FEBRUARY 29, 2024

DevOps Classroom notes 29/Feb/2024

**Activity 4: Install tomcat (contd)**

* manual step: change permissions for all shell files

sudo sh -c 'chmod +x /opt/tomcat/bin/\*.sh'

* This can be acheived by command modules [Refer Here](https://docs.ansible.com/ansible/2.8/modules/list_of_commands_modules.html). But command modules are not idempotent i.e. they execute all the time whenever playbook is executed
* [Refer Here](https://github.com/asquarezone/AnsibleZone/commit/0ea38579ea48616eece197c2058b7d2ae543677a) for the command module implementation
* [Refer Here](https://github.com/asquarezone/AnsibleZone/commit/e2e19ad929c175d3527eca43e9bcc71c591ec7cf) for registering a variable and using that in next tasks

**Verbosity in Ansible**

* [Refer Here](https://docs.ansible.com/ansible/latest/cli/ansible-playbook.html#cmdoption-ansible-playbook-v)

**module return values**

* Every module has return values and they can be registred [Refer Here](https://docs.ansible.com/ansible/latest/playbook_guide/playbooks_variables.html#registering-variables)

**loops in ansible**

* [Refer Here](https://docs.ansible.com/ansible/latest/playbook_guide/playbooks_loops.html)

**Exercise**

* Make the playbook work for centos
* Download tomcat only if the folder /opt/tomcat/apache-tomcat-10.0.10 does not exist.

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