Pistia install and usage guide

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Contents

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1
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3
4            dBBBBBb   dBP.dBBBBP   dBBBBBBP dBP dBBBBBb
5               dB'      BP                              BB
6            dBBBP' dBP  'BBBBb    dBP   dBP     dBP BB
7           dBP     dBP      dBP   dBP   dBP     dBP  BB
8          dBP     dBP  dBBBBP'   dBP   dBP     dBBBBBBB
9          1.0.0
10
11  Usage:
12    pistia run [flags]
13
14  Flags:
15        --aripuana-flush-interval duration    Interval between flushes
              to aripuana (default 30s)
16        --aripuana-url string                 Aripuana url
17        --debounce-update-interval duration   Interval between status
              updates to kwanza (default 10s)
18        --debug                               Enable debug interfaces (
              expvars and pprof)
19        --heartbeat duration                  Interval between connected
              -and-alive heartbeats to kwanza (default 2m0s)
20    -h, --help                                help for run
21        --install                             Install pistia as a
              service
22        --kwanza-reconnect-interval duration  Interval between reconnect
               attempts to kwanza (default 5s)
23        --machine string                      Name of machine to use
              when selecting which desktops to connect to. Default is
              current machine name (if left blank)
24        --machine-only                        Only maintain connections
              to desktops on the same machine as pistia is running
25        --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 issues.

Debugging

For debugging purposes, you can use the `--debug` flag to expose the expvars and pprof interfaces. You can also use the `--log-lebel` 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
```