Web 3.0 is future of web concepts.

What is Web 3.0? If you look for a Web 3.0 definition you probably won’t find a clear and unique explanation. In 2006, Tim Berners Lee said, “People keep asking what Web 3.0 is. I think maybe when you’ve got an overlay of scalable vector graphics – everything rippling and folding and looking misty – on Web 2.0 and access to a semantic Web integrated across a huge space of data, you’ll have access to an unbelievable data resource…”.  
To understand this, it’s necessary to travel back in time and examine it predecessors, Web 1.0 & 2.0.

Just like the Middle Ages, the Web 1.0 wasn’t given its name until it bit the dust. The ‘World Wide Web’ as it was known, was just a set of static websites with a load of information and no interactive content. Connecting meant dialing up through rickety modems and blocking anyone in the house from using the phone. It was the web of AOL chat rooms and MSN messenger, of AltaVista and Ask Jeeves.

The memory of bleepy modems and boring interfaces has largely floated away. Faster internet speeds paved the way for interactive content, the web wasn’t about observing anymore, it was about participating. The global sharing of information spawned the age of ‘Social Media’. Youtube, Wikipedia, Flickr and Facebook gave voices to the voiceless and a means for like-minded communities to thrive.So it begs the question, the web 2.0 is great, what went wrong?  
While the Web 2.0 democratized many power structures and created new opportunities, the economic engine is largely privatized and monopolized. Facebook, Uber and AirBnB have created private networks for public infrastructure which they dominate. The Web 3.0 is the antithesis of this, it’s about multiple profit centers sharing value across an open network.

Below are 5 main features that can help us define Web 3.0:

1) Semantic Web  
The next evolution of the Web involves [the Semantic Web](http://www.expertsystem.com/what-is-the-semantic-web/). The semantic web improves web technologies in order to generate, share and connect content through search and analysis based on the ability to understand the meaning of words, rather than on keywords or numbers.

2) Artificial Intelligence  
Combining this capability with natural language processing, in Web 3.0, [computers can understand information like humans](http://www.expertsystem.com/cogito/semantic-technology/) in order to provide faster and more relevant results. They become more intelligent to satisfy the needs of users.

3) 3D Graphics  
The three dimensional design is being used extensively in websites and services in Web 3.0. Museum guides, computer games, ecommerce, geospatial contexts, etc. are all examples that use 3D graphics.

4) Connectivity  
With Web 3.0, information is more connected thanks to semantic metadata. As a result, the user experience evolves to another level of connectivity that leverages all the available information.

5) Ubiquity  
Content is accessible by multiple applications, every device is connected to the web, the services can be used everywhere.

These features bring us closer to a Web 3.0 definition. For the most part, it’s already a reality today (for example the semantic web and artificial intelligence)

Like any emerging technology is still being refined. For access to the [decentralized web](https://medium.com/@matteozago/web-2-0-is-broken-its-time-for-a-new-paradigm-shift-2a4b1fc2ff60" \t "_blank), people will only need a seed. This will be a single asset which enables the interaction with dApps and other services. Individuals will still use a web browser to access the internet, and visually it will be Web 2.0 user-friendly.

Just as the Web 2.0 didn’t automatically extinguish Web 1.0 (still gathering dust around some parts of the internet), the move to 3.0 will take time and integration with existing online systems. Web 3.0 is an revolution in motion, we are past the point of no return.

<https://medium.com/@matteozago/why-the-web-3-0-matters-and-you-should-know-about-it-a5851d63c949>

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