

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 the 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/bin/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  "NATAddress": "",
11  "Password": "PASSWORD",
12  "ChangedAdmin": 0,
13  "SecondaryAddress": "",
14  "PushDevices": "",
15  "DisableTFTP": false,
16  "DisableFTP": false,
17  "RPPath": "/var/restorepoint"
18 }
```

- 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 the following:

```
1 systemctl enable rpagent
2 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`.

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**

Initial master SSH connection port

To use a port other than 22 when performing initial SSH connection to the master, add the following config to `agentconf.json` :

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

The port must be outside of system ports range (> 1023).

Back connection NAT

If needed, agent can have NAT address set for back connection which devices managed by the agent will use, unless they have NAT address set in the Restorepoint. To set the agent's NAT address, update the following config value in `agentconf.json` :

```
1 "NATAddress": ""
```

What doesn't work

- Data encryption (WIP)

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 in Restorepoint, and setup the new password again on `/var/restorepoint/bin/agentconf.json` and delete the auto-generate port (if exists).