

# Mass Data Processing: IoT - Azure Integration – 3 Day Workshop

Is your company producing devices? Does your company plan to get market advantage by making your devices more intelligent? GFI can help you to start your IoT journey by enabling you quickly in powerful IoT Azure Service portfolio. With our help, your organization will quickly understand how Azure Platform may accelerate your business by providing securely the support for IoT world and also for related topics like Big Data Analytics, Machine Learning, Predictive Maintenance and Edge Computing.

## Deliverables

After the workshop, the attendees will understand the general architectural patterns of IoT systems with usage of Azure Cloud Services and Resources

## Agenda

Day 1: Learn about IoT Integration patterns and Azure Support – Gateways, Protocols, Interaction scenarios, Stream Processing, Storages, Data Access Portals

Day 2: Learn about future of IoT - IoT as Big Data Source, Intelligent Devices, Machine Learning based on your private data, Predictive Maintenance of the Devices, Edge computing.

Day 3: We will plan the base IOT system – the kick-off project for your devices – if possible, let's try to integrate readily to use components and create simple working example...

## MICROSOFT TECHNOLOGY INTEGRATION

### Stream Ingest

- Azure Event Hub
- Azure Event Grid
- Kafka streams
- Azure IOT Hub

### Stream Processing

- Azure Stream Analytics
- Azure Service Fabric

### Serving Databases

- Azure SQL DB
- Azure Cosmos DB
- Azure Redis

### OLAP and Big Data Storages

- Azure Storage Account
- Azure Data Lake
- Azure SQL Datawarehouse

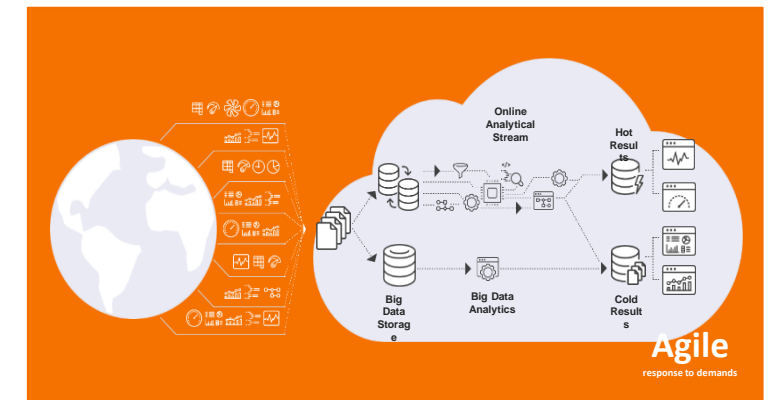
### Batch Processing

- Azure Data Lake Analytics
- Azure Batch
- Azure Databricks
- Azure Machine Learning

## MARKET OVERVIEW

Azure Cloud gives an option of cheap storage and computing power and advanced analytical services making all the power of Big Data Analytics available for any company in the market.

**Now – it's the right time for you to utilize this power.**



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