

Why Should You Use DOK?

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Hey folks!!

In one of my previous posts I talked How data on K8s has grown and what is the future of it, but there is a key question which remains unanswered and that was Why Data on K8s has only grown so much? Or What are the unique advantages is it providing to its users due to which users are able to increase their productivity more than 2x?

The Answer is simply explained by Sylvain Kalache in DoK Students Day

1. One Stack for everything:

Having one stack for everything whether it is a stateful or stateless workload really simplifies the operations and reduces complexity, workload and most important reduces chances of an operation to fail and due to this a team can focus its energy on the main Engineering Challenge (main job/purpose for which they chosen K8s) thus increasing their productivity.

2. K8s Built-in Features:

K8s provides a number of built-in features which are aimed to reducing user's time and energy in doing number of Operations such as K8s provides tools for monitoring your stack, setting SSL Certificates, auto healing, auto scaling of your infrastructure etc. K8s also allows to host the user application in multiple type of environment i.e., whether it is on premise or private cloud, all this handled for free by K8s.

3. Portability:

By hosting their application to K8s users can move their applications in whichever environment they want without worrying about the weather the application infrastructure is compatible with the new environment or not and thus users can avoid being stuck in a particular environment.

4. Security & Compliance:

K8s has features that can provide same level of securities features as other public cloud services offer and Some Industries like government, telecommunication, health care, finance cannot take advantage of these public cloud services features due to their strict security and compliance standards and K8s proves to be one of the best ways to manage such organizations own infrastructure with the same modern security features.

5. Cost:

K8s saves much of the cost for companies just by implementing the above points, having one stack reduces the need to hire different teams, one team is enough, K8s built in features again reduces the cost for investing in extra tools/software and in some cases teams, and just by providing portability K8s offers its users to compare the cost, benefits, price hike, compatibility of different environment anytime and thus the user can avoid being stuck and can take a right decision and can also saves the cost.

These are the reasons why should companies use Data on K8s

There are some questions that came into my mind after Sylvain Kalache talks

1. How K8s manages to have only one stack for such a large list of operations
2. Do you think in the future as technology advances K8s might require more stacks or maybe same stack with different modules?