

RPM Agent

Beta version

This is an initial agent rpm that allows non privileged users to run the agent. Some features might not work as expected.

Installation

- Set SELinux to permissive
- Run `rpm -Uvh rpagent_standalone.X.rpm`
- A new unprivileged user and group `rpuser:restorepoint` will be created and will be the owner of restorepoint installation under `/var/restorepoint`

Running rpagent_standalone

- Before running you need to setup the configuration. You can choose to keep it under `/var/restorepoint/agentconf.json` or, if you prefer, store it in any other directory
- Follow the default config given in `agentconf.min.json` and store it under `agentconf.json`

```
1 {
2   "SpoolDir": "/var/restorepoint/spool",
3   "BackupDir": "/var/restorepoint/backups",
4   "BinDir": "/var/restorepoint/bin",
5   "PluginDir": "/var/restorepoint/plugins",
6   "CertsDir": "/var/restorepoint/certs",
7   "ConfDir": "/var/restorepoint/bin",
8   "MasterAddress": "HOST",
9   "MasterPort": "",
10  "Password": "PASSWORD",
11  "ChangedAdmin": 0,
12  "SecondaryAddress": "",
13  "PushDevices": "",
14  "DisableTFTP": false,
15  "DisableFTP": false,
16  "Rootless": true,
17  "RPPath": "/var/restorepoint",
18  "SocketPath": "/var/restorepoint/socket",
19  "DisableBinUpdates": true
20 }
```

- Replace the HOST and PASSWORD (one-time password) to connect the agent for the first time
- Keep the remaining configurations as is
- A new service was created for `rpagent`. Run `systemctl enable rpagent` and `systemctl start rpagent`
- The agent's logs will be stored under `/var/log/rpagent`. Feel free to tweak the agent service to show the logs directly in journalctl. The service is stored under `/usr/lib/systemd/system/rpagent.service`

What doesn't work:

- Data encryption (WIP)

Optional Configurations

Device back-connection (Beta)

- Create a user with the proper ssh access
- Add the following configs to agentconf.json

```
1 "BackConnectionUser": "",  
2 "BackConnectionPassword": ""
```

- This user must have **restorepoint** group to be able to access the **spool** directory
- **Note: Back-connection was only tested for ssh/scp protocol**

Configurable Master SSH Port

To use a port other than 22 when connecting to the master, add the following config to **agentconf.json**

```
1 "MasterSSHPort": ""
```

Troubleshoot

Problems connecting the agent:

- If you, for some reason, didn't correctly configure SELinux before trying to connect the agent to the master, delete the contents of the folder `/var/restorepoint/certs`, recreate the agent on restorepoint, and setup the new password again on `/var/restorepoint/bin/agentconf.json` and delete the auto-generate port (if exists)