User-Agent headers for Nokia devices

The user agent string is included in the header sent by a browser when it connects to a specific page, and can be used by the page/server to return a page that is better optimised for the particular device. This article describes the user-agent header for different Nokia devices/browsers.

User Agent is defined by RFC 1945 and RFC 2068. This is a sample of the string:

```
//HTTP_USER_AGENT=Mozilla/4.0 (compatible; MSIE 5.0; Windows NT; DigExt)
```

User Agent header rules

Nokia Lumia (Windows Phone)

Internet Explorer Mobile 10

- Lumia 920
  - `Mozilla/5.0 (compatible; MSIE 10.0; Windows Phone 8.0; Trident/6.0; IEMobile/10.0; ARM; Touch; NOKIA; Lumia 920)`
- Lumia 820
  - `Mozilla/5.0 (compatible; MSIE 10.0; Windows Phone 8.0; Trident/6.0; IEMobile/10.0; ARM; Touch; NOKIA; Lumia 820)`

- Alternative UA string, if desktop version is turned on from browser settings: `Mozilla/5.0 (compatible; MSIE 10.0; Windows NT 6.2; Trident/6.0; ARM; Touch; WPDesktop)`

  Note: Using IE10 Desktop Mode you can detect WP8, but not any device information such as handset model. The behaviour is similar to the UA behaviour when using desktop mode on a WP7.x handset.

Internet Explorer Mobile 9

- Lumia 900
  - `Mozilla/5.0 (compatible; MSIE 9.0; Windows Phone OS 7.5; Trident/5.0; IEMobile/9.0; NOKIA; Lumia 900)`
- Lumia 800
  - `Mozilla/5.0 (compatible; MSIE 9.0; Windows Phone OS 7.5; Trident/5.0; IEMobile/9.0; NOKIA; Lumia 800)`

- Alternative UA string, if desktop version is turned on from browser settings:
  - `Mozilla/5.0 (compatible; MSIE 9.0; Windows NT 6.1; Trident/5.0; XBLWP7; ZuneWP7)`

Series 40

Nokia Xpress Browser for Series 40

Nokia Xpress Browser for Series 40 is a proxy-based browser. The UA string for Nokia Xpress Browser is structured in a similar way to the examples below, which are for the Nokia X3-02: The phone model and the version number will reflect the current phone and browser version.

- Nokia 311
  - `Mozilla/5.0 (Series40; Nokia311/03.81; Profile/MIDP-2.1 Configuration/CLDC-1.1) Gecko/20100401 S40OviBrowser/2.2.0.0.31`
- Nokia X3-02
  - `Mozilla/5.0 (Series40; NokiaX3-02/le6.32; Profile/MIDP-2.1 Configuration/CLDC-1.1) Gecko/20100401 S40OviBrowser/2.0.2.62.10`

(C) Copyright Nokia 2014. All rights reserved.

S60 3rd Edition

OSS Browser 3.0 (Web browser) - HTML, XHTML-MP

In S60 3rd Edition this browser is not the default browser. It may be featured in the Active Standby menu bar or in the menu grid, but it will not be opened when URL is selected in another application (e.g. message).

- Original UA string on S60 3.0 Web browser:
  - `User-Agent: Mozilla/5.0 (SymbianOS/9.1; U; [en-us]) AppleWebKit/413 (KHTML, like Gecko) Safari/413`
- "Rogue" UA strings that might ship on some uncorrected 3.0 devices:
  - `User-Agent: Mozilla/5.0 (SymbianOS/9.1; U; [en]; SymbianOS/91 Series60/3.0) AppleWebkit/413 (KHTML, like Gecko) Safari/413`
  - `User-Agent: Mozilla/5.0 (SymbianOS/9.1; U; en-us) AppleWebKit/413 (KHTML, like Gecko) Safari/413 es61`
- Final UA string for newer S60 3.0 builds:
  - `User-Agent: Mozilla/5.0 (SymbianOS/9.1; U; [en]; Series60/3.0 NokiaE60/4.06.0) AppleWebKit/413 (KHTML, like Gecko) Safari/413`

Services (WAP) Browser - XHTML-MP, WML

The original S60 WAP browser is still the default browser in S60 3rd Edition, but has been renamed “Services” (in S60 2nd Edition it is called “Web”).

The Services browser User-Agent string follows the old format on most devices, but unfortunately there may be some variation

- `NokiaN73-2/3.0-630.0.2 Series60/3.0 Profile/MIDP-2.0 Configuration/CLDC-1.1`
- `NokiaN73-2/2.0626 S60/3.0 Profile/MIDP-2.0 Configuration/CLDC-1.1`
- `Mozilla/4.0 (compatible; MSIE 5.0; S60/3.0 NokiaN73-1/2.0(2.0617.0.0.7) Profile/MIDP-2.0 Configuration/CLDC-1.1)`

S60 3rd Edition Feature Pack 1

In S60 3rd Edition Feature Pack 1 the Nokia Web browser (OSS 3.1) is the only browser included. All invocation of a browser will launch this browser.

OSS Browser 3.1

The User-Agent header for the browser is:

- `Mozilla/5.0 (SymbianOS/9.2; U; Series60/3.1 NokiaXxx/1.0; Profile/MIDP-2.0 Configuration/CLDC-1.1) AppleWebKit/413 (KHTML, like Gecko) Safari/413`

S60 3rd Edition Feature Pack 2

S60 3rd Edition FP2 devices can either use OSS Browser 3.2 or Browser 7.1. Early 3.2 devices were shipped with OSS Browser 3.2, but some of them may be upgraded to Browser 7.1 via firmware update. 7.1 browser is pre-installed in the following 3.2 devices: Nokia 6710 Navigator, Nokia 6730 classic, Nokia N86, Nokia E52, Nokia E55, and Nokia E72. For Browser 7.1 user agent please see [headers for Nokia devices&action=submit#Browser 7.1 Browser 7.1].

OSS Browser 3.2

- OSS Browser 3.2 on E75
  - `Mozilla/5.0 (SymbianOS/9.3; U; Series60/3.2 NokiaE75-1/110.48.125 Profile/MIDP-2.1 Configuration/CLDC-1.1 ) AppleWebKit/413 (KHTML, like Gecko) Safari/413`

S60 5th Edition

S60 5th edition devices can either use Browser 7.0 or Browser 7.1.

Browser 7.0

Browser 7.0 is used on 5800 XpressMusic, 5530 XpressMusic and Nokia 5230.

- 7.0 Browser (Nokia 5800 XpressMusic (v21.0.025))

(C) Copyright Nokia 2014. All rights reserved.

- `Mozilla/5.0 (SymbianOS/9.4; U; Series60/5.0 Nokia5800d-1/21.0.025; Profile/MIDP-2.1 Configuration/CLDC-1.1 ) AppleWebKit/413 (KHTML, like Gecko) Safari/413`

Browser 7.1

7.1 Browser is used by N97, N97-mini and various 3.2.3 devices

- Browser 7.1 (Nokia N97 (v12.0.024))
  - `Mozilla/5.0 (SymbianOS/9.4; Series60/5.0 NokiaN97-1/12.0.024; Profile/MIDP-2.1 Configuration/CLDC-1.1; en-us) AppleWebKit/525 (KHTML, like Gecko) BrowserNG/7.1.12344`

Symbian^3

Symbian^3 devices have Browser 7.2 installed. Update to Symbian Anna will bring Browser 7.3 to these devices.

Browser 7.2

Browser 7.2 is built in browser for Symbian^3 devices.

- Browser 7.2 (Nokia N8 v13.016)
  - `Mozilla/5.0 (Symbian/3; Series60/5.2 NokiaN8-00/013.016; Profile/MIDP-2.1 Configuration/CLDC-1.1 ) AppleWebKit/525 (KHTML, like Gecko) Version/3.0 BrowserNG/7.2.8.10 3gpp-gba`

Browser 7.3

Browser 7.3 is part of Symbian Anna refresh. User agent structure is as follows.

Mozilla/5.0 (OSName/OSVersion; PlatformName/PlatformVersion DeviceModel/DeviceSoftwareVersion; Profile/MIDPVersion Configuration/ConfigurationVersion) WebEngineType/WebEngineversion (KHTML, like Gecko) BrowserName/BrowserVersion Mobile Safari/WebKitversion

- Nokia N8
  - `Mozilla/5.0 (Symbian/3; Series60/5.2 NokiaN8-00/012.002; Profile/MIDP-2.1 Configuration/CLDC-1.1 ) AppleWebKit/533.4 (KHTML, like Gecko) NokiaBrowser/7.3.0 Mobile Safari/533.4 3gpp-gba`

Browser 7.4

Browser 7.4 is part of Nokia Belle update. User agent structure is as follows.

Mozilla/5.0 (OSName/OSVersion; PlatformName/PlatformVersion DeviceModel/DeviceSoftwareVersion; Profile/MIDPVersion Configuration/ConfigurationVersion) WebEngineType/WebEngineversion (KHTML, like Gecko) BrowserName/BrowserVersion Mobile Safari/WebKitversion

- Nokia 701
  - `Mozilla/5.0 (Symbian/3; Series60/5.3 Nokia701/111.020.0307; Profile/MIDP-2.1 Configuration/CLDC-1.1 ) AppleWebKit/533.4 (KHTML, like Gecko) NokiaBrowser/7.4.1.14 Mobile Safari/533.4 3gpp-gba`

Browser 8.3

User agent structure is as follows.

Mozilla/5.0 (OSName/OSVersion; PlatformName/PlatformVersion DeviceModel/DeviceSoftwareVersion; Profile/MIDPVersion Configuration/ConfigurationVersion) WebEngineType/WebEngineversion (KHTML, like Gecko) BrowserName/BrowserVersion Mobile Safari/WebKitversion

- Nokia E7
  - `Mozilla/5.0 (Symbian/3; Series60/5.3 NokiaE7-00/111.040.1511; Profile/MIDP-2.1 Configuration/CLDC-1.1 ) AppleWebKit/535.1 (KHTML, like Gecko) NokiaBrowser/8.3.1.4 Mobile Safari/535.1`

MeeGo 1.2 Harmattan

Nokia Browser 8.5

- Nokia N9
  - `Mozilla/5.0 (MeeGo; NokiaN9) AppleWebKit/534.13 (KHTML, like Gecko) NokiaBrowser/8.5.0 Mobile Safari/534.13`

(C) Copyright Nokia 2014. All rights reserved.

List of User Agent headers

This is a list of browser user-agents for Nokia devices. For a complete list and other devices, check Zytrax.

N90: NokiaN90-1/3.0545.5.1 Series60/2.8 Profile/MIDP-2.0 Configuration/CLDC-1.1
3200: Nokia3200/1.0 (5.29) Profile/MIDP-1.0 Configuration/CLDC-1.0 UP.Link/6.3.1.13.0
N80: NokiaN80-3/1.0552.0.7Series60/3.0Profile/MIDP-2.0Configuration/CLDC-1.1
7610: Nokia7610/2.0 (5.0509.0) SymbianOS/7.0s Series60/2.1 Profile/MIDP-2.0 Configuration/CLDC-1.0
6600: Nokia6600/1.0 (5.27.0) SymbianOS/7.0s Series60/2.0 Profile/MIDP-2.0 Configuration/CLDC-1
6680: Nokia6680/1.0 (4.04.07) SymbianOS/8.0 Series60/2.6 Profile/MIDP-2.0 Configuration/CLDC-1.1
6230: Nokia6230/2.0+(04.43)+Profile/MIDP-2.0+Configuration/CLDC-1.1+UP.Link/6.3.0.0.0
6630: Nokia6630/1.0 (2.3.129) SymbianOS/8.0 Series60/2.6 Profile/MIDP-2.0 Configuration/CLDC-1.1
7600: Nokia7600/2.0 (03.01) Profile/MIDP-1.0 Configuration/CLDC-1.0 (Google WAP Proxy/1.0)
N-GAGE: NokiaN-Gage/1.0 SymbianOS/6.1 Series60/1.2 Profile/MIDP-1.0 Configuration/CLDC-1.0
5140: Nokia5140/2.0 (3.10) Profile/MIDP-2.0 Configuration/CLDC-1.1
3519i: Nokia3510i/1.0 (04.44) Profile/MIDP-1.0 Configuration/CLDC-1.0
7250i: Nokia7250i/1.0 (3.22) Profile/MIDP-1.0 Configuration/CLDC-1.0
7250: Nokia7250/1.0 (3.14) Profile/MIDP-1.0 Configuration/CLDC-1.0
6800: Nokia6800/2.0 (4.17) Profile/MIDP-1.0 Configuration/CLDC-1.0 UP.Link/5.1.2.9
3650: Nokia3650/1.0 SymbianOS/6.1 Series60/1.2 Profile/MIDP-1.0 Configuration/CLDC-1.0
8310: Nokia8310/1.0 (05.11) UP.Link/6.5.0.0.06.5.0.0.06.5.0.0.06.5.0.0.0
N900: Mozilla/5.0 (X11; U; Linux armv7l; en-GB; rv:1.9.2b6pre) Gecko/20100318 Firefox/3.5 Maemo Browser 1.7.4.7 RX-51 N900

Default browsers and custom application

- **Opera Mini 5 Beta:** `Opera/9.80 (J2ME/MIDP; Opera Mini/5.0.15650/756; U; en) Presto/2.2.0`
- **Opera Mini 8:** `Opera/8.01 (J2ME/MIDP; Opera Mini/3.0.6306/1528; en; U; ssr)`
- **Mozilla Compatible:** `Mozilla/4.1 (compatible; MSIE 5.0; Symbian OS; Nokia 6600;452) Opera 6.20 [en-US]`

Other references

Browser comparison table Web Browser for S60 versions and device support

For a somewhat outdated listing of Nokia Devices Header information go to the Nokia Developer Browser Feature Table

Some more detailed information in these sticky threads [1] [2]

Official discussion thread for Browser 7.1 [3]

Also most of the Nokia Developer device specification pages contain a link to a UAProf page (which in return contains User Agent Header)

External Links: Zytrax
User agent headers and mobile handset capability detection

(C) Copyright Nokia 2014. All rights reserved.

(C) Copyright Nokia 2014. All rights reserved.