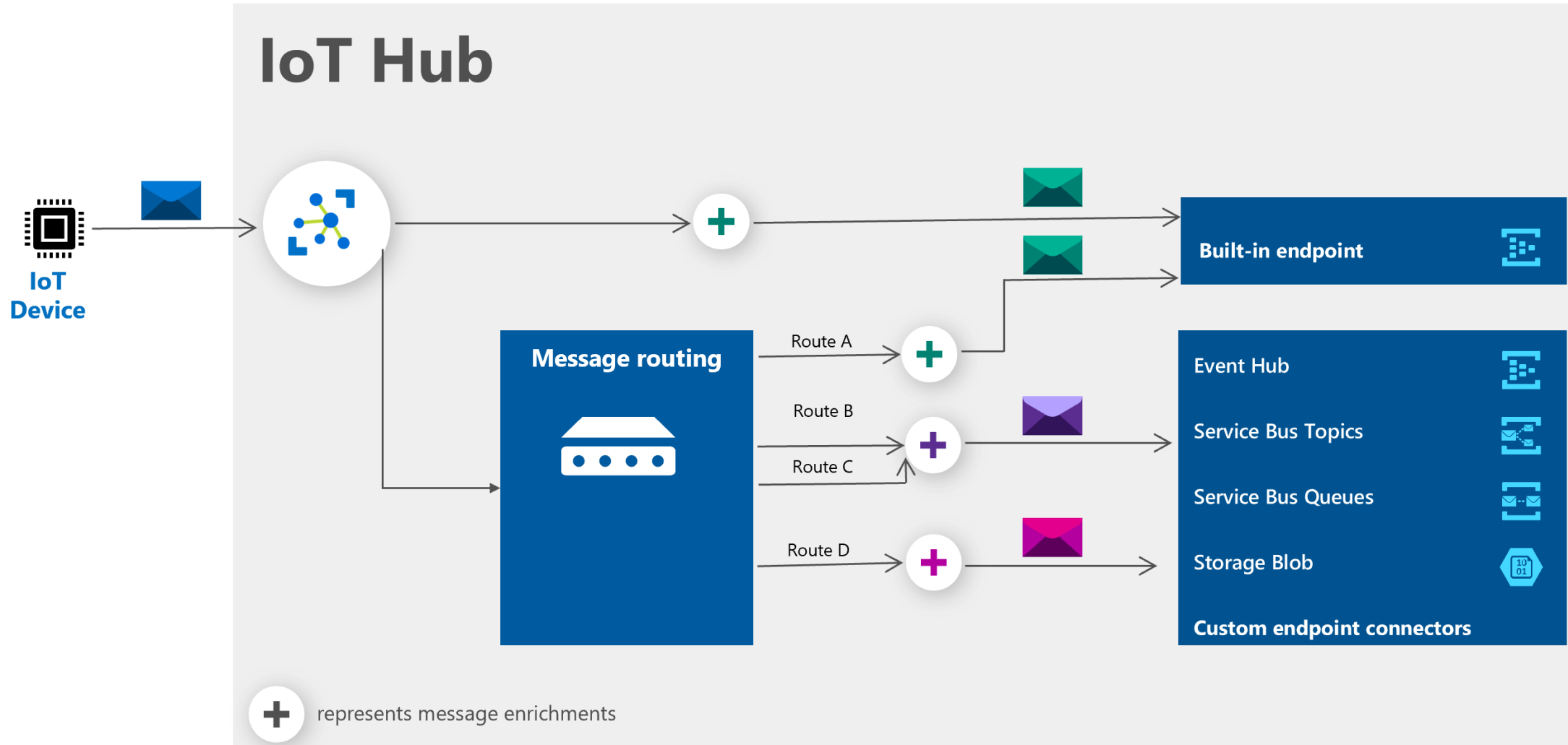
Source: <https://azurecharts.com/overview>

# IOT Hub

---

- Central message hub for IoT devices
  - IoT = Internet of Things (cameras, sensors, connected cars etc.)
- Handles security, reliability, enrichment, routing and more
- Integrates with other Azure services
- Handles millions of devices easily

# IoT Hub

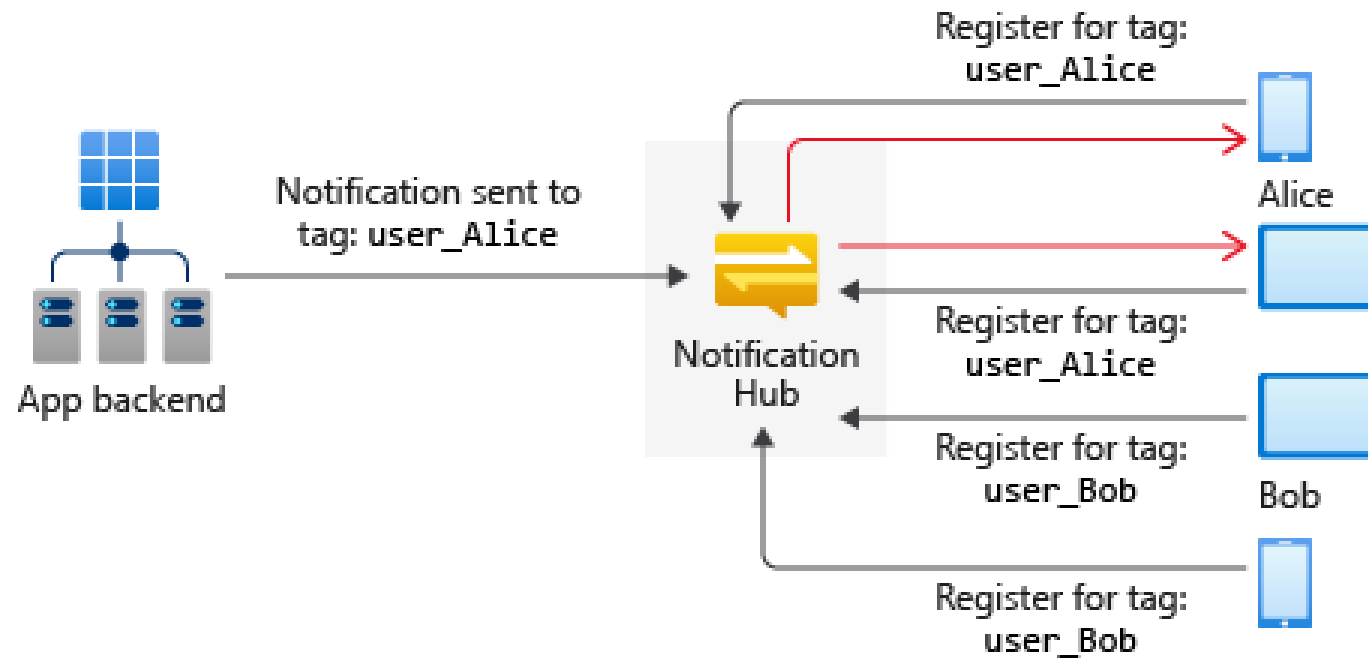


# Notification Hub

---

- Central hub for sending push notifications to any platform
- Supports iOS, Android, Windows, Kindle and Baidu
- Can be used by any backend, including on-premise one
- Supports million of mobile devices

# Notification Hub

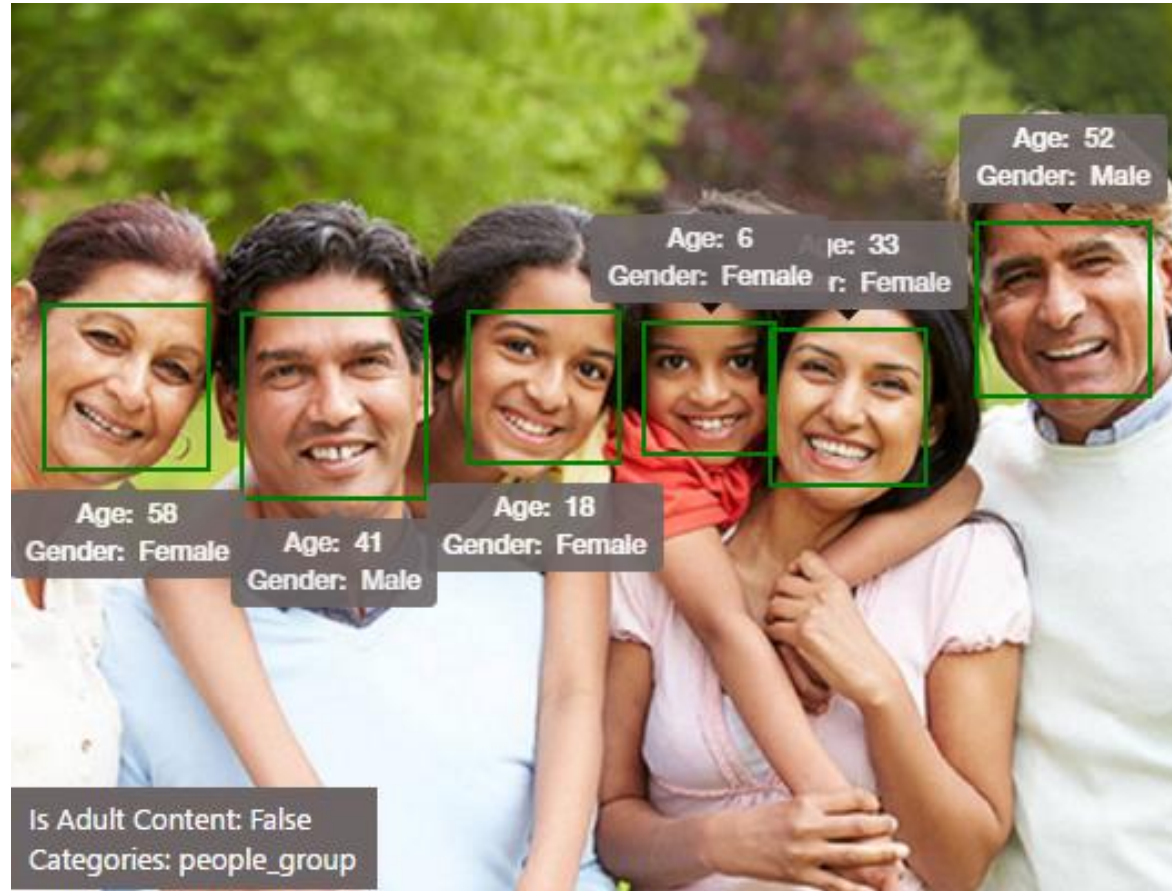


# Cognitive Services

---

- Set of APIs running AI (Artificial Intelligence) algorithms
- Does not require machine learning knowledge
- Enables: Anomaly detection, Language Understanding, Translator, Speech to Text, Computer Vision and lots and lots more...
- Extremely easy to use

# Cognitive Services





# Summary

---

- Azure has hundreds of services
- Before developing your own – check if it doesn't already exist
- We'll cover many of them in future courses 😊