* Parameters That Can Be Varied
  + Command Line
    - Check Mode
    - Verbosity
    - [-i]
      * Inventory file name
      * host list – can be pattern
      * @listfile
      * dynamic inventory script
      * directory with scripts
    - Playbook name [x.yml]
    - Extra vars [take precedence over all else]
      * List
      * From included file
      * Can be used to set inventory selection using variables passed to -i
  + Playbook.yml
    - Hosts [can be passed as extra vars]
    - Connection/Run Parameters [can be passed as extra vars]
    - var\_files [??[can be passed as extra vars]
    - Variables [can be passed as extra vars]
    - Roles & Role Variables & Conditionals [can use playbook/ extra vars]
  + Hosts Patterns
    - Host or hosts [,]
    - all
    - \*
    - Group
    - OR groups [:]
    - AND groups [:&]
    - ! to exclude
    - Variables [passed as extra\_vars]
      * webservers:!{{excluded}}:&{{required}}
    - Sub set of group
      * webservers[0] # == cobweb
      * webservers[-1] # == weber
      * webservers[0:1] # == webservers[0],webservers[1]
      * webservers[1:] # == webbing,weber
    - specify patterns as regular expressions, but you can. Just start the pattern with a ‘~’:
      * ~(web|db).\*\.example\.com
    - And if you want to read the list of hosts from a file, prefix the file name with ‘@’.
      * ansible-playbook site.yml --limit @retry\_hosts.txt
  + Inventory File / Hosts List
    - Inventory\_file or dynamic script
      * Host with variables and aliases
      * Group with variables
      * Group of Groups
    - Additional Variable Files
      * By host: /host\_vars/host\_name and sub dirs
      * By group: group\_vars/group\_name and sub dirs
  + Application Being Deployed
    - By playbook
    - Or by file included in extra vars
  + Site At Which Deployed
    - By hosts/groups list from file or pattern passed in extra var
      * Then will look up host\_vars & group\_vars
  + Site Configuration for which deployed – e.g. single server, test, live, etc
    - By hosts/groups list from file or pattern passed in extra var
      * Then will look up host\_vars & group\_vars
* Strategy
  + Script parameters
    - --playbook
    - --application
    - --site-and-config [will also load site specific passwords, hosts, ports and other variables]
    - --verbosity
    - --extra-vars
    - --install to run the install\_packages also
    - --skip-tags
    - --tags
  + Script decides and calls ansible\_playbook with
    - Playbook.yml [from passed --playbook]
    - **Site & app** together decide inventory file and app\_vars & site\_vars to include
    - Strategy pass in extra-vars and parsed in playbook: if install passed, install called, else omitted
    - -vvv Verbosity [from passed --verbosity]
  + Playbook
    - Has placeholders for
      * {{strategy}}
      * Vars\_files
  + Group\_vars
    - All
      * Config.yml contains general variables or defaults for variables which will be replaced elsewhere
      * Vault.yml
        + For passwords
    - Group\_name
      * Will determine group configuration by site
  + Host\_vars
    - All
    - Host\_name
      * Used very rarely and mainly to specify connection parameters or master/secondary\_node etc.