*DevOps*

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(Tutorial – Channel Name: Logiclabstech recordings on Google Drive)

**First Published On: 24th Jun 2021**

**Last Updated On: 24th Jun 2021**

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| Configuration Management Tool | **Configuration Management Tool**  Configuration Management – System Admin who is responsible for managing the servers.  Eg. Installing OS, installing softwares (MS Office, Sophos, Browsers, etc), Configurations (configuring outlook, AD policies, permissions)  If there is a demand of installing an UBUNTU OS, admins will install the server and configure the IP, **but there is a problem**, if the demand is for 1000 servers, it will be very difficult to install everywhere one by one. Here configuration management tool comes into picture  There are two mechanisms of configuration management   1. Push Based:  * Here, a code is written in a file (Infrastructure as a Code) and is pushed across all the server, the code will have instructions of all the installation and configuration. This will do the configurations across all the 1000 servers in 10 mins. * You use this if you need complete control and centralized   Eg: Ansible, Saltstack.   1. Pull Based:  * Here, the instances check by connecting to the server if there are any new versions for the software, and if difference is found, the software is updated. * Here, advantage is if new instances are added, it will automatically sync the configurations and update itself.   Eg: Chef, Puppet |