**Prerequisites for Ansible Automation on Windows Servers (Linux Control Node)**

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| **Prerequisite** | **Details** | **Responsibility** |
| **Ansible Version** | Ansible standard command-line version (e.g., 2.9 or later) installed on the Linux control node. | DevOps / System Admin |
| **Python** | Python 3.x installed on the Linux control node to run Ansible scripts. | DevOps / System Admin |
| **WinRM Configuration** | Configure Windows Remote Management (WinRM) on the target Windows servers to allow communication from Ansible. | Windows Admin |
| **Ansible Modules** | Ensure that Ansible modules for Windows management are available in the Ansible installation on the Linux control node. | DevOps / System Admin |
| **Firewall Changes** | Modify the Windows Firewall settings on target servers to allow incoming WinRM traffic from the Linux control node. | Windows Admin |
| **Service Account** | Set up a dedicated service account on the Windows servers for Ansible, granting necessary permissions. | Windows Admin |
| **Connectivity from TFS Server** | Allow connectivity from TFS Server to the Ansible control node over a specified port (e.g., Port XXXX). | DevOps / System Admin |
| **Connectivity from Git Server** | Enable connectivity from Git Server to the Ansible control node over desired ports. | DevOps / System Admin |

**Firewall Changes in AWS:**

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| **Rule** | **Port** | **Source** | **Responsibility** |
| Inbound Rule for WinRM (HTTP - Port 5985) | 5985 | Security Group of EC2 Linux Control Node | DevOps / System Admin |
| Inbound Rule for WinRM (HTTPS - Port 5986) | 5986 | Security Group of EC2 Linux Control Node | DevOps / System Admin |
| Inbound Rule for TFS Connectivity | XXXX | TFS Server IP/Range | DevOps / System Admin |

Please replace "Port XXXX" with the actual port number used for TFS connectivity. Ensure that the specified port is allowed for incoming traffic from the TFS Server IP/Range to the Ansible control node.

**WinRM Configuration on Target Windows Nodes:**

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| **Step** | **Command** |
| 1. Enable WinRM | winrm quickconfig -transport:http |
| 2. Enable WinRM (HTTPS - Recommended) | winrm quickconfig -transport:https |
| 3. Configure Trusted Hosts | Set-Item WSMan:\localhost\Client\TrustedHosts -Value "LinuxControlNodeIP" -Force |