



RedHat Certified Specialist in Advanced Automation: Ansible Best Practices exam

Study points for the course & exam

You should be able to accomplish the following grouped tasks without assistance:

- **Understand and use Git**
 - Clone a Git repository
 - Update, modify and create files in a Git repository
 - Add those modified files back into the Git repository
- **Manage inventory variables**
 - Structure host and group variables using multiple files per host or group
 - Use special variables to override the host, port, or remote user Ansible uses for a specific host
 - Set up directories containing multiple host variable files for some of your managed hosts
 - Override the name used in the inventory file with a different name or IP address
- **Manage task execution**
 - Control privilege execution
 - Run selected tasks
- **Transform data with filters and plugins**
 - Populate variables with data from external sources using lookup plugins
 - Use lookup and query functions to template data from external sources into playbooks and deployed template files
 - Implement loops using structures other than simple lists using lookup plugins and filters
 - Inspect, validate, and manipulate variables containing networking information with filters



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- **Delegate tasks**
 - Run a task for a managed host on a different host, then control whether facts gathered by that task are delegated to the managed host or the other host
- **Install Ansible Tower**
 - Perform basic configuration of Ansible Tower after configuration
- **Manage access for Ansible Tower**
 - Create Ansible Tower users and teams and make associations of one to the other
- **Manage inventories and credentials**
 - Manage advanced inventories
 - Create a dynamic inventory from an identity management server or a database server
 - Create machine credentials to access inventory hosts
 - Create a source control credential
- **Manage projects**
 - Create a job template
- **Manage job workflows**
 - Create a job workflow template
- **Work with the Ansible Tower API**
 - Write an API scriptlet to launch a job
- **Back up Ansible Tower**
 - Back up an instance of Ansible Tower

As with all Red Hat performance-based exams, configurations must persist after reboot without intervention.