Compare different cloud services that are available for IoT applications (Amazon, Google, Apache, Microsoft etc.).

Which one would you use as a data storage in your project?

**Microsoft Azure IoT Suite** (<https://azure.microsoft.com/en-in/services/iot-hub/#overview>)

Bit more expensive compared to others. Security higher as the hub doesn’t connect to devices the devices need to connect to the hub. Of course, one can break it.

**AWS IoT Platform**(<https://aws.amazon.com/iot-core/features/>)

Need to know how to use AWS “. low” security

Device shadow feature. Can create virtual version of a device in the cloud what other devices for always online API.

**Google Cloud’s IoT Platform** (<https://cloud.google.com/solutions/iot/#section-1>)

google but also analytics

Easy to add supported devices.

**Apache Database for Internet of Things** (<http://iotdb.apache.org/>)

More “local” cloud. Same service can be used in device, environment, and cloud

levels.

But what I would pick would very much depend on the scope of the project and what was is the goal. From these options for the Apache is the most interesting one as it’s the “whole” package and not “just” the cloud. For ease of use if had google supported sensors I would use google. But if the project is already using AWS for something else like hosting the server or something then project could benefit from centralizing the to same service as its very easy to sync different AWS features together inside the ecosystem.  
If needed security and flexible processing, the “big guns” I would pick Azure platform.