Hello Team,

Prior to the arrival of your team, the process of installing applications was very ad hoc and mainly went through the IT team via email requests. A number of them also never made it through the IT team either.

To help us in understanding what we have in our infrastructure, we would request your team to create for us an automated solution using Ansible playbooks to list out and log to a file all installed applications for all hosts in our network. This is to facilitate subsequent investigations and removal of unnecessary applications.

The solution to be implemented shall be run from a centralized location and reach out to all available hosts remotely to pull in a list of installed applications on those hosts, including the host the Ansible playbook is running on and dumping that information into a local log file. In the log file, do also include the system for which you are currently dumping the list of installed applications from. The playbook solution shall support the variety of OS systems we have be it Linux or Windows or other OS.

Once this solution is implemented, provide documentation with pictures on how this solution was implemented, how it is to be run/used, as well as supply screenshots showing the solution in operation. In addition, show a screenshot snippet of the log file generated.

Provide the playbook/s and unencrypted host/configuration files with the documentation as part of your deliverable. You may include the playbook/s and host/configuration files in a ZIP file.

Malthus Tenebris

CTO