Accessing PingER data

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Accessing current performance data via the web

1. Go to http://www-wanmon.slac.stanford.edu/cgi-wrap/pingtable.pl
2. Choose the monitoring host and target, click on the ?. That will take you to something like: http://www.slac.stanford.edu/cgi-wrap/dbprac.pl?alias=AU.AARNET.ADELAIDE.N1&monalias=EDU.SLAC.STANFORD.N3
3. In the line "Time series plot of RTT & Loss last 7 days including today so far from EDU.SLAC.STANFORD.N3(pinger.slac.stanford.edu) to AU. AARNET.ADELAIDE.N1(adl-a-ext1.aarnet.net.au): click here, add csv file.": Click 'add csv file' to get to:
    a. http://www-wanmon.slac.stanford.edu/cgi-wrap/ping_data_plot.pl?monitor=pinger.slac.stanford.edu&sites=adl-a-ext1.aarnet.net.au&begin_day=24&begin_month=6&begin_year=2013&end_day=30&end_month=6&end_year=2013&data
    b. You can cut and paste the data into Excel or whatever.
4. If you just want the data then use http://www-wanmon.slac.stanford.edu/cgi-wrap/ping_data_plot.pl?monitor=pinger.slac.stanford.edu&sites=adl-a-ext1.aarnet.net.au&begin_day=24&begin_month=6&begin_year=2013&end_day=30&end_month=6&end_year=2013&data&data=100 and modify the sites, and date parameters to select what you want. You can use this URL from this together with wget to get the data into a script.

Accessing raw data via anonymous FTP

Some older data (2011) raw PingER data (i.e. data gathered daily from the monitoring sites, before it is analyzed and aggregated) is available by anonymous FTP via ftp get. Use your email address at the password. See the section below for the format

```
16cottrell@pinger:~$ftp ftp.slac.stanford.edu Connected to ftp.slac.stanford.edu (134.79.18.30).
220-================================================================================
220-                                NOTICE TO USERS
220-
220-This is a Federal computer system and is the property of the United States 220-Government. It is for
authorized use only. Users (authorized or
220-unauthorized) have no explicit or implicit expectation of privacy.
220-
220-Any or all uses of this system and all files on this system may be 220-intercepted, monitored, recorded,
copied, audited, inspected, and disclosed 220-to authorized site, Department of Energy, and law enforcement
personnel, as 220-well as authorized officials of other agencies, both domestic and foreign.
220-By using this system, the user consents to such interception, monitoring, 220-recording, copying, auditing,
inspection, and disclosure at the discretion 220-of authorized site or Department of Energy personnel.
220-
220-Unauthorized or improper use of this system may result in administrative 220-disciplinary action and civil
and criminal penalties.  By continuing to use 220-this system you indicate your awareness of and consent to
these terms and 220-conditions of use.  LOG OFF IMMEDIATELY if you do not agree to the 220-conditions stated in
this warning.
220-
220-Connection from 134.79.104.80 logged 220-
================================================================================
220-================================================================================
220-                                NOTICE TO USERS
220-
220-This is a Federal computer system and is the property of the United States 220-Government. It is for
authorized use only. Users (authorized or unauthorized) 220-have no explicit or implicit expectation of privacy.
220-
220-Any or all uses of this system and all files on this system may be intercepted, 220-monitored, recorded,
copied, audited, inspected, and disclosed to authorized 220-site, Department of Energy, and law enforcement
personnel, as well as 220-authorized officials of other agencies, both domestic and foreign.  By using 220-this
system, the user consents to such interception, monitoring, recording, 220-copying, auditing, inspection, and
disclosure at the discretion of authorized 220-site or Department of Energy personnel.
220-
220-Unauthorized or improper use of this system may result in administrative 220-disciplinary action and civil
and criminal penalties.  By continuing to use 220-this system you indicate your awareness of and consent to
these terms and 220-conditions of use.  LOG OFF IMMEDIATELY if you do not agree to the conditions 220-stated in
this warning.
220-
220-================================================================================
220-RHEL Client release 5.9 (Tikanga)         2.6.18-348.6.1.el5 (8x2336MHz X4150)
```

```
220-********************************************************************************
220 FTP server ready.
Name (ftp.slac.stanford.edu:cottrell): anonymous
331 Anonymous login ok, send your complete email address as your password
Password:
230-********************************************************************
230-
230-Stanford Linear Accelerator Center Anonymous FTP Server
230-
230-********************************************************************
230-
230-This server is for anonymous read access to public information 230-made available at SLAC, and provides an
anonymous incoming 'drop 230-box' directory for files that is readable only by individuals 230-who have SLAC
accounts.  If you are looking for the SLAC anonymous 230-ftp server for the dissemination of experimental data,
the server 230-name is ftp-[experiment].slac.stanford.edu (where [experiment] is 230-currently glast, babar,
iepm, lcd, e162, and e157).
230-
230-All incoming files should be placed in the incoming directory.
230-Files placed in the incoming directory may not be read back via 230-anonymous ftp.
230-
230-Any questions about this service should be sent via email to 230-unix-admin@slac.stanford.edu
230-
230-********************************************************************
230-Anonymous access granted, restrictions apply 230-Please read the file README
230-   it was last modified on Wed Nov 27 02:12:42 2002 - 3868 days ago
230-Please read the file README.LC02
230-   it was last modified on Mon Jan 28 22:48:21 2002 - 4171 days ago
230-Please read the file README.incoming
230-   it was last modified on Thu Nov 14 19:38:30 2002 - 3881 days ago
230-Please read the file README.outgoing
230-   it was last modified on Mon Mar 10 20:52:44 2003 - 3765 days ago
230-Please read the file README.tip_inbox
230    it was last modified on Fri Jul  6 22:09:28 2001 - 4377 days ago
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> dir
227 Entering Passive Mode (134,79,18,30,193,143).
150 Opening ASCII mode data connection for file list
dr-xr-xr-x   3 ftp      ftp          2048 May  9  2011 .
dr-xr-xr-x   3 ftp      ftp          2048 May  9  2011 ..
-r--r--r--   1 ftp      ftp           405 Nov 27  2002 README
-r--r--r--   1 ftp      ftp          1156 Jan 28  2002 README.LC02
-r--r--r--   1 ftp      ftp           606 Nov 14  2002 README.incoming
-r--r--r--   1 ftp      ftp          1089 Mar 10  2003 README.outgoing
-r--r--r--   1 ftp      ftp           275 Jul  6  2001 README.tip_inbox
dr-xr-xr-x   2 ftp      ftp          2048 Jun 29 14:29 admin
dr-xr-xr-x   2 ftp      ftp          2048 Jun 19  1995 doc
dr-xr-xr-x   2 ftp      ftp          2048 Apr  8 22:24 groups
dr-xr-xr-x   5 ftp      ftp          4096 Jun 27 04:20 incoming
dr-xr-xr-x   2 ftp      ftp          2048 Jun  6 15:49 outgoing
dr-xr-xr-x  36 ftp      ftp          4096 Apr 18 16:22 pgp
dr-xr-xr-x   2 ftp      ftp          2048 Jul 19  2000 preprints
dr-xr-xr-x   2 ftp      ftp          2048 Aug  9  1996 pub
-r--r--r--   1 ftp      ftp            27 Nov  6  2002 robots.txt
dr-xr-xr-x   2 ftp      ftp          2048 Mar  1  2012 software
dr-xr-xr-x   2 ftp      ftp          4096 Mar  6 18:51 users
-r--r--r--   1 ftp      ftp           943 Dec 16  2001 welcome.msg
226 Transfer complete
ftp> cd users/cottrell/
250 CWD command successful
ftp> dir
227 Entering Passive Mode (134,79,18,30,166,70).
150 Opening ASCII mode data connection for file list
dr-xr-xr-x   2 ftp      ftp          4096 Jun 30 14:02 .
dr-xr-xr-x   2 ftp      ftp          4096 Mar  6 18:51 ..
-r--r--r--   1 ftp      ftp           335 Oct  5  2001 identity.pub
-r--r--r--   1 ftp      ftp           304 Feb  9  1996 pgp.publickey
-r--r--r--   1 ftp      ftp      32801520 Jun 30 14:02 ping-2010-04.txt
-r--r--r--   1 ftp      ftp        281078 Feb 10  2011 ping-2011-02-01.txt.gz
-r--r--r--   1 ftp      ftp        277133 Feb 10  2011 ping-2011-02-02.txt.gz
-r--r--r--   1 ftp      ftp        276902 Feb 10  2011 ping-2011-02-03.txt.gz
```

```
-r--r--r--   1 ftp      ftp        274418 Feb 10  2011 ping-2011-02-04.txt.gz
-r--r--r--   1 ftp      ftp        264867 Feb 10  2011 ping-2011-02-05.txt.gz
-r--r--r--   1 ftp      ftp        265062 Feb 10  2011 ping-2011-02-06.txt.gz
-r--r--r--   1 ftp      ftp        274095 Feb 10  2011 ping-2011-02-07.txt.gz
-r--r--r--   1 ftp      ftp        278530 Feb 10  2011 ping-2011-02-08.txt.gz
-r--r--r--   1 ftp      ftp        283843 Feb 10  2011 ping-2011-02-09.txt.gz
-r--r--r--   1 ftp      ftp      50332466 Mar 16  2011 ping-2011-02.txt.gz
-r--r--r--   1 ftp      ftp         40783 Jan  2  2011 ping_data.pl
-r--r--r--   1 ftp      ftp      43909120 Jul  2  2007 pinger-ipv6-data.tar.gz
-r--r--r--   1 ftp      ftp         19452 Jan  3  2011 pinger.xml
-r--r--r--   1 ftp      ftp         38523 Feb 23  2011 traceroute.pl
-r--r--r--   1 ftp      ftp      143721020 Feb 23  2011 tracesummary.html
226 Transfer complete
ftp>ftp> get  ping-2011-02-01.txt.gz ping-2011-02-01.txt.gz
local: ping-2011-02-01.txt.gz remote: ping-2011-02-01.txt.gz
227 Entering Passive Mode (134,79,18,30,158,236).
150 Opening BINARY mode data connection for ping-2011-02-01.txt.gz (281078 bytes)
226 Transfer complete
281078 bytes received in 0.0384 secs (7311.55 Kbytes/sec)
ftp> quit
```

You will then need to gunzip the file.

```
$cp  ping-2011-02-01.txt.gz /tmp/
$gunzip /tmp/ping-2011-02-01.txt.gz
$vim /tmp/ping-2011-02-01.txt  # To look at the file.
```

Format of the PingER data

The format for the PingER data is available at:
http://www-iepm.slac.stanford.edu/pinger/tools/retrievedata.html#rawdataformat

Data Flow of the PingER data

THis is described in PingER Data Flow at SLAC