There are basically three types of Cloud computing. Select **one** of the following Cloud computing topics below. In your writing, be sure to explain the “what,” “how,” and “why” of the selected topic. Provide a simple code or code snippet example to further illustrate your thoughts.

* Private cloud
* Public cloud
* Hybrid cloud

**“What,” “How,” and “Why” Questions**

* **What:** What are you writing about? Give the audience a brief overview of the topic by providing them with foundational information (history, background information, etc.).
* **How:** How is the information relevant? Apply personal knowledge (this can be through research or actual practiced knowledge) to build trust with the audience.
* **Why:** Justify your position and/or course of action. The audience needs proof the information you are presenting is creditable and actionable.

Essentially, there are three types of Cloud computing: private, public, and hybrid. For this discussion, I will be focusing on the hybrid cloud. A hybrid cloud combines the public and private cloud (Microsoft Azure, 2025). When growing at a high pace, Amazon outgrew its current IT environment, and a change needed to be made (Condado, 2020). Amazon Web Services was launched to handle the varying e-commerce demands, leading to the public cloud computing market (Condado, 2020). Soon after, other companies did the same. A hybrid cloud integrates the public cloud aspect of an on-site infrastructure or a private cloud into an environment (Microsoft Azure, 2025). When the hybrid cloud is established, applications, data, and workloads are merged, increasing performance (Microsoft Azure, 2025). This allows organizations to customize where workloads are run, saving money and increasing flexibility and scalability without relinquishing resource control (Microsoft Azure, 2025).

This information is immensely relevant to our studies and careers. There should be a clear host computing system in operation when working within software development. Whether this involves a private, public, or hybrid cloud should be discussed in advance to decide the best one for the particular software and business practices.

There are many notable reasons why the hybrid cloud should be implemented. According to Microsoft Azure (2025), the benefits of hybrid cloud include enhanced flexibility for running workloads, more cost efficiency, increased workload scales, improved continuity through seamless backup, improved performance, increased security and compliance, and breeds innovation.

I was not able to find any code examples of the hybrid code.

**References**

Condado, C. (2020, March 3). *A Brief History of Securing the Hybrid Cloud*. Www.cyberark.com. https://www.cyberark.com/resources/blog/a-brief-history-of-securing-the-hybrid-cloud

Microsoft Azure. (2025). *What is Hybrid Cloud Computing – Definition | Microsoft Azure*. Azure.microsoft.com. https://azure.microsoft.com/en-us/resources/cloud-computing-dictionary/what-is-hybrid-cloud-computing

**Assignment Requirements and Grading:**

* An initial post of approximately 250 words is due by **Thursday, 11:59 p.m., CST**.
* Submit your post by clicking on the assignment link above, then Create Thread. You must create a thread in order to view your peers' posts. Tip: Create your post in a Word document and then copy and paste your work into the thread.
* A minimum of three (3) responses, to the original threads of other students, of 100-200 words each are due by **Sunday, 11:59 p.m., CST**.
* This discussion board is worth **25 Points**.
* To view the rubric grading criteria, click on the following link: [Discussion Board Grading Rubric.](https://content.bellevue.edu/cst/csd/rubricdbv3.pdf)