
Pistia install and usage guide

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2
3
4         dBBBBBb  dBP.dBBBBP  dBBBBBBP dBP dBBBBBb
5             dB'      BP                BB
6         dBBBBP' dBP  'BBBBb   dBP  dBP  dBP BB
7         dBP    dBP      dBP   dBP  dBP  dBP BB
8         dBP    dBP  dBBBBP'  dBP  dBP  dBBBBBB
9         1.0.0
10
11 Usage:
12   pistia run [flags]
13
14 Flags:
15   --aripuana-flush-interval duration      Interval between flushes
16     to aripuana (default 30s)
17   --aripuana-url string                   Aripuana url
18   --debounce-update-interval duration     Interval between status
19     updates to kwanza (default 10s)
20   --debug                                 Enable debug interfaces (
21     expvars and pprof)
22   --heartbeat duration                    Interval between connected
23     -and-alive heartbeats to kwanza (default 2m0s)
24   -h, --help                              help for run
25   --install                               Install pistia as a
26     service
27   --kwanza-reconnect-interval duration    Interval between reconnect
28     attempts to kwanza (default 5s)
29   --machine string                         Name of machine to use
30     when selecting which desktops to connect to. Default is
31     current machine name (if left blank)
32   --machine-only                           Only maintain connections
33     to desktops on the same machine as pistia is running
34   --password string                       Kwanza password

```

```
26     --rdp-domain string           Default RDP domain to use
    when no domain is specified in the login
27     --rdp-port int             Default RDP port to use
    when no port is specified in the login (default 3389)
28     --reconnect-interval duration Interval between reconnect
    attempts to RDP servers (default 1m0s)
29     --token string              Kwanza token
30     --uninstall                 Uninstall the pistia
    service
31     --url string                Kwanza url
32     --user string               Kwanza username
33
34 Global Flags:
35     --log-level string          Log level (debug, info, warn, error, panic,
    fatal) (default "info")
36     --verbose                   Enable verbose output (debug)
```

Pistia is a tool that connects to Kwanza and maintains RDP connections to desktops. It also sends logs to Aripuana if so configured.

Normally you would run Pistia as a service on a machine that has access to the desktops you want to connect to. Pistia will then maintain connections to the desktops and keep Kwanza updated with the status of the desktops.

Requirements

- Access to create RDP connections to desktops.
- Windows 10 or Windows Server 2016 or later, OSX or Linux.
- Kwanza v3+
- Aripuana v1+ (optional for logs)

Installing PISTIA as a service

You can run the `run` command with the `--install` flag to install PISTIA as a service. You should provide the `--url`, `--token` or `--user` and `--password` flags to connect to Kwanza and `--machine-only` to only use logins for this machine. E.g.:

```
1 pistia.exe run --install --url kwanza.sirenia.io --token 038
    n09fsd0lsdkfjlskjf --machine-only
```

That will install PISTIA as a service, and you can then start and stop it using the Windows Services Manager. You can uninstall the service using the `--uninstall` flag.

Logging

You should consider using the `--aripuana-url` flag to send logs to Aripuana. That makes error logs available to help diagnose and debug issues.

Debugging

For debugging purposes, you can use the `--debug` flag to expose the `expvars` and `pprof` interfaces. You can also use the `--log-level` flag to set the log level. The default is `info`.

The `--verbose` flag will enable debug output to stdout.

Standard Deployment

In an admin Power Shell

```
1 mkdir 'C:\Program Files (x86)\Sirenia\Pistia'
2 cd 'C:\Program Files (x86)\Sirenia\Pistia'
3
4 Invoke-WebRequest https://releases.sirenia.io/pistia/pistia-v1.0.21.exe
  -OutFile pistia-v1.0.21.exe
5 cmd /c .\pistia-v1.0.21.exe run --url <host>.sirenia.cloud:8001 --user
  pistia --password XXX --machine-only --debounce-update-interval 2s
  --aripuana-url <host>.sirenia.cloud:8089 --debug --install
6
7 service eu.sirenia.pistia
8 services.msc
```

Find PISTIA - Sirenia RDP Manager in the service panel. Open Properties. Select Recovery tab. Select Restart the Service on all three drop downs Firstfailure, Second failure, and Subsequent failures. Press Apply and OK

```
1 net start eu.sirenia.pistia
2 service eu.sirenia.pistia
```