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## Everything you Need to Know About Avatar in Metaverse

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No doubt, at this point, you have heard that Facebook has become Meta and announced a complete Metaverse. Although it has many aspects, for many people, the most prominent point is the Metaverse avatar. Metaverse avatar is designed as a representative with customization function, which is something worth looking forward to. But what is Avatar in Metaverse and what can you do with it? You can find the answers to all this through this convenient guide I created for you. Let's see what a spaceship avatar is.



### What is Avatar?

If you have been on the Internet for some time, you must have registered multiple social media

accounts. According to different platforms, users can either upload photos for their personal data or create a 2D or 3D model for them. This is the beginning of our conversation. Simply put, “Avatar” is an online representative of users. This digital identity varies from person to person and can be static or animated.

Want more details? Consider bitmoji. Originally, these avatars were two-dimensional emoticons for users to use when talking to each other. Now they have become three-dimensional and are used as your representative in a bunch of snapchat games. Avatars are still the way many social media users copy themselves online. With avatars, you can be almost anyone you want to be.

You can shape it according to your exact situation, customize its hair style, clothing, accessories, and more. It’s possible that you already have one or two avatars and still use them today. However, “Avatar” means much more than that. You can find this by reading on.



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## What is Avatar in Metaverse?

When Metaverse was announced, one of the highlights was the new and improved Metaverse avatar. Avatars in Metaverse are essentially based on the same principles as other online avatars. The avatar in Metaverse will be the identity of a user in the whole universe. Like 2D avatars on other platforms, you will be able to create and use avatars in Metaverse.

However, a big difference here is flexibility. Some avatars are limited to one platform, while Metaverse avatars will be able to walk through different experiences of the whole Metaverse. Therefore, no matter what avatars you create and their appearance, they will be easily brought to the different virtual worlds you will visit. Then the avatar becomes your identity in space.

Another big difference is the flexibility of Metaverse avatars. In order to incorporate such a wide range of applications, meta designed its avatar to be extremely realistic. Therefore, the Metaverse avatar is not a simple facial nod to capture the movement, but copies the whole person and their body movements in order to give people a vivid feeling of real existence.

Midas is achieving this goal through artificial intelligence. The company studies body movements and then uses these studies to train a model. This causes the model to accurately predict shoulder and elbow positions based on the position of your headphones and controllers. Therefore, Metaverse avatars will lead to more accuracy and intuition.

## What Can I do With This Avatar?

As we discussed, one of the great advantages of Metaverse avatars is their use. Although there is not much specific information yet, we can say for sure that you will be able to use your Metaverse avatar in various applications and experiences. Whenever you enter another virtual environment, your avatar will enter with you and enter as you. This will apply to all supported applications and environments, and we believe it will become an expanding network of flexibility. Not only is a central avatar more attractive, but this unified process makes things easier.

For example — meta has announced that the Metaverse avatar will not only come to its own virtual experience, but also provide developers with third-party applications. Therefore, if you are a meta quest user, you can use your central avatar in different games, such as PokerStars VR, topgolf with Pro putt and epic roller coasters. In addition, support for the game is already on the way, and avatars will join synth riders and forevr bowling soon.

If you are a person who doesn't use virtual reality technology, you may think. What's the use of these Metaverse avatars for me? A good answer is that meta CEO Mark Zuckerberg recently announced that meta avatars will now be extended to Facebook, Messenger and instagram.

Therefore, if you are a person who likes to express yourself on social media, you will be able to use these avatars in feed posts and stories, and even use them as your FB personal photos. Avatars also help to extend inclusiveness to other areas. The newly released avatar will also include the option of adding cochlear implants and other hearing aids. In addition, wheelchair avatars will also appear through social media in the meta ecosystem.



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## Is Avatar Important to the Metaverse

It's definitely. The avatar in Metaverse is more than just a user created face. In essence, it has become the full expression of the user in metropolitan interstellar space. Therefore, whatever action the avatar takes is directly driven by the user himself. Therefore, in addition to playing some games, all types of other activities, including important financial activities, will also be reflected on the avatar and thus on the user. Metaverse relies on the specific principle that this user is equal to avatar, so it cannot exist without it.

## Type of Metaverse Avatar

Although there are many types and varieties of avatars, Metaverse is most likely to focus on the following aspects.



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## 1. VR Avatar

VR avatar is also mainly the avatar used by most virtual reality users at present. It allows users to see the virtual environment from the perspective of avatar. Other VR users will regard the avatar as a Limited representative of this user. Although the user will be able to see all the upper body of the VR avatar, the lower body will not exist due to the limited tracking ability. This also means that your VR avatar will imitate your hand movements, but will miss your lower limbs.

## 2.Full Body Avatar

Full body avatars are more advanced. Using full-body sensor recognition, this avatar only copies the user's hand movements, but also their body movements. Therefore, instead of using the controller as a hand, your legs will also be recognized by your helmet and can be used.

Although only available in a few VR games, full-body avatars are expected to develop and release to more experiences in the future. This is why meta will also launch its own version. However, full body tracking also requires hardware. So if you're a Quest 2 user, you'll need an extra full body tracker to make it work.



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## How Can I Make My Own Metaverse Avatar?

Although Metaverse is still in its early stages, some companies already offer the services of avatar founders. Through them, users can create a fully personalized avatar, which can not only be used to access applications and games, but also do more intuitive things. We already have an in-depth guide on this issue, so stay tuned to learn how to create your own Metaverse avatar.



# Are Other Companies Creating Avatars?

Although the Metaverse avatar must be exciting, meta is not the only company on this road. Another technology giant joining the competition is Microsoft. The company released Microsoft mesh at the end of 2021, announcing its own set of personalized 3D avatars and virtual space. Based on the same principle of realistic inclusion, users will be able to communicate with their avatars within the Microsoft team.

In addition, the company also announced its set of facial motion tracking, which will inject vitality into these avatars and mature virtual environments. Like meta, Microsoft's focus is to mix productivity in mixed reality and use these avatars in entertainment. However, only time will tell how effective these avatars are.

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