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Exam : **EX417**

Title : Red Hat Certified Specialist in Microsoft Windows Automation with Ansible Exam

Version : DEMO

1.You are setting up your Ansible Automation Platform environment to manage Windows systems. Create a static inventory file named windows_hosts.ini under /home/ansible/inventories/, define a group called [win_servers] with two Windows hosts (winhost1 and winhost2) using their IP addresses. Configure connection variables such as ansible_connection, ansible_user, and ansible_password, assuming both systems support WinRM over HTTP.
A. See the Explanation.
Answer: A
Explanation:
1. Create the inventory directory if it doesn't exist: mkdir -p /home/ansible/inventories
2. Create the inventory file:
nano /home/ansible/inventories/windows_hosts.ini
3. Add the following content:
[win_servers]
winhost1 ansible_host=192.168.1.10 ansible_user=Administrator ansible_password='P@ssw0rd!' ansible_connection=winrm ansible_winrm_transport=basic ansible_port=5985
winhost2 ansible_host=192.168.1.11 ansible_user=Administrator ansible_password='P@ssw0rd!' ansible_connection=winrm ansible_winrm_transport=basic ansible_port=5985
4. Save and close the file. Ansible will now be able to use this inventory to manage Windows hosts.

2.You need to verify connectivity to the Windows hosts defined in your static inventory file using the win_ping module. Describe the command you would run and explain what a successful response looks like.
A. See the Explanation.
Answer: A
Explanation:
1. Run the ansible ad-hoc command:
ansible win_servers -i /home/ansible/inventories/windows_hosts.ini -m win_ping
2. Ansible will return:
winhost1 | SUCCESS => {"ping": "pong"}
winhost2 | SUCCESS => {"ping": "pong"}
3. This confirms successful WinRM communication from the control node to the Windows hosts.

3.You've received a requirement to switch from static to dynamic inventories using a script or plugin for Microsoft Azure. Describe the steps to set up Azure as a dynamic inventory source in Ansible.
A. See the Explanation.
Answer: A
Explanation:
1. Install the Azure inventory plugin: pip install ansible[azure]
2. Create a configuration file:
mkdir -p /home/ansible/inventories
nano /home/ansible/inventories/azure_rm.yml
3. Add:
plugin: azure_rm
include_vm_resource_groups:

- myResourceGroup auth_source: auto
4. Test with:
ansible-inventory -i /home/ansible/inventories/azure_rm.yml --list
5. The Azure VMs will now be dynamically discovered and used as inventory.

4.You need to configure a Windows Server 2019 system to be managed by Ansible using WinRM. Explain how to configure WinRM and the firewall on the Windows host.
A. See the Explanation.
Answer: A
Explanation:
1. Log into the Windows machine.
2. Open PowerShell as Administrator and run:
winrm quickconfig
winrm set winrm/config/service @{AllowUnencrypted="true"} winrm set winrm/config/service/auth @{Basic="true"}
Set-NetFirewallRule -Name "WINRM-HTTP-In-TCP-PUBLIC" -RemoteAddress Any
3. Enable the WinRM service:
Set-Service -Name WinRM -StartupType Automatic
Start-Service -Name WinRM

5.You need to verify that the WinRM port (5985) is open on a remote Windows host from your Ansible control node. Describe how to test this using telnet or nc.
A. See the Explanation.
Answer: A
Explanation:
1. Use telnet:
telnet 192.168.1.10 5985
or nc:
nc -zv 192.168.1.10 5985
2. If successful, it confirms WinRM port is open and accessible.