

Adding a New Node

Web Interface for the Guthrie Database can be accessed here:

<https://oraweb.slac.stanford.edu/apex/slacprod/f?p=123:1>

As an example we will add pinger.aup.edu.pk in the database.

FAHAD Logout

NODEDETAILS

NODEDETAILS

Reset Create

Search Display 20 Go

	Nickname	Projecttype	Sitename	Ipaddress	Fullname	Location	Country	Continent	Latitude
	AU.AARNET.BRISBANE.NET	B	aarnet.net.au	202.158.195.196	AARNET PoP Brisbane	Brisbane, Queensland	Australia	Oceania	-27.4985 153.014
	AU.AARNET.ADELAIDE.N1	B	aarnet.net.au	202.158.195.68	AARNET PoP Adelaide	Adelaide, South Australia	Australia	Oceania	-34.9233 138.5892
	AU.AARNET.CANBERRA.NET	B	aarnet.net.au	202.158.196.4	AARNET PoP Canberra	Canberra, Capital city	Australia	Oceania	-35.252 149.1343
	AU.AARNET.PERTH.NET	B	aarnet.net.au	202.158.195.4	AARNET PoP Perth	Perth, Western Australia	Australia	Oceania	-31.9559 115.8595
	AU.AARNET.HOBART.N2	B	aarnet.net.au	202.158.196.194	AARNET PoP at Hobart, Tasmania	Hobart, Tasmania	Australia	Oceania	-42.905 147.325
	MR.AFE.N1	B	afe.mr	82.151.64.110	AOIR EN FAVEUR DE L'ENVIRONNEMENT (A.F.E)	Nouakchott	Mauritania	Africa	18.08 -15.97
	TW.SINICA.EDU.N1	B	sinica.edu.tw	140.109.1.10	Academia Sinica	Taipei	Taiwan	East Asia	25.03 121.63
	GH.ACHIMOTA.EDU.N1	B	achimota.edu.gh	193.194.185.25	Achimota School	37 Royalt Castle Road , Kokomemile , Accra	Ghana	Africa	5.55 0.20
	SN.REFER.N1	B	refer.sn	213.154.05.69	Agence universitaire de la Francophonie	Dakar	Senegal	Africa	14.72 -17.26
	MK.AEC.N1	B	aec.mk	195.26.152.200	Agency for Electronic Comm, Macedonia	Skopje	Macedonia	Balkans	42.21.43
	ZM.AISHA.AC.N1	B	aisha.ac.zm	196.12.12.67	Aisha Project School	Ngombe, Lusaka	Zambia	Africa	-15.417 28.283
	AL.ALBANIAONLINE.NET.N1	B	albaniaonline.net	217.24.240.66	Albanian Parliament	Senico, Elbasan	Albania	Balkans	41.19 20.18
	TR.ANADOLU.EDU.N1	B	anadolu.edu.tr	193.140.21.18	Anadolu University	Eskisehir	Turkey	Middle East	39.77 30.5
	GA.GABONCONTACTS.N1	B	ag3l.ga	217.77.72.115	Association Gabonaise	Libreville	Gabon	Africa	0.3833 9.45
	CM.CAMNET.N1	B	camnet.cm	195.24.192.36	Cameroon Telecommunications	Yaounde	Cameroon	Africa	3.85 11.52
	KH.CAMNET.COM.N1	B	camnet.com.kh	203.223.32.17	Camnet ISP	Phnom Penh	Cambodia	S.E. Asia	11.55 104.917
	TO.REFER.ORG.N1	B	refer.org	41.207.188.10	Campus Numérique Francophone de Lomé	Lomé	Togo	Africa	6.17 1.35
	CA.CARLETON.N1	B	carleton.ca	134.117.14.27	Carleton University	Ottawa, ON	Canada	North America	45.41 -75.70
	CU.CNIC.EDU	B	cnic.edu.cu	200.55.153.68	Centro Nacional de Investigaciones Científicas	La Habana	Cuba	Latin America	21.48 -77.67
	VE.CUC.EDU.N1	B	cuc.edu.ve	201.249.245.167	Colegio Universitario de Caracas	Caracas	Venezuela	Latin America	10.5 -66.92

rows 1 - 20 of 2470

CSV data

The main page contains a Table of Nodes already present in the database. There is a search box, at the top of this table to search against all the columns.

We first search for any other entry containing the word 'aup' in it.

FAHAD Logout

NODEDETAILS

NODEDETAILS

Reset Create

Search aup Display 20 Go

	Nickname	Projecttype	Sitename	Ipaddress	Fullname	Location	Country	Continent	Latitude
	PK.AUP.EDU.N1	D	aup.edu.pk	66.96.217.181	Agricultural University Peshawar	Peshawar	Pakistan	South Asia	34.0 71.5

1 - 1

CSV data

We see there is just one other entry and it is disabled. We will now create a new entry.

On clicking the button 'Create' we see the following interface:

FAHAD Logout

NODEDETAILS > NODEDETAILS

NODEDETAILS

Cancel Delete Create

Ipaddress

Nickname

Sitename

Nickname

Fullname

Location

Country Continent

Latitude Longitude

Projecttype

Pingserver

Traceserver

Dataserver

Url

Contact

Ping Size

Comments

- We now enter the IP address of the Node.

Ipaddress 121.52.148.245

- Entering the Nodename of the host, which is pinger.aup.edu.pk

Nodename pinger.aup.edu.pk

- Next is site name. This should be aup.edu.pk

Sitename aup.edu.pk

- Nickname is way to identify domains. It is very much similar to reverse DNS lookups. e.g. In case of our Example the Nickname is PK.AUP.EDU.

Nickname PKAUP.EDU.N2

N2. The entry would then be:

- Full name follows then. Which in this case will be 'Agriculture University of Peshawar'.
- Location refers to the city(and state) or other such information that can identify the location of the host.

To enter value for Country Continent, click the small notepad icon next to field. A pop up appears with locations. Upon selecting a location, the field is set appropriately.

After you select the Country link the Country Continent Field becomes:

Country Continent Pakistan, South Asia

- To add Lat Lon, One can visit a number of websites. The most commonly used one is <http://www.satsig.net/maps/lat-long-finder.htm>

http://www.satsig.net/maps/lat-long-finder.htm

How do I find my lat and long ?
What is my latitude and longitude ?

Latitude and Longitude


Antenna Alignment Tool
Sunsight AntennAlign (AAT) GPS to measure Azimuth, Tilt, Roll, Height

Antenna Remoting Solution
Microwave/RF Fiber Links Deliver Bandwidth

Instructions to determine your latitude and longitude:

Practice first. Put your mouse cursor near your location and **double click or just drag** the map display will move so that the selected point is in the centre. The latitude and longitude of the centre of the map is then shown below the map. Or type the town, country, zip code or code in the box below, for example: chicago 35035 paris france london CM2 bangalore adelphiverpool

Centre the map around

To refine the accuracy of your site latitude and longitude, click on the plus sign  in the navigation boxes at the upper left side of the map. The scale will change so that you can accurately on your location. Repeat. Choose the Satellite or Hybrid map version to see the photo image of the ground. You may left click your mouse and drag the satellite map.

Next step: If you want satellite dish pointing, select the satellite at the lower left pull down box and click the map again (to recalculate the pointing angles)

Latitude = 34.0205, Longitude = 71.4820
Lat = 34 degrees, 1.2 minutes North
Long = 71 degrees, 28.9 minutes East

If you want to point a satellite TV dish at Satellite= 13 East orbit longitude
Beam elevation= 17.4, Azimuth= 248.2 (magnetic compass), Polarisation= 51.6

(Optional) Pointing angles to satellite orbit longitude

Blue direction line ? ☐ Off ☐ On

Ignore the satellite pointing angles until you are familiar with finding your latitude longitude location. If you want dish pointing select the satellite and click the map afterwards. Possible problems with this page: Do page refresh if you do not see 6 square navigation boxes (north/south/west/east navigation and +/- on the left and 3 rectangular boxes at the top of the map. Firefox: If you get a "Warning-Unresponsive Script", click "Continue". It is OK and will take just a few more seconds to complete loading the map. If it takes ages to load check your browser

Write down your lat/long location co-ordinates for future reference.
Try comparing with your [sat-nav GPS](#) navigator tracker receiver position ?

27th April 2006: GPS sat-nav map type display is now added. The whole map system has been upgraded to which now includes detailed [street maps for UK](#), France, Spain and Europe road maps with towns - even in Hants suits me for my cycling holidays! 6th June 2006: I have added satellite dish angle calculation. Its use is described in the [FAQ](#). Select the satellite you want to see and then doubleclick on the map.

Go to [maps](#) to see an index page with a listing of all the map pages. Tell me if you want a page made for country.

Latitude and Longitude should be separated by a space. The final result is:

Lat and long

- Project Type can be one of M, B or R. Where M refers to Monitoring Node, B to Beacon sites and R to Remote node. We enter M for our new monitoring Node.
- PingerServer is a link to the traceroute script running on the new node. In case of pinger.aup.edu.pk, it is <http://pinger.aup.edu.pk/cgi-bin/traceroute.pl?function=pinger>
- <http://pinger.aup.edu.pk/cgi-bin/traceroute.pl?function=pinger> Traceroute Server is a link to the traceroute script without function=pinger. Which will be <http://pinger.aup.edu.pk/cgi-bin/traceroute.pl>
- <http://pinger.aup.edu.pk/cgi-bin/traceroute.pl?function=pinger> DataServer refers to url for ping_data.pl script which is used by getdata.pl script running at Archive site to collect data. In case of pinger.aup.edu.pk, this will be http://pinger.aup.edu.pk/cgi-bin/ping_data.pl
- Due to implementation limitations, it is very important to place a question mark at the end of Data Server URL.**

Dataserver

- If the remote Host requires a username and password to access then, place a space after the remote url and then place the username: password string. e.g.
[http://\[*username\]:\[password\]@*vle.iu.edu.pk/cgi-bin/pinger/ping_data.pl?](http://[*username]:[password]@*vle.iu.edu.pk/cgi-bin/pinger/ping_data.pl?)
- In URL we enter the web url for the site. This will be <http://www.aup.edu.pk>.
- We then enter Contact Details for the Person in charge of this node. These details are used whenever we run into problems.
- pingsize should be kept blank if the remote site accepts both 56 and 100 byte sized packets. In case the remote site is configured to accept anyone, then we suggest selecting that value.

Ping Size

Comments

- In comments section, enter the changes, name of the owner and data time of the change or new entry. Also it is very important to indicate the change. This will help us revert any changes in the future if need be.