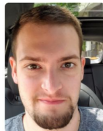


About Us



Idó Tanne

Hey There! I am a Third Year student here at N2IT. I'm currently studying Information Technology with a specialization in Web Applications. At N2IT I am a part of two organizations. The first organization is the N2IT Sports Team. I am the Events Director, Game Manager for Microsoft, and a player on the D2 Valorant team. The second organization is the N2IT Learning Community were I occupy the role of Peer-Mentor and behind the scenes, I am on the Media Committee were I manage the Learning Community Discord. I hope you enjoy our site and hopefully learn a thing or two about cloud technology!

Cindy Gonzalez

Hei! I am a student at N2IT. I am currently in my first semester and I am majoring in Human-Computer Interaction. I am very interested in cognitive design and will hopefully be able to pursue this specialization in the upcoming years. I have always loved art and I am a very creative person and I am very excited about being able to implement my passion in the technology field. I am a full-time student and I also tutor middle schoolers at Phillips Academy. I hope you enjoy this site and learn a lot as you click through the pages.



Our Site

We have researched about multiple topics in technology and we have arranged the information into multiple pages so you can enjoy it, and learn from it in the best way possible. Here you will find information about the cloud, virtualization and containerization techniques. The most relevant technologies being used in today's world, and even a tutorial on how to set up docker. We hope that you make the most of the information found here and we invite you to click through the pages to start learning.

CONTACT US

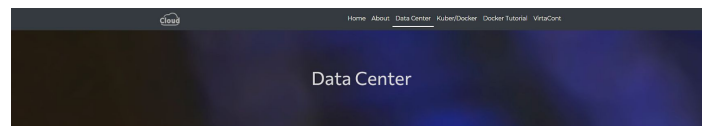
WE WILL BE HAPPY TO WORK WITH YOU AND ANSWER YOUR QUESTIONS



WONDALEZAMINE



WONDALEZAMINE



WHAT ARE DATA CENTERS?

Data Centers are buildings dedicated to hosting numerous computers which we know as servers. Servers have a plethora of capabilities, but when a company has a lot of users they need a lot of servers, this leads them to purchasing and developing data centers.

DIFFERENT TYPES OF DATA CENTERS

There are multiple types of Data Centers that are used by companies. Here you will find a full list of types and a corresponding in-depth explanation for each one of them:

<p>SERVER PLATFORM</p> <p>LEARN MORE: Server platform is the fundamental hardware an software for a system which acts as an interface between the user and the system.</p> <p>It is often used synonymously with an operating system, but usually refers to the hardware of a server.</p>	<p>APPLICATION SERVER</p> <p>EXPLANATION: An application server is a type of middleware. It acts as a bridge between the client and the database. It is responsible for processing the requests from the client and returning the results to the client.</p> <p>You'll see this when opening Google Docs. It's a service that runs on the cloud. This does not run on your computer.</p>	<p>ALLOCATED SERVER</p> <p>READ: It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p> <p>It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p>	<p>CHAT SERVER</p> <p>ABOUT IT: It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p> <p>It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p>	<p>FAX SERVER</p> <p>MORE: It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p> <p>It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p>
<p>FTP SERVER</p> <p>FIND OUT MORE: It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p> <p>It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p>	<p>GROUPWARE SERVER</p> <p>READ: It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p> <p>It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p>	<p>IRC SERVER</p> <p>DEFINITION: It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p> <p>It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p>	<p>LIST SERVER</p> <p>LEARN ABOUT IT: It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p> <p>It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p>	<p>MAIL SERVER</p> <p>EXPLANATION: It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p> <p>It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p>
<p>NEWS SERVER</p> <p>DISCOVER MORE: It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p> <p>It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p>	<p>PROXY SERVER</p> <p>SPECIFIC: It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p> <p>It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p>	<p>TELNET SERVER</p> <p>MORE: It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p> <p>It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p>	<p>VIRTUAL SERVERS</p> <p>INFO: It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p> <p>It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p>	<p>WEB SERVER</p> <p>SIMPLIFYING IT: It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p> <p>It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user. It is a service that provides a dedicated server to the user.</p>

DATA IN THE CLOUD

So, the thing is, the cloud doesn't exist. At least not how you think it does. It's not some giant space craft that hovers around earth that we communicate with in order to run our daily lives. The cloud is a concept for the servers listed above. By storing your files and running virtual machines off servers that are hosted in data centers, this is what the cloud refers to.

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Kubernetes and Docker

WHAT ARE THEY?

Docker and Kubernetes are both used for containerization. These technologies can be used dependently from one another and that is the reason many people think Docker and Kubernetes are in a competition for popularity, but in reality, many people decide to combine these two technologies to make the most out of the advantages that each has to offer.

How do they compare?

Docker is a software that you can install which allows you to run, create, and manage containers. The applications will run on an OS such that the application is isolated from the rest of the system. You can think of Docker as an application packager.



Kubernetes is more like an infrastructure where you can manage multiple containers. These containers can be run across multiple compute nodes such as bare-metal servers or virtual machines. Kubernetes enables you to automate networking, provisioning, security and scaling, which means that your application will be more scalable and will have a higher availability.

As you can see, these are different technologies and are pretty much impossible to compare since each one serves a different function.

How do we use them?

Basically, when you are developing software applications you can use docker containers to build your application into an isolated system. Once these are set, you can use Kubernetes to manage your Docker containers.

As previously stated, there is no need to use Kubernetes and Docker together, but these two work very efficiently with one another. Docker, for example, offers its own orchestration platform for containers, but even Docker itself has implemented Kubernetes distributions when you install Docker desktop. Similarly, Kubernetes can be used with other containerization applications such as rkt, but as of today, Docker and Kubernetes seem to be the perfect and most popular duo.



kubernetes

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CINDY GONZALEZ



IDO TANNE

