**Introduction**

This experiment causes disk stress on the application pod. The experiment aims to verify the resiliency of applications that share this disk resource for ephemeral or persistent storage purposes.

**Uses**

* Disk Pressure or CPU hogs is another very common and frequent scenario we find in kubernetes applications that can result in the eviction of the application replica and impact its delivery. Such scenarios that can still occur despite whatever availability aids K8s provides. These problems are generally referred to as "Noisy Neighbour" problems.
* Stressing the disk with continuous and heavy IO for example can cause degradation in reads written by other microservices that use this shared disk for example modern storage solutions for Kubernetes use the concept of storage pools out of which virtual volumes/devices are carved out. Another issue is the amount of scratch space eaten up on a node which leads to the lack of space for newer containers to get scheduled and causes a wholesale movement of all pods to other nodes.

**Impact**

The impact of Pod IO Stress chaos attack can be seen using: **kubectl top pods** command in the desired namespace.