Unwired AA RESTful API

## Preface

To be able to access the Unwired AA API you need to be granted access with unique application key and application secret (referred in this document as **key** and **secret**).

Sample key and secret look like:

Key: **d1337b9e5de168859a1233995f21ce2ea1869dc29f686a079775e8a8a15ac00f**

Secret: **d9c4e8433eb3cce4fbf5b6181e3719ba**

Required request parameters are:

**app\_key** : Your assigned application key  
**timestamp**: The UNIX timestamp of the request according GMT (subtract/add your zone difference)  
**signature**: The calculated signature of the request signed with the application secret

The service authentication system is based on **HMAC-MD5** signing of all requests sent to it.  
The HMAC-MD5 signature sent with the request is calculated on the full request URL with the parameters appended as query string.

**Example:**

Resource URI: ***http://domain.com/path/to/unwiredaa/api/nodes/***

Parameters  
**id**: 1  
**app\_key**: d1337b9e5de168859a1233995f21ce2ea1869dc29f686a079775e8a8a15ac00f  
**timestamp**: 1318526808

The signing is done on the string:  
http://domain.com/path/to/unwiredaa/api/nodes/?id=1&app\_key=d1337b9e5de168859a5553995f21ce2ea1869dc29f686a079775e8a8a15ac00f&timestamp=1318526808

The actual URL of the request would be:  
http://domain.com/path/to/unwiredaa/api/nodes/?id=1&app\_key=d1337b9e5de168859a5553995f21ce2ea1869dc29f686a079775e8a8a15ac00f&timestamp=1318526808&signature=b1049397cc2225f889d0006698323b6b

## Resources

### Devices

Resource URI: ***http://domain.com/path/to/unwiredaa/api/nodes/***

Possible methods: GET, PUT, POST, DELETE

**Parameters**:

|  |  |  |
| --- | --- | --- |
| Parameter | Required/Optional | Description |
| id | Optional | Unique id of the resource |
| page | Optional | The page offset of the resource list (20 resources per page) |

Example device listing:

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<api>

<devices>

<device>

<id>2</id>

<group\_id>5</group\_id>

<name><![CDATA[Fellersbach-1]]></name>

<mac>0027222E4974</mac>

<status><![CDATA[planning]]></status>

<location>

<address><![CDATA[Schloglberg 38]]></address>

<city><![CDATA[---]]></city>

<zip>5505</zip>

<country><![CDATA[AT]]></country>

<latitude>47.382668</latitude>

<longitude>13.076805</longitude>

</location>

<online\_status>0</online\_status>

<online\_status\_changed><![CDATA[2011-09-01 01:00:00]]></online\_status\_changed>

<online\_users\_count>0</online\_users\_count>

</device>

<device>

…

</device>

<device>

…

</device>

<device>

…

</device>

</devices>

<start>0</start>

<count>20</count>

<total>311</total>

</api>

Example detail info for a specific resource:

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<api>

<device>

<id>2</id>

<group\_id>5</group\_id>

<name><![CDATA[Fellersbach-1]]></name>

<mac>0027222E4974</mac>

<status><![CDATA[planning]]></status>

<location>

<address><![CDATA[Schloglberg 38]]></address>

<city><![CDATA[---]]></city>

<zip>5505</zip>

<country><![CDATA[AT]]></country>

<latitude>47.382668</latitude>

<longitude>13.076805</longitude>

</location>

<settings>

<ssid><![CDATA[SkiAmadeWifi]]></ssid>

<activefrom>8</activefrom>

<activeto>20</activeto>

<dhcp>0</dhcp>

<ipaddress><![CDATA[10.3.13.225]]></ipaddress>

<netmask><![CDATA[255.255.254.0]]></netmask>

<gateway><![CDATA[10.3.13.254]]></gateway>

<dnsservers><![CDATA[213.153.32.129]]></dnsservers>

<bandwidthup>256</bandwidthup>

<bandwidthdown>256</bandwidthdown>

<trafficlimit>4000</trafficlimit>

<channel>11</channel>

<wifi\_enabled>1</wifi\_enabled>

<roaming>1</roaming>

</settings>

<online\_status>0</online\_status>

<online\_status\_changed><![CDATA[2011-09-01 01:00:00]]></online\_status\_changed>

<online\_users\_count>0</online\_users\_count>

</device>

</api>