CONFIGURATION GUIDES › INSTALL, START & UPDATE

Deploying the agent on Windows using an Ansible script

Applicare 9.2 · Updated September 13, 2024 · singleagent, windows · **Pending technical review**

Ensure that Ansible is installed before proceeding with the steps below.

If Ansible is not installed, follow the steps in this link - Installing Ansible on Windows via Ubuntu

Step 1: On the machine where the agent will be deployed, open **PowerShell** in administrator mode and execute the below command one by one.

```text
Enable-PSRemoting -Force
reg query HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System /v
LocalAccountTokenFilterPolicy
```

Open port **5985** on the Machine where the agent will be deployed.

Step 2: On the machine where **Ansible** is running, Create a file named **host.yml** with the content below.

```xml
[win]
<Machine_IP>

[win:vars]
ansible_user=<UserName>
ansible_password=<Password>
ansible_connection=winrm
ansible_winrm_transport=ntlm
ansible_winrm_scheme=http
ansible_winrm_server_cert_validation=ignore
ansible_shell_type=cmd
ansible_port=5985
ansible_winrm_read_timeout_sec=300
ansible_winrm_operation_timeout_sec=150
```

Update the values in the file as specified below.

<Machine_IP> = The machine_IP that wants to deploy the agent

<**UserName>** = Machine Username (Ensure the account has administrative privileges on the Windows machine.)

<Password> = Machine Password

Step 3: On the machine where **Ansible** is running, Create a file named **Agent_deploy.yml** with the following content.

```powershell
- name: Create Directory on Windows
  hosts: win
  gather_facts: no
  tasks:
    - name: Change to the specific directory
      win_shell: cd C:\
      args:
        chdir: C:\

    - name: Execute PowerShell command in the specific directory
      win_shell: |
        # Your PowerShell command here

$env:PROTOCOL='CONTROLLER_PROTOCOL';$env:IP='CONTROLLER_IP';$env:PORT='CONTROLLER_PORT';$Prog
ressPreference='SilentlyContinue';Invoke-WebRequest -Uri
CONTROLLER_PROTOCOL://CONTROLLER_IP:CONTROLLER_PORT/applicare/standalone?
filename=windowsagentinstall.ps1 -OutFile
$pwd\windowsagentinstall.ps1;./windowsagentinstall.ps1;
      args:
        chdir: C:\

    - name: Run the BAT file
      win_shell: |
        .\agentscripts\createAgentTask.bat
      args:
        chdir: C:\ApplicareSingleAgentWindows
      become: yes
      become_user: <UserName>
      become_method: runas

    - name: Start the MyScheduledTask task
      community.windows.win_scheduled_task:
        name: StartSingleAgent
        state: present
        folder: "\"ApplicareAgent\""
        actions:
          - path: C:\ApplicareSingleAgentWindows\StartAgent.bat  # Example action
            arguments: test.txt  # Optional arguments for the executable
```

Change the below values in the above file.

CONTROLLER_PROTOCOL -> http (or) https

CONTROLLER_IP -> Applicare Controller IP

CONTROLLER_PORT -> Applicare Controller Port

<**UserName**> = Machine Username (Ensure the account has administrative privileges on the Windows machine.)

Step 3: Navigate to the directory where the file was created and execute the below command.

```text
ansible-playbook -i host.yml Agent_deploy.yml
```

Follow these steps only if you are updating the agent.

Step 1: On the machine where **Ansible** is running, Create a file named **update_agent.yml** with the following content.

```bat
---

- name: Check Task Status on Task Scheduler
  hosts: win
  gather_facts: false
  tasks:

   - name: Run the BAT file
     win_shell: |
       .\agentupdate.bat
     args:
       chdir: C:\ApplicareSingleAgentWindows\agentscripts
     become: yes
     become_user: <UserName>
     become_method: runas
```

Update the following values in the file.

<**UserName**> = Machine Username (Ensure the account has administrative privileges on the Windows machine.)

Step 2: Run the following command from the same directory where host.yml is located.

```text
ansible-playbook -i host.yml update_agent.yml
```

Monitoring with Applicare