

SETUP NANO STATION 2 AS ACCESS POINT MODE

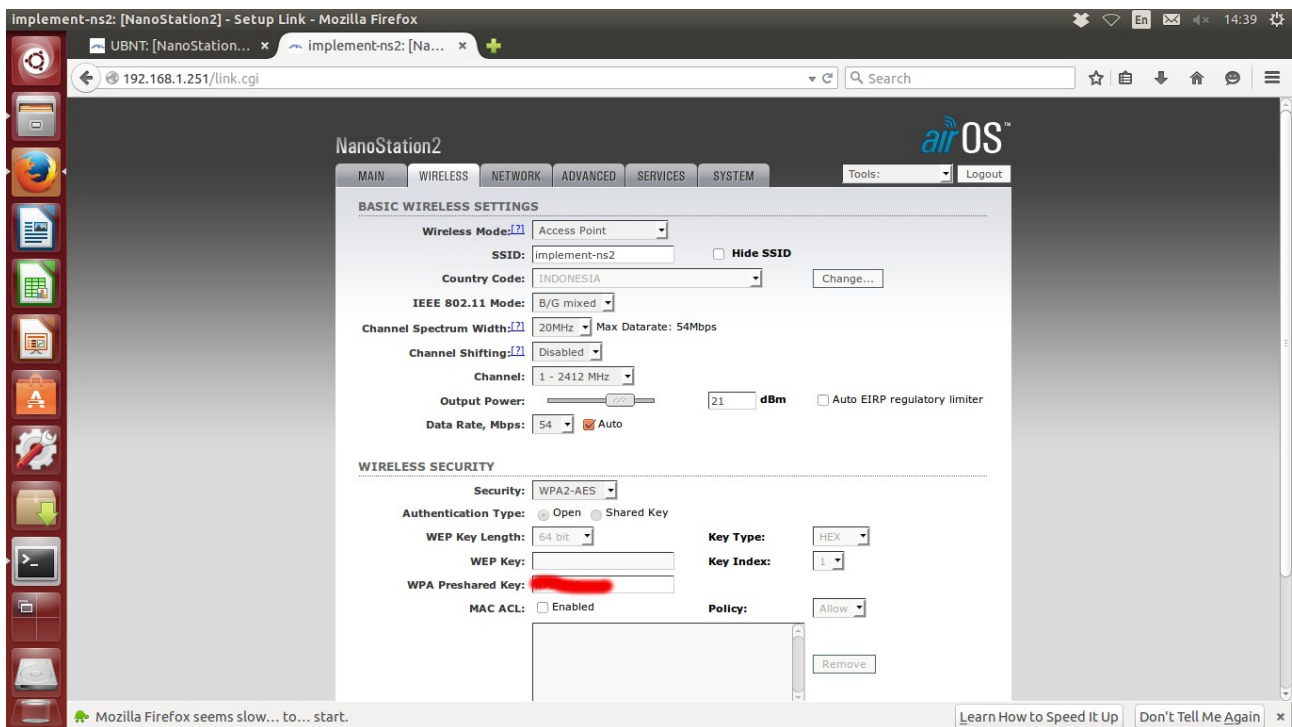
Note : Topology (Inet -- NS2 -- Clients).

NS2 LAN IP 192.168.1.251 / GW 192.168.1.88

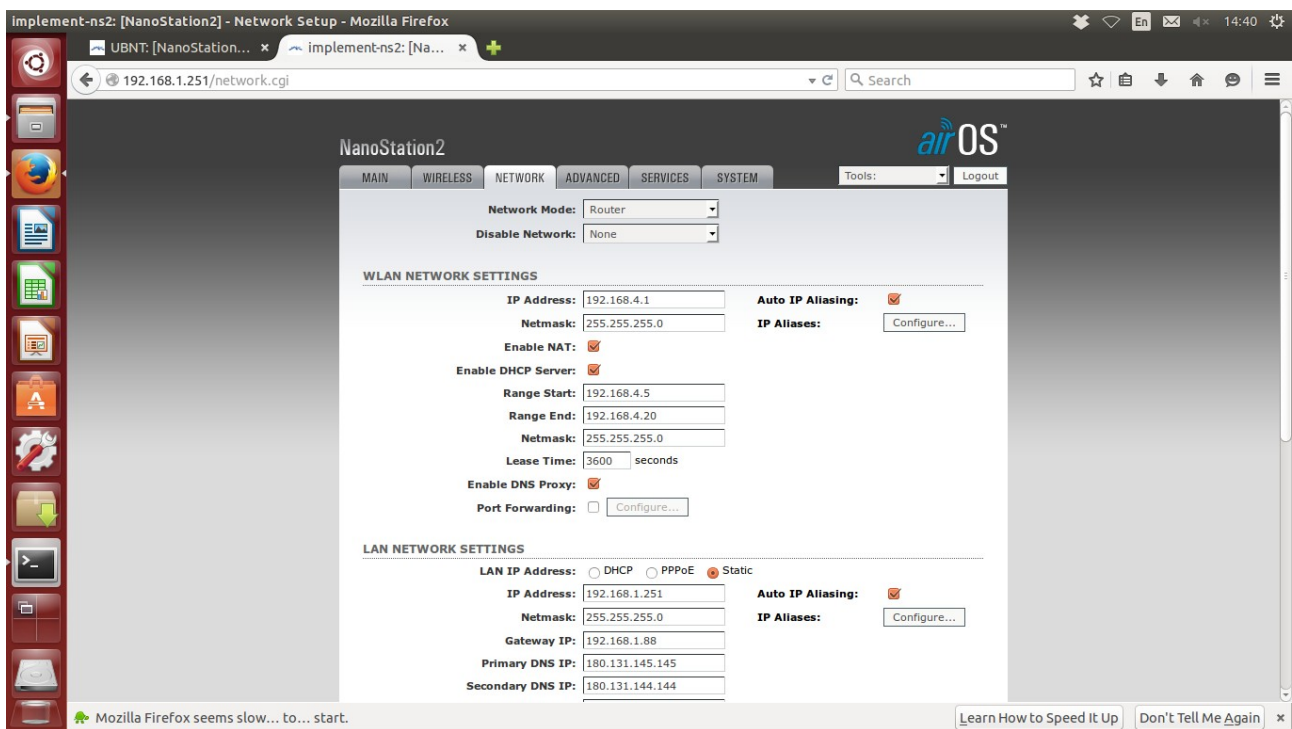
NS2 WLAN IP 192.168.4.1 / DHCP mode On

Client 192.168.4.0/24 / GW 192.168.4.1

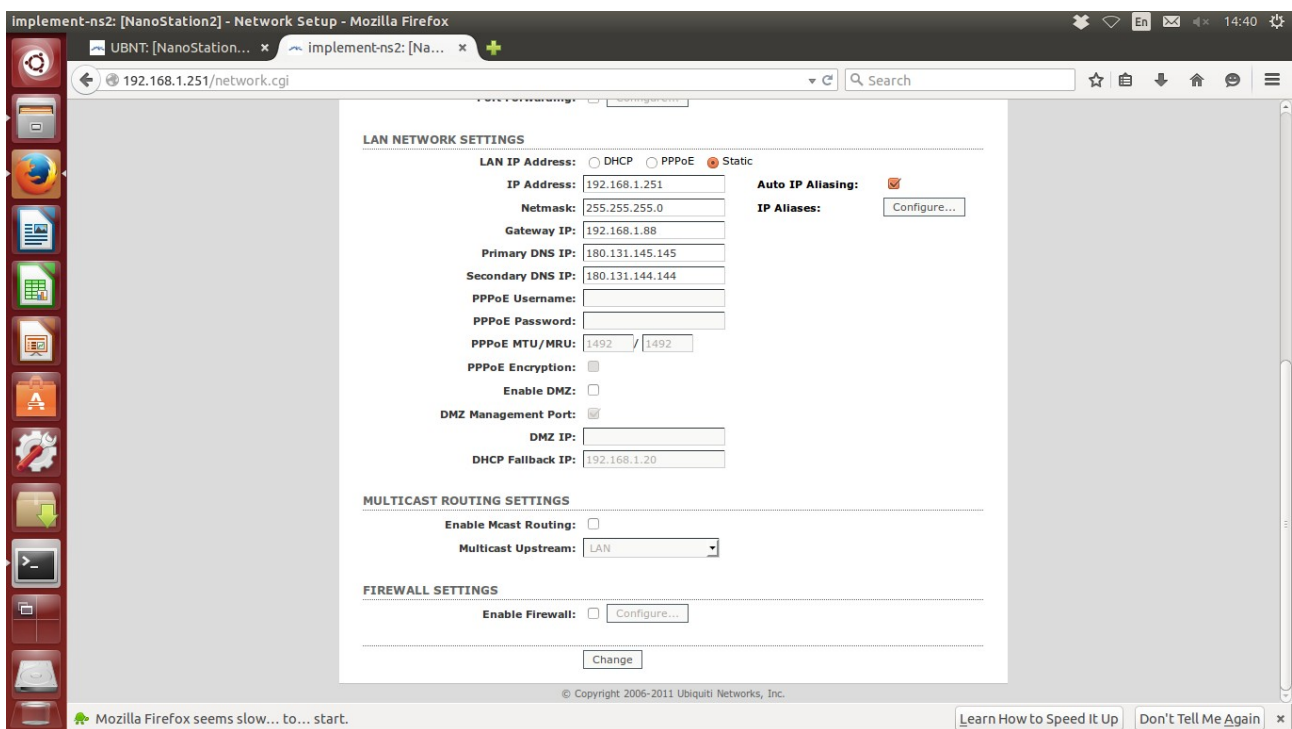
1. set wireless to AP mode, create SSID, create WPA key, and etc.



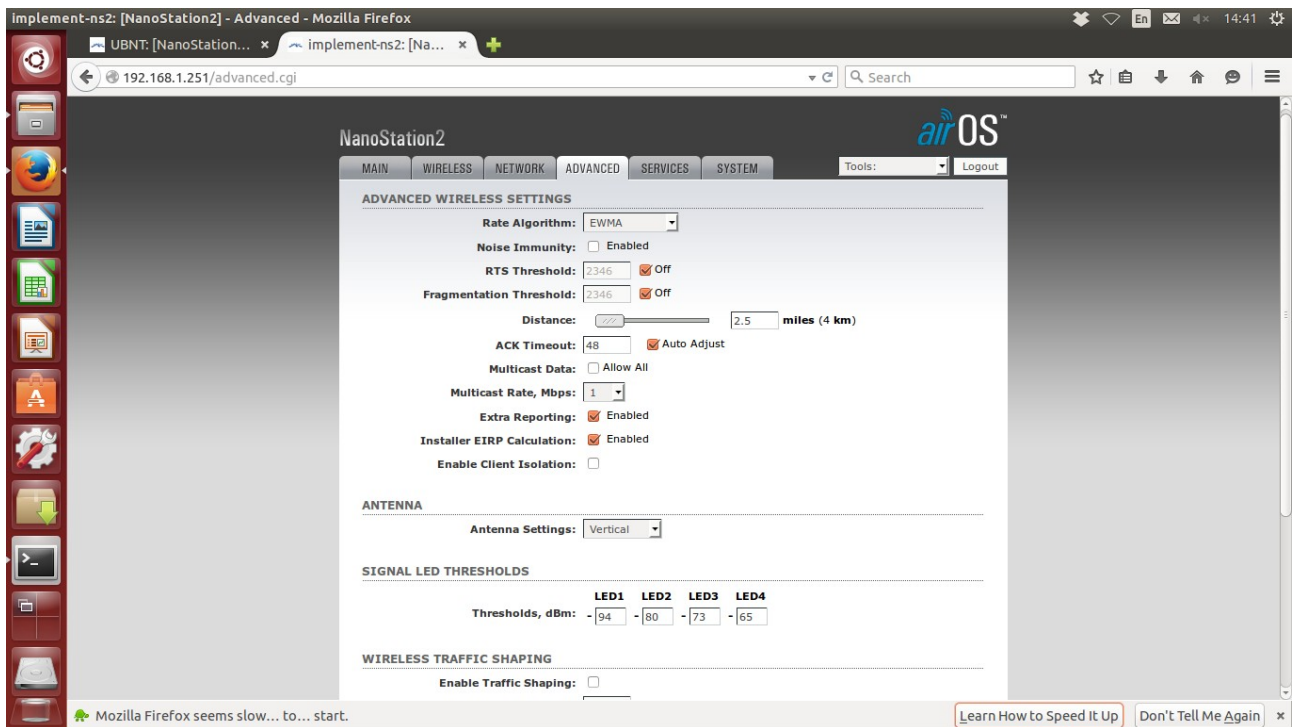
2. set network mode as router & config LAN, WLAN.



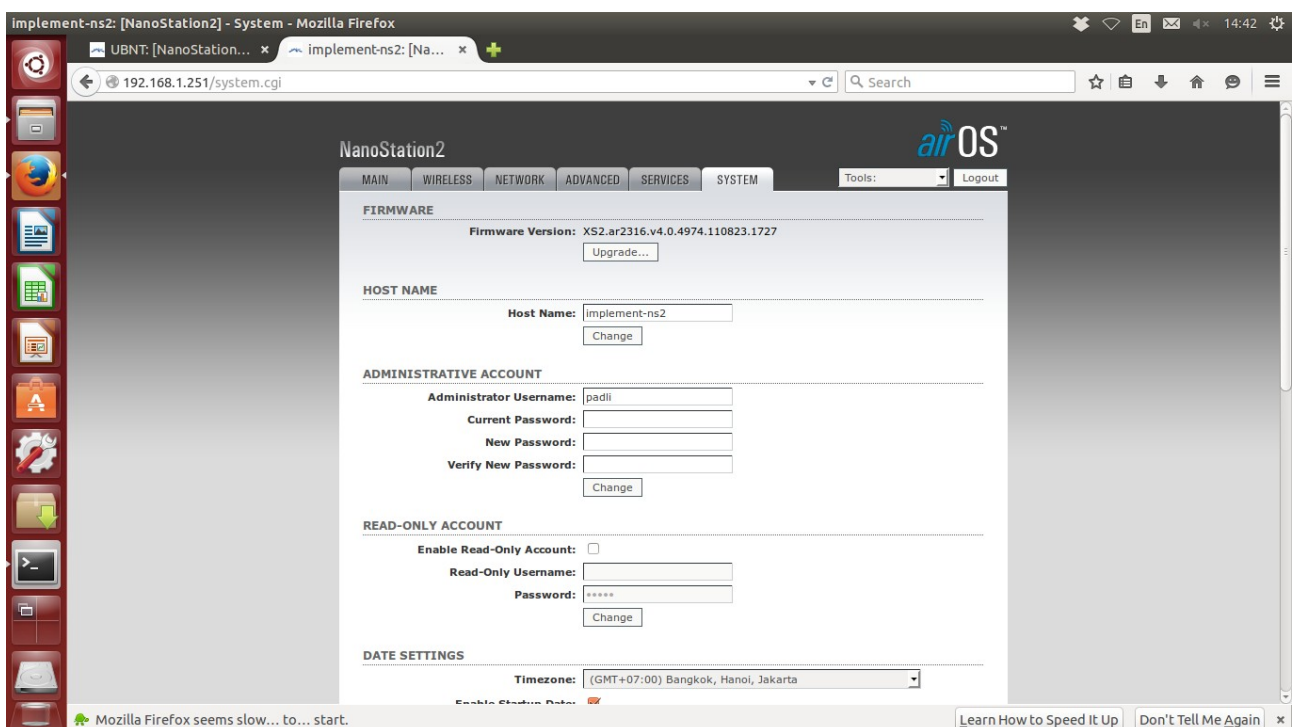
3. set network mode as router & config LAN, WLAN.



4. set advance, antenna settings (vertical / horizontal), distance etc depend on your needs.



5. for service set enable/disable depend on your needs. set system, should change your user & pwd.



6. cek status.

The screenshot shows the NanoStation2 web interface in a Mozilla Firefox browser. The address bar shows the URL `192.168.1.251/index.cgi`. The interface has a sidebar with various icons and a main content area with tabs: MAIN, WIRELESS, NETWORK, ADVANCED, SERVICES, and SYSTEM. The 'STATUS' tab is selected, displaying the following information:

Base Station SSID: implement-ns2

AirMax Quality: - %

Frequency: 2412 MHz

Antenna: Vertical

Security: WPA2

Uptime: 07:03:38

LAN Cable: ON

LAN MAC: 00:27:22:AF:75:66

WLAN MAC: 00:27:22:AE:75:66

Extra Info: - - - -

AirMax Capacity: - %

Channel: 1

Noise Floor: -96 dBm

ACK Timeout: 38

Date: 2012-12-06 07:03:32

Host Name: implement-ns2

LAN IP Address: 192.168.1.251

WLAN IP Address: 192.168.4.1

Refresh

LAN STATISTICS

	Bytes	Packets	Errors
Received:	1801494490	2097769	0
Transmitted:	117949694	979547	0

WLAN STATISTICS

	Bytes	Packets	Errors
Received:	123354509	1089942	0
Transmitted:	1745228338	1625840	0

WLAN ERRORS

Rx Invalid NWID:	20837	Tx Excessive Retries:	0
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7. tes client.

The screenshot shows a speed test window from P.T. Cyberindo Aditama... with the following results:

- Latency: 38 ms
- Speed: Download Speed 4.60 Mbps, Upload Speed 1.65 Mbps
- Jitter: 16 ms

Client: PT Telkom Indonesia

Overlaid on this is a terminal window showing network status for `padli@raisa`:

```
padli@raisa: ~  
padli@raisa: ~  
RX packets:762502 errors:0 dropped:6673 overruns:0 frame:0  
TX packets:378947 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:1000  
RX bytes:422975437 (422.9 MB) TX bytes:73016281 (73.0 MB)  
  
lo  
Link encap:Local Loopback  
inet addr:127.0.0.1 Mask:255.0.0.0  
inet6 addr: ::1/128 Scope:Host  
UP LOOPBACK RUNNING MTU:65536 Metric:1  
RX packets:546 errors:0 dropped:0 overruns:0 frame:0  
TX packets:546 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:49015 (49.0 KB) TX bytes:49015 (49.0 KB)  
  
wlan0  
Link encap:Ethernet HWaddr f4:ec:38:95:ce:33  
inet addr:192.168.4.19 Bcast:192.168.4.255 Mask:255.255.255.0  
inet6 addr: fe80::f6ec:38ff:fe95:ce33/64 Scope:Link  
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1  
RX packets:9382 errors:0 dropped:0 overruns:0 frame:0  
TX packets:8046 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:1000  
RX bytes:6041224 (6.0 MB) TX bytes:4928869 (4.9 MB)  
padli@raisa:~$
```