## Activity: Azure Services

Research 5 of the following Azure Services and write a brief description of their main points: <https://azure.microsoft.com/en-gb/products>

* API Management
* Application Insights
* Azure Active Directory
* Azure Rights Management
* Batch
* BizTalk Services
* Data Factory
* HDInsight
* StorSimple
* Operational Insights

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| **Service 1 – APPLICATION INSIGHTS** |
| An Application Performance Management tool provided by Azure Cloud that collects telemetry about an application, including web server telemetry, web page telemetry and other performance counters. The data can be useful for analysis of an application’s health, performance and usage. Location can be selected on a per-app basis when creating new Application Insights resource.  It’s a layer on top of Log Analytics aimed at application-level telemetry and uses the log data stored in Log Analytics to provide an additional bunch of features that make App Insights an Application Performance Management tool. |

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| **Service 2 – AZURE ACTIVE DIRECTORY** |
| Now known as “Microsoft Entra” is: a cloud identity and access management solution that safeguards the data of an organisation with a cloud identity and access management solution. Allows for the organisation to connect employees, customers, and partners to their apps, devices and data.  Administrators are able to manage end-user identities and access privileges, the freedom to choose which information will stay in the cloud, who can manage or use the information, which services or applications can access the information, and which [end users can have access](https://www.techtarget.com/searchwindowsserver/tip/Using-Azure-AD-conditional-access-for-tighter-security). Azure AD can help to provide single sign-on ([SSO](https://www.techtarget.com/searchsecurity/definition/single-sign-on)), so end users don't have to enter passwords multiple times to access cloud applications.  Azure AD is used by IT admins, app developers and Microsoft cloud service subscribers. |

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| **Service 3 – HDInsight** |
| Azure HDInsight is a comprehensive, managed, open-source cloud analytics service for enterprises. Azure HDInsight is a full-spectrum, managed cluster platform which simplifies running big data frameworks in large volume and velocity using Apache Spark, Apache Hive, LLAP, Apache Kafka, Apache Hadoop, and more in your Azure environment. HDInsight allows you to use open-source frameworks such as Apache Spark, Apache Hive, LLAP, Apache Kafka, and Hadoop in your Azure environment. |

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| **Service 4 - BATCH** |
| Whether you use Linux or Windows Server computing nodes, batch provides you with a consistent task scheduling and management experience while allowing you to leverage the specific characteristics of each environment. Utilise your current Windows code, such as Microsoft.NET, to do extensive computation tasks in Azure using Windows.  Azure Batch runs large-scale applications efficiently in the cloud. Schedule compute-intensive tasks and dynamically adjust resources for your solution without managing infrastructure. |

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| **Service 5 - STORSIMPLE** |
| Microsoft Azure's StorSimple hybrid cloud storage solution offers a cloud-based storage infrastructure for managing, storing, and accessing massive volumes of data. combines primary, backup, snapshot, archive and offsite storage solution into one cohesive solution. StorSimple is delivered through SSD and HDD based storage arrays that provide better performance and IOPS than tape storage. |

**Challenge: Find out any other Azure Cloud services that might benefit you or your business.**