

DeviceAtlas Technical Test

DeviceAtlas provides a web service [0] that returns device/os/browser information when passed a HTTP User-Agent. Please create a web application that does the following:

- Iterates over the User-Agents provided [1] and makes a call to the DeviceAtlas web service for each
- Stores the response data in a normalised form in a database
- Provides a frontend to view the stored data filtered to show tablet devices only and sorted by operating system version (osVersion)

Any of Java, PHP or Javascript may be used. Please provide a readme with instructions on how to run the application. Use of containers, frameworks (both front / backend) and css styling is recommended to showcase best practices.

[0] URL for webservice

`https://region0.deviceatlascloud.com/v1/detect/properties?licencekey=e6ce0b9455cab0e494be4587d016c7c2&useragent=USER_AGENT`

Example:

```
% curl
"https://region0.deviceatlascloud.com/v1/detect/properties?licencekey=e6ce0b9455cab0e494be4587d016c7c2&useragent=Dalvik%2F2.1.0%20%28Linux%3B%20U%3B%20Android%2010%3B%20ACTAB1021%20Build%2FQP1A.190711.020%29"

{"properties":{"primaryHardwareType":"Tablet","osVersion":"10","vendor":"Acer","browserName":"Chrome","model":"ACTAB1021","osName":"Android","browserRenderingEngine":"Blink"}}
```

Note: this example uses cURL. If the above request was made via a web browser the hardware type would be overridden to be Desktop.

[1] User-Agents

Please use the following User-Agents in the application:

1. Mozilla/5.0 (Linux; Android 7.0; Pixel C Build/NRD90M; wv) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 Chrome/52.0.2743.98 Safari/537.36

2. Mozilla/5.0 (Linux; Android 10; MAR-LX1A) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.0.0 Mobile Safari/537.36
3. Mozilla/5.0 (iPhone; CPU iPhone OS 12_0 like Mac OS X) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/12.0 Mobile/15E148 Safari/604.1
4. Mozilla/5.0 (Linux; Android 4.4.3; KFTHWI Build/KTU84M) AppleWebKit/537.36 (KHTML, like Gecko) Silk/47.1.79 like Chrome/47.0.2526.80 Safari/537.36
5. Mozilla/5.0 (iPad; CPU OS 18_3 like Mac OS X) AppleWebKit/605.1.15 (KHTML, like Gecko) CriOS/112.0.5615.46 Mobile/15E148 Safari/604.1
6. Mozilla/5.0 (Linux; Android 12; Redmi Note 9 Pro) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.0.0 Mobile Safari/537.36
7. Mozilla/5.0 (Linux; Android 12; SM-X906C Build/QP1A.190711.020; wv) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 Chrome/80.0.3987.119 Mobile Safari/537.36
8. Dalvik/2.1.0 (Linux; U; Android 10; ACTAB1021 Build/QP1A.190711.020)
9. Mozilla/5.0 (Linux; Android 13; SM-A515U) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.0.0 Mobile Safari/537.36
10. Mozilla/5.0 (Linux; Android 5.0.2; LG-V410/V41020c Build/LRX22G) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 Chrome/34.0.1847.118 Safari/537.36