Support Engineer Technical Test

Tasks / Questions

Domain Name System (DNS)

- Where is the domain name *snowplowanalytics.com* registered

- Where is the domain name *snowplowanalytics.com* hosted

- What is the IP address of the web server

- What company manages emails for the domain *snowplowanalytics.com*

SSL Certificate

- Who issued SSL certificate installed for https://snowplowanalytics.com?

- When does the certificate expire?

- Is the certificate valid if installed for the website https://discourse.snowplowanalytics.com? Why?

- Are the certificates installed with https://snowplowanalytics.com and https://discourse.snowplowanalytics.com the same?

Structured Query Language (SQL)

- Count all the records that have the value *"page_view"* in the field `event` of the `events` table in `atomic` schema.

- There are 2 tables which share the same field `id`. Select first 100 records from both tables, `events` and `contexts`, where the values of the field `id` match.

- Copy records for which `timestamp` field equals *"2017-10-05 00:11:54"* from `events` table into table `events_new` in `atomic` schema.

Scripting Languages

The data in JSON format is available via URI http://jsonplaceholder.typicode.com/users. Using *one* of the scripting languages below print out the list of the cities.

- bash
- Python
- Ruby
- Perl

JSON

Fix the below JSON. List each correction.

```
{
    "id": "12345",
    "type": "event",
    "name": "click",
    "12345"; {
        primary: true,
        "image":
            {
                "url": "images/0001.jpg",
                "width": 200,
                "height": 200,
            },
        "thumbnail":
            {
                "url": "images/thumbnails/0001.jpg",
                "width": 32,
                "height": 32
            },
        "root": 'acme.com'
        }
    }
}
```

Web technologies (HTML & Javascript):

```
<html>
<head>
    <title>Snowplow</title>
</head>
<body>
    <button>Click me</button>
</body>
</html>
```

- Insert the *AlertifyJS* library; it is used to generate dialogues and can be found at http://cdn.jsdelivr.net/npm/alertifyjs@1.11.0/build/alertify.min.js

- Insert CSS file hosted at http://cdn.jsdelivr.net/npm/alertifyjs@1.11.0/build/css/alertify.min.css

- The AlertifyJS library defines a simple method, `alertify.alert(message)`, where the message is a string representing the message displayed by the alert box. Add Javascript code to pop up an AlertifyJS's alert box with the message "Well done!" on the button click.