

Remote Monitoring

Azure App Service



- Dashboard
- SQL
- BI Dashboard
- Identity
- Full Data Capture
- Business
 - Synthetic Audit Data (Architecture)
 - Feedback loops
 - iTunes
 - Veto
 - Act



The changing world of app development

Mainframe
Monolithic
Client/Server
3 Tier
Component
RAD
Distributed
SOAP
SOA
Web
REST
Mobile
Microservices
Containers
Serverless



Physical
Machines



Virtual
Machines



Cloud
Infrastructure



Born in
the Cloud

Build on a
developer platform
(PaaS + Serverless)



Let's say your app is a car...



IaaS

...you can own and operate your own car



PaaS

...you can create innovative apps using an application platform



SaaS

...you can take a taxi

Balance of responsibility

Balance of control and responsibility depends on the category of the service

MOVE-IN READY

Use immediately with minimal configuration

SOME ASSEMBLY REQUIRED

Existing services are a starting point, with additional configuration for a custom fit

BUILD FROM THE GROUND UP

Building blocks, create your own solution or apps from scratch

Responsibility	On-Prem	IaaS	PaaS	SaaS
Applications	Customer	Customer	Customer	Microsoft
Data	Customer	Customer	Customer	Microsoft
Runtime	Customer	Customer	Microsoft	Microsoft
Middleware	Customer	Customer	Microsoft	Microsoft
O/S	Customer	Customer	Microsoft	Microsoft
Virtualization	Customer	Microsoft	Microsoft	Microsoft
Servers	Customer	Microsoft	Microsoft	Microsoft
Storage	Customer	Microsoft	Microsoft	Microsoft
Networking	Customer	Microsoft	Microsoft	Microsoft

Customer Microsoft



Azure App Service

Enterprise-grade apps



Global data center footprint



Hybrid support

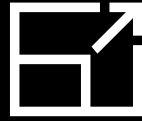


AAD integrated



Secure + compliant

Fully managed platform



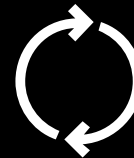
Built-in auto scale and load balancing



High availability with auto-patching



Reduced operations costs



Backup and recovery

High productivity development



.NET, Java, PHP, Node, and Python



Staging and deployment



Testing in production



App gallery marketplace



App Service



Web Apps



Mobile Apps



API Apps



Logic Apps



Functions

DevOps productivity



Source code
control
integration



CI/CD build
and deploy



Staged
deployments
with slots



Auto scale
on demand



Monitoring
and alerting

Application templates



Umbraco



Orchard



Episerver



WordPress



DNN
Platform



Joomla



Drupal

Multiple languages and frameworks



ASP.NET



ASP.NET
Core 1.0



Java



python™

node.js



Enterprise workloads



SOC 2



ISO/IEC 27018



PCI-DSS



Global scale



Corporate
connectivity



Azure Active
Directory



Dedicated
environments



App Service



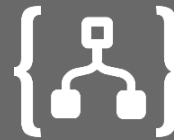
Web Apps



Mobile Apps



API Apps



Logic Apps



Functions

Offline sync



SQL

User authentication



Facebook



Twitter



Microsoft



Google



Azure Active Directory

Push notifications



Apple
iOS OSX



Android



Windows



Kindle



In-App

Data connections



Azure SQL
database



Mongo DB



Document DB



Office 365



Azure tables



App Service



Web Apps



Mobile Apps



API Apps



Logic Apps



Functions

API fundamentals



Swagger
API Metadata



CORS enablement

Authentication / Access Control



EasyAuth



Service Principle
Authentication

API Consumption



Client SDK
Generation



Logic Apps

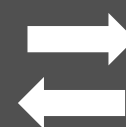


Power Apps



Flows

Integration with API Management





App Service



Web Apps



Mobile Apps



API Apps



Logic Apps



Functions

Connect SaaS applications



SharePoint Online



Unlock value across on-premises and cloud



SharePoint

Microsoft
SQL Server

BizTalk
Server
Connector

Automate EAI, B2B/EDI, and business processes



{JSON}

Flatfile

VETER
Pipeline

AS2/X12/
Edifact

Format conversion

Enterprise messaging

B2B

Enhance integration solution with Azure services



Functions



API
management



Cognitive
services



Machine
learning



Blob
storage



SQL
database



App Service



Web Apps



Mobile Apps



API Apps



Logic Apps



Functions

Event-driven



Timer



Data processing



WebHook + API

Bind into services



Azure
Blob
Storage



Azure
Queues



Azure
Service Bus



OneDrive

OneDrive



Dropbox



Box



Google
Drive

Accelerate development



Local
development



Integrated
DevOps



Package
management



Function
monitoring

Languages supported



C#



F#



JavaScript



PHP



PowerShell



Bash



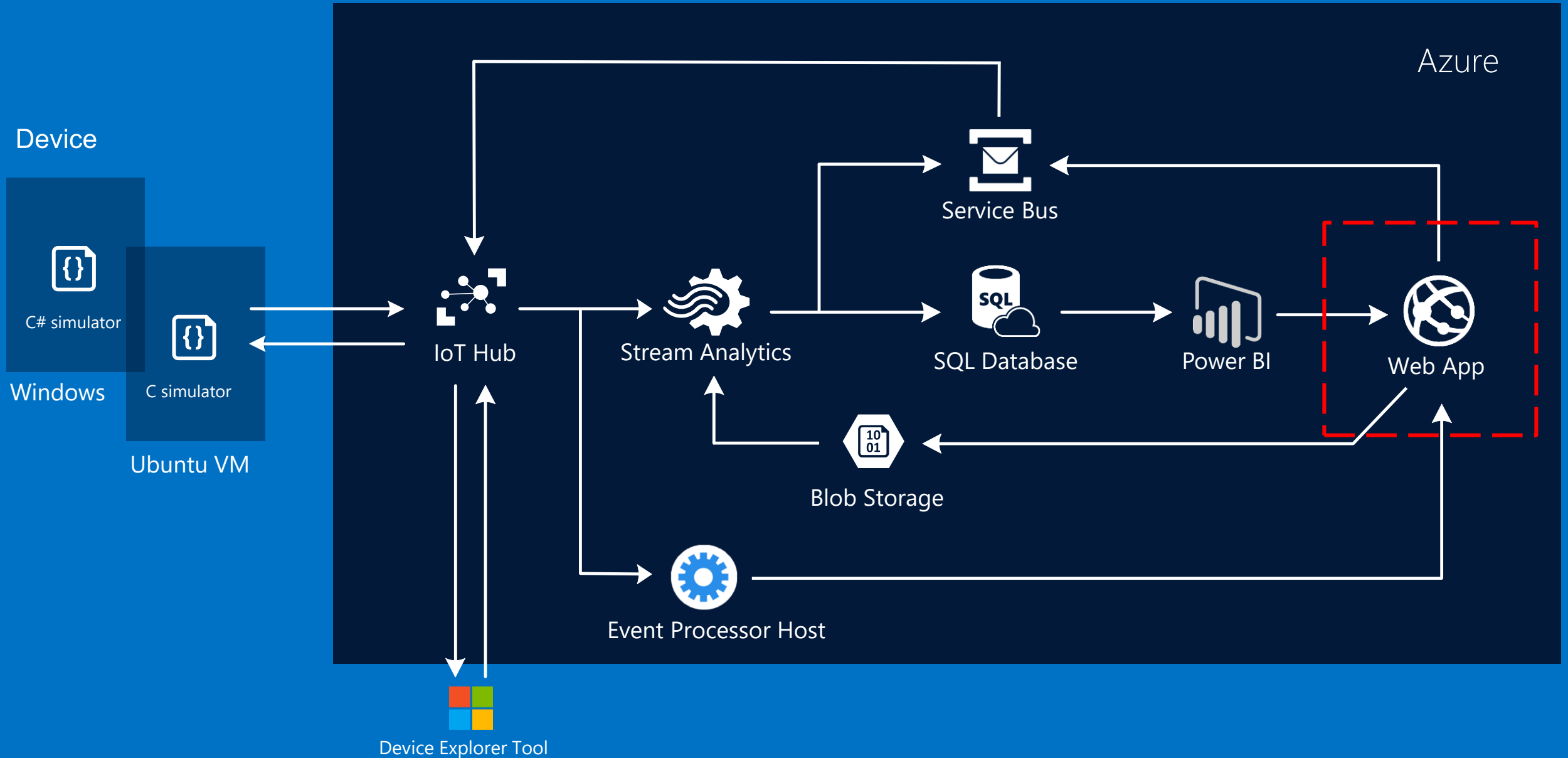
Batch

Get Started w/ App Service!

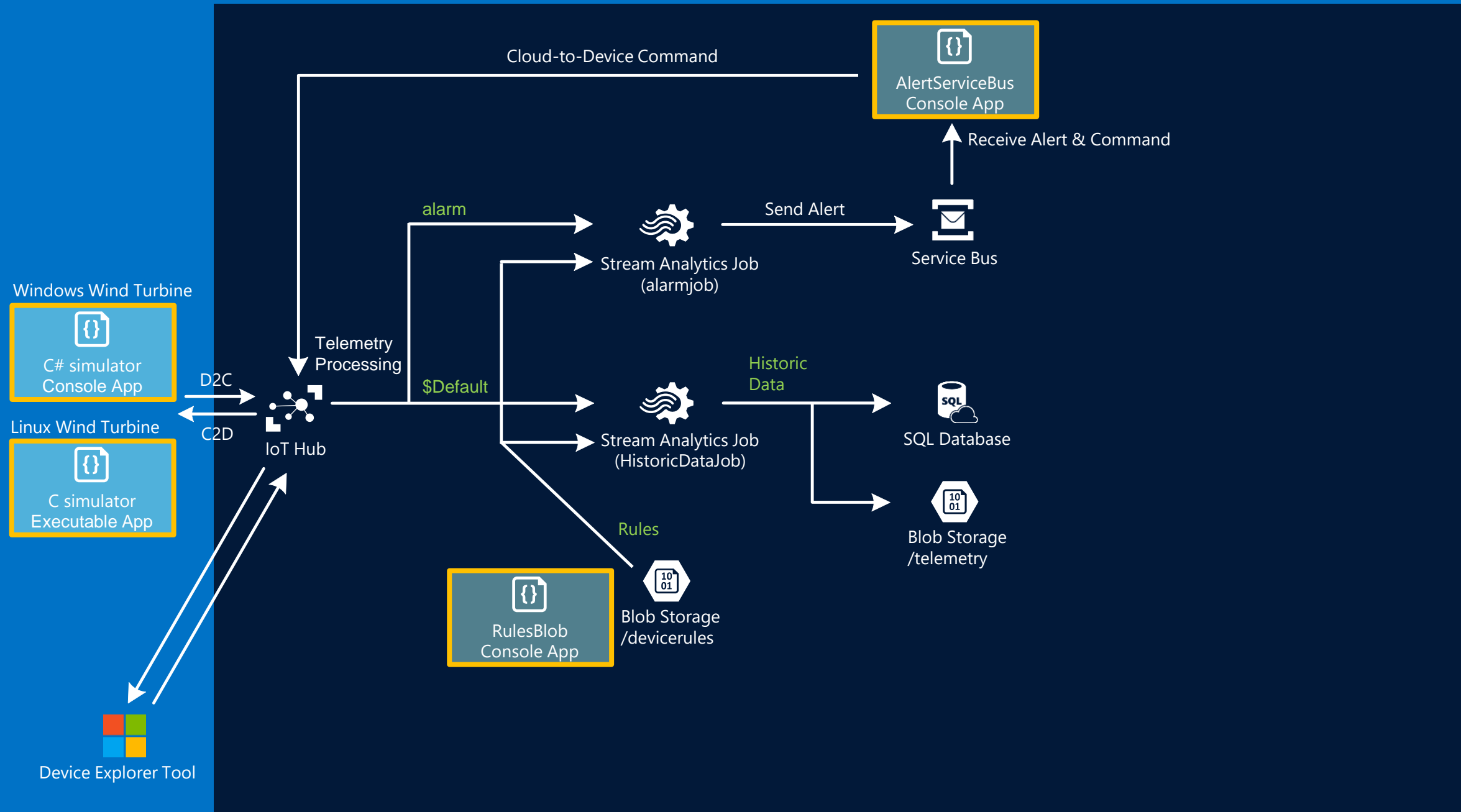
- Build free trial apps today (no credit card required)!
- <https://tryappservice.azure.com/>



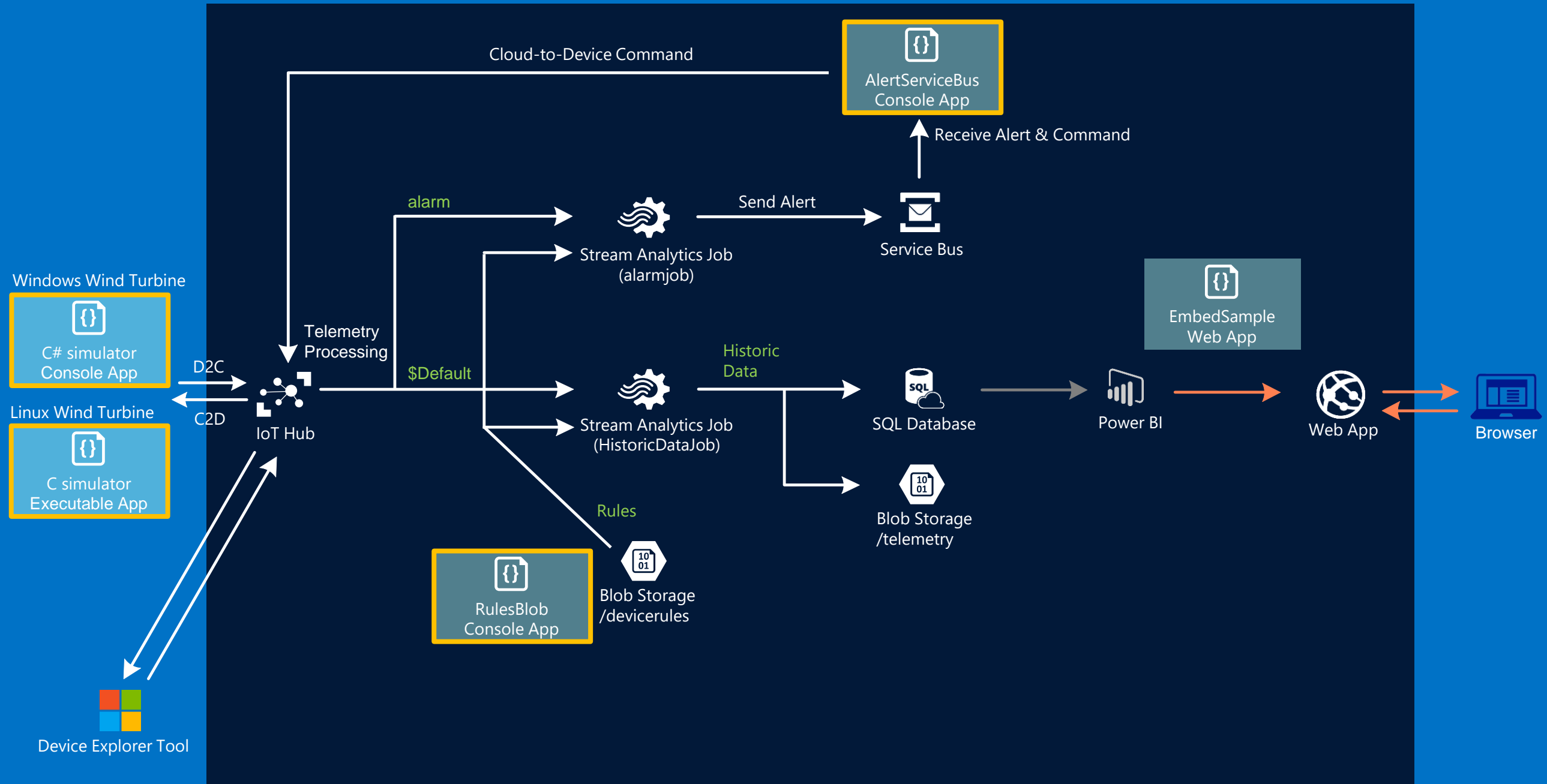
HOL 8 – Web App



Code & Modules



Code & Modules



Developer Services



Visual Studio Team Services



Azure DevTest Labs*



VS Application Insights*



HockeyApp



Developer Tools

Management & Security



Azure Portal



Scheduler



Automation



Log Analytics



Key Vault



Security Center*

Compute



Virtual Machines



Virtual Machine Scale Sets



Cloud Services



Batch



RemoteApp



Service Fabric



Azure Container Service

Web & Mobile



Web Apps



Mobile Apps



Logic Apps*



API Apps



API Management



Notification Hubs



Mobile Engagement



Functions*

Data & Storage



SQL Database



DocumentDB



Redis Cache



Storage: Blobs, Tables, Queues, Files and Disks



StorSimple



Search



SQL Data Warehouse*



SQL Server Stretch Database*

Analytics



Data Lake Analytics*



Data Lake Store*



HDInsight



Machine Learning



Stream Analytics



Data Factory



Data Catalog



Power BI Embedded*

Internet of Things & Intelligence



Azure IoT Suite



Azure IoT Hub



Event Hubs



Cortana Intelligence Suite



Cognitive Services*

Media & CDN



Media Services



Content Delivery Network

Identity & Access Management



Azure Active Directory



B2C*



Domain Services*



Multi-Factor Authentication

Hybrid Integration



BizTalk Services



Service Bus



Backup



Site Recovery

Networking



Virtual Network



ExpressRoute



Traffic Manager



Load Balancer



Azure DNS*



VPN Gateway



Application Gateway

Let's Go

- Publish the EmbedSample Web App

(Please refer the 08-HOL-Web App file)

- Create a **Service Plan** for **Web App** in Azure Portal
- Publish the Web App

