What are we going to see in this session?

- Returns
- Debug
- Register
- Tags

Return Values

Ansible modules normally return a data structure that can be registered into a variable or seen directly when output by Ansible program.

Some modules :

- Changed : A Boolean indicating if the task had to make changes.
- Failed : A Boolean that indicates if the task was failed or not.
- Msg: A string with a generic message relayed to the user.
- Skipped: A Module that indicated if the task is skipped or not.
- backup_file : For those modules that implement backup = no|yes.
- rc : This field contains 'return code' of cmd line utilities (shell & command)
- Stderr : Capture error output from modules like (shell & command)
- Stderr_lines : Capture the error & display it in one item per line, for modules (shell & command)
- Stdout : Capture the normal output of utilities like (shell & command)
- Stdout_lines : Capture the normal output & display it in one item per line, for modules (shell & command)

Debug – Print statement during Execution

- Using this module you can print statements during execution and also it can be useful to debug the variables or expressions without necessarily halting the playbook.

- Very much useful in conditional tasks.

- GitHub_Code [Ansible/Code/E6_debug]

Register

- The major use of register is to run a command and register the result of that command as a variable.

- In Later part of play when you execute the tasks this variables can be used there.

- GitHub_Code [Ansible/Code/E7_register]

Tags

- When your playbook is very large, it may become more useful if you can run only specific part of it rather than running everything in the playbook.

- This can be achieved using [tags] attribute for this reason.

- When you execute a playbook, you can filter tasks based on 2 kind of tags.
  - ✓ --tags
  - ✓ --skip-tags

Playbook Execution

- Run only specific tasks :
  - ✓ ansible-playbook tags.yml --tags "http" -k
  - ✓ ansible-playbook tags.yml --tags "ntp" –k

- Skip specific tasks:
  - ✓ ansible-playbook tags.yml --skip-tags "ntp" -k

- Run playbook as usual without any tags.
  - ✓ ansible-playbook tags.yml -k

- Run playbook with multiple tags specified :
  - ✓ ansible-playbook tags.yml --tags "httpd, ntp" –k

- GitHub_Code [Ansible/Code/E8_tags]

End of this topic !

Any questions?