# Nvidia bringing its Omniverse technology to Apple's Vision Pro headset

## Description

Nvidia is merging its innovative technology, known as Omniverse, with Apple's advanced Vision Pro AR/VR headset. The significant announcement was made at Nvidia's annual GTC gathering this week.

The merger aims to provide developers with a unique opportunity to access Nvidia's sophisticated **Omniverse** tools through the Vision Pro platform. Omniverse is a novel platform that allows developers to build digital copies - technically called digital twins - of objects or places. They can then observe how these twins would behave or look like in real-life scenarios.

According to Nvidia, this technical setup enables firms to construct digital replicas of complex structures such as factories. The benefit of this is that organizations can understand their workers' movements within the facility even before its actual construction.

At the GTC event, Nvidia presented an example of how a car designer could utilize a car arrangement tool through Vision Pro, and then virtually inspect the vehicle.

The integration of this technology is made possible through the use of Nvidia's **Omniverse Cloud APIs** and **Graphics Delivery Network**. Both of these components stream directly to Vision Pro via cloud-based systems.

**Rev Lebaredian**, a Vice President at Nvidia, sees great potential in this venture. He said that the Vision Pro allows enterprise customers to realize their work without any compromises. Both Nvidia and Apple are expected to reap significant benefits from this venture.

While the Vision Pro's price may seem steep for average customers, firms can invest in it more easily, making it an attractive asset. However, it remains to be seen whether this venture will significantly boost Apple's sales. If it does, it could considerably boost Apple's **bottom line**.

## Vocabulary Insights:

- **Omniverse**: A platform developed by Nvidia that enables the creation of digital twins, or virtual replicas, of real-world objects or environments for simulation and analysis.
- **Omniverse Cloud APIs**: Application Programming Interfaces provided by Nvidia that allow developers to connect and use Omniverse's capabilities through cloud computing.
- **Graphics Delivery Network**: A system that distributes graphical content over the internet efficiently, similar to a Content Delivery Network (CDN) but specifically for graphics-intensive content.
- **Rev Lebaredian**: Vice President of Simulation Technology and Omniverse Engineering at Nvidia, involved in the development and promotion of the Omniverse platform.
- **Bottom line**: A term used in finance that refers to a company's net income or earnings, indicating the financial health or profitability of the business.

# Vocabulary List:

1. **Innovative** // (adjective): Introducing new ideas original and creative in thinking.
2. **Sophisticated** // (adjective): Having a good understanding of the way people behave and/or a good knowledge of culture and fashion.
3. **Observe** // (verb): To watch carefully the way something happens or the way someone does somethingespecially in order to learn more about it.
4. **Replicas** // (noun): An exact copy of an object.
5. **Construct** // (verb): To build or make something such as a structuresystemor theory.
6. **Integrate** // (verb): To combine two or more things in order to become more effective.

# Vocabulary quizzes

**Multiple Choice  ( Select the Correct answer for each question. )**

1. Which astronomical objects are known for their extremely strong magnetic fields?

    Option: Neutron Stars
    Option: Quarks
    Option: Dinosaurs
    Option: Fossils

2. What is the opposite of normal matter in particle physics?

    Option: Innovative
    Option: Antimatter
    Option: Intelligent
    Option: Quality

3. Which term best describes someone who is widely acclaimed and honored?

    Option: Resonate
    Option: Renowned
    Option: Transparent
    Option: Given back

4. What term is used when an event or transaction is terminated before completion?

    Option: Refunded
    Option: Dinosaur
    Option: Cancellation
    Option: Construct

5. Which word describes a person who is committed and devoted to a cause or purpose?

   Option: Postponing
   Option: Dedicated
   Option: Legitimate
   Option: Construct

6. Which term best describes something beyond the ordinary or usual?

   Option: Refunded
   Option: Quality
   Option: Extraordinary
   Option: Given back

7. Which word means to watch carefully or attentively?

   Option: Integrate
   Option: Observe
   Option: Intelligent
   Option: Crests

8. Which term is used in biology to classify a group of organisms that can interbreed and produce fertile offspring?

   Option: Magnetic Field
   Option: Species
   Option: Fossil
   Option: Quality

9. Which word describes something complex intricate and advanced?

   Option: Replicas
   Option: Sophisticated
   Option: Magnetars
   Option: Legitimate

10. What quality is demonstrated by a person who is firm in purpose and resolute in achieving their goals?

    Option: Transparent
    Option: Cancellation
    Option: Given back
    Option: Determiniation

**Gap-Fill  ( Fill in the blanks with the correct word from the vocabulary list. )**

11. Companies strive to remain _____ to stay ahead of the competition.

12. The engineers are planning to _____ a new bridge over the river next year.

13. The brand is known for its exceptional _____ and reliability.

14. If you are not satisfied with your purchase you can get your money _____ .

15. The government promised to ensure _____ in its decision-making processes.

16. Due to bad weather the outdoor concert has been _____ until next week.

17. The library allows books to be _____ after the due date with a small fine.

18. The waves began to _____ as the storm approached the shore.

19. She solved the difficult puzzle with her _____ problem-solving skills.

20. The company assured customers that the product was _____ and met all safety

standards.

**Matching Sentences ( Match each definition to the correct word from the vocabulary list. )**

| |
|---|
| 21. Subatomic particles that are exchanged to "carry" the strong force between quarks. |
| 22. Preserved remains or impressions of organisms that lived in the past. |
| 23. A region around a magnetic material where magnetic forces are detected. |
| 24. Exact copies or models of something that existed in the past. |
| 25. To build or create something especially systematically and in steps. |
| 26. Material composed of antiparticles opposite to those of normal matter. |
| 27. Having the skill and creativity to introduce new methods or ideas. |
| 28. Returned to the original owner or giver. |
| 29. Extinct reptiles that lived on Earth millions of years ago. |

30. The standard of something as measured against other things of a similar kind; the degree of excellence.

# Answer

**Multiple Choice:** 1. Neutron Stars 2. Antimatter 3. Renowned 4. Cancellation 5. Dedicated 6. Extraordinary 7. Observe 8. Species 9. Sophisticated 10. Determiniation
**Gap-Fill:** 11. Innovative 12. Construct 13. Quality 14. Refunded 15. Transparency 16. Postponed 17. Given back 18. Crest 19. Intelligent 20. Legitimate
**Matching sentence:** 1. Gluons 2. Fossils 3. Magnetic Field 4. Replicas 5. Construct 6. Antimatter 7. Innovative 8. Given back 9. Dinosaur 10. Quality

## CATEGORY

1. Sci/Tech - LEVEL3

## POST TAG

1. Apple's Vision Pro headset
2. Nvidia
3. Omniverse

## Tags

1. Apple's Vision Pro headset
2. Nvidia
3. Omniverse

**Date Created**
2024/03/19
**Author**
aimeeyoung99