

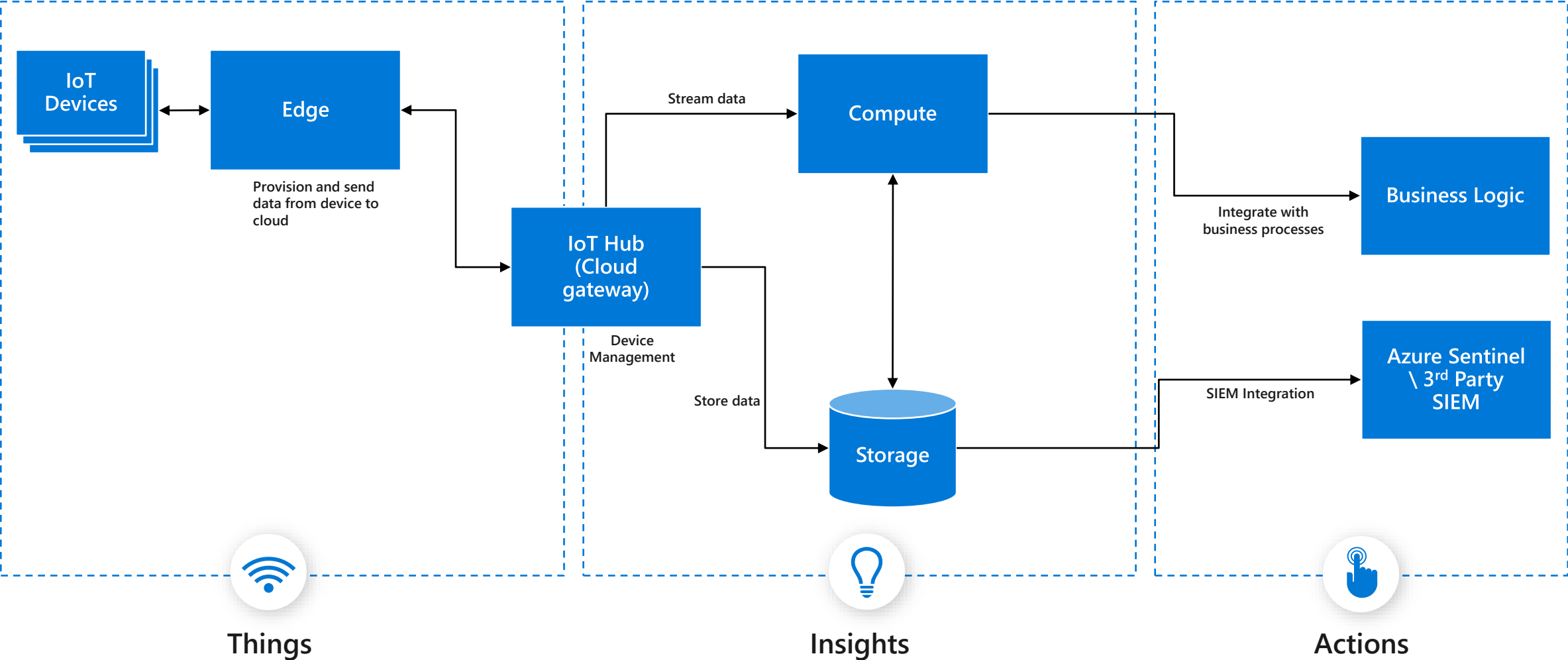


Azure IOT

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High-Level IoT Architecture



Azure IoT Hub device to cloud protocols

IoT Hub allows devices to use the following protocols for device-side communications:

Protocol	Port
MQTT	8883
MQTT over WebSockets	443
AMQP	5671
AMQP over WebSockets	443
HTTPS	443

Do not support one of the above protocols, build your own custom protocol adapter
<https://github.com/Azure/azure-iot-protocol-gateway/blob/master/README.md>

Partners

Partner Name	Technical point of contact	Customers Using
PTC		
Ignition		
Iconics		
AspenTech		

Possible deployment scenarios

Complete 3rd Party Solution



NOTE:

Avoid this design as customers don't have full control of the IoT data. This may be cheaper to start but now customers have their data spread across two clouds/tenants (IoT data in the partner cloud and non-IoT data in customer Azure cloud)

Hybrid solution 3rd party + Azure



NOTE:

This design is recommended because customer IoT data and non-IoT data are in a single cloud/tenant. This design is cheaper and flexible in the long run. Additionally since the data is centralized in one location its easy to run advanced analytics without moving data around.



Thank You