
OpenStack Configuration Discovery Documentation

Release 0.1.4

OpenStack

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Satori is a configuration discovery tool for OpenStack and OpenStack tenant hosted applications.

Contributing

Satori's code is hosted on [GitHub](#). Our development process follows the [OpenStack Gerrit](#) workflow which is much different than most projects on Github.

If you find a problem, please [file a bug](#). Feature additions and design discussions are taking place in [blueprints](#). [Reviewing code](#) is an easy way to start contributing.

Release Notes

2.1 0.1.4 (20 Mar 2014)

- Data plane discovery (logs on to machines)
- Localhost discovery
- SSH module
- Templated output
- Bug fixes

2.2 0.1.3 (18 Feb 2014)

- Bug fixes
- DNS added among other things

2.3 0.1.0 (28 Jan 2014)

- Project setup

Terminology

3.1 Opinions

Opinions are being discussed at <https://wiki.openstack.org/wiki/Satori/OpinionsProposal>.

3.2 Control Plane Discovery

Control plane discovery is the process of making API calls to management systems like OpenStack or IT asset management systems. An external management system can show relationships between resources that can further improve the discovery process. For example, a data plane discovery of a single server will reveal that a server has a storage device attached to it. Control plane discovery using an OpenStack plugin can reveal the details of the Cinder volume.

Satori can load plugins that enable these systems to be queried.

3.3 Data Plane Discovery

Data plane discovery is the process of connecting to a resource and using native tools to extract information. For example, it can provide information about the user list, installed software and processes that are running.

Satori can load plugins that enable data plane discovery.

Get Satori

Satori is distributed as a Python package. The pip command will install the latest version.

```
$ pip install satori
```

If you want to install from the latest source code, these commands will fetch the code and install it.

```
$ git clone https://github.com/stackforge/satori.git
$ cd satori
$ pip install -r requirements.txt
$ sudo python setup.py install
```

Use Satori

```
$ satori www.foo.com
Domain: foo.com
  Registered at TUCOWS DOMAINS INC.
  Expires in 475 days.
  Name servers:
    DNS1.STABLETRANSIT.COM
    DNS2.STABLETRANSIT.COM
Address:
  www.foo.com resolves to IPv4 address 4.4.4.4
Host:
  4.4.4.4 (www.foo.com) is hosted on a Nova Instance
Instance Information:
  URI: https://nova.api.somecloud.com/v2/111222/servers/d9119040-f767-414
      1-95a4-d4dbf452363a
  Name: sampleserver01.foo.com
  ID: d9119040-f767-4141-95a4-d4dbf452363a
ip-addresses:
  public:
    ::ffff:404:404
    4.4.4.4
  private:
    10.1.1.156
```

5.1 Links

- [OpenStack Wiki](#)
- [Code](#)
- [Launchpad Project](#)
- [Features](#)
- [Issues](#)

Index

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- *modindex*
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