Playbook Steps

1. Create a log file that will hold error and informational output from the playbook's execution.
    a. The log file's location is not important, but it should be created somewhere it is easily accessible.
    b. For informational messages, the log should also include the times when the playbook run starts and ends so that we can get a general idea of how long it will take to run a basic playbook across the enti enterprise.
2. Check that the user account `tvmscanr` and the group account `gtvmscanr` both exist. In addition, the UID/GID indicated below are the same on all servers and should also be verified. Account details:
    a. User account: `tvmscanr`, user ID: 991233
    b. Group account: `gtvmscanr`, group ID: 991233
    c. Home directory: `/home/tvmscanr`
3. **If the `tvmscanr` user does NOT exist:**
    a. **Write a message to the log file containing the server name and indicating that the user is not prese**
    b. **Halt playbook execution for the current host and move on to the next host. DO NOT continue execu**
4. Ensure that the home directory, `/home/tvmscanr`, exists and is owned by UID/GID 991233 (`tvmscanr:gtvmsc`
5. Verify the sub-directory `/home/tvmscanr/.ssh`:
    a. Path: `/home/tvmscanr/.ssh`
    b. Owner: `tvmscanr:gtvmscanr` (991233:991233)
    c. Permissions: `0700`

    If sub-directory `/home/tvmscanr/.ssh` does not exist, create it, modify ownership, and set appropriate permi
6. Copy the customized `authorized_keys` file to the `/home/tvmscanr/.ssh` sub-directory:
    a. File name: `authorized_keys` (file text included in Appendix A of this document).
    b. File ownership: `tvmscanr:gtvmscanr` (991233:991233).
    c. File permissions: `0600`
7. Verify that the sudo command is available, default location on Red Hat systems is `/bin/sudo`.
8. **If sudo is NOT installed:**
    a. **Write a message to the log file containing the server name and indicating that sudo is not installed.**
    b. **Continue executing the playbook. We want to ensure that the `/etc/sudoers.d/99_tvmscanr` file is present when sudo is installed on the server at a later date.**
9. Check for the directory `/etc/sudoers.d`. If the directory doesn't exist, create it with the following details:
    a. Path: `/etc/sudoers.d`
    b. Owner: `root:root` (0:0)
    c. Permissions: `0750`
10. Copy the file `99_tvmscanr` (file text included in Appendix B of this document) to the `/etc/sudoers.d` folder wit the following details:
    a. File name: `99_tvmscanr`
    b. Full path: `/etc/sudoers.d/99_tvmscanr`
    c. Owner: `root:root` (0:0)
    d. Permissions: `0600`

Appendix B - /etc/sudoers.d/99_tvmscanr

```
#TVMSCANR_Anchor--Start    (Do Not Add local entried between Start/Stop Anchors)
#
#Settings required for TVMSCANR
Defaults:tvmscanr !requiretty
#tvmscanr ALL=(root) NOPASSWD: /bin/su *
tvmscanr ALL=(root) NOPASSWD: ALL
#
#TVMSCANR_Anchor--Stop     (Do Not Add local entried between Start/Stop Anchors)
```