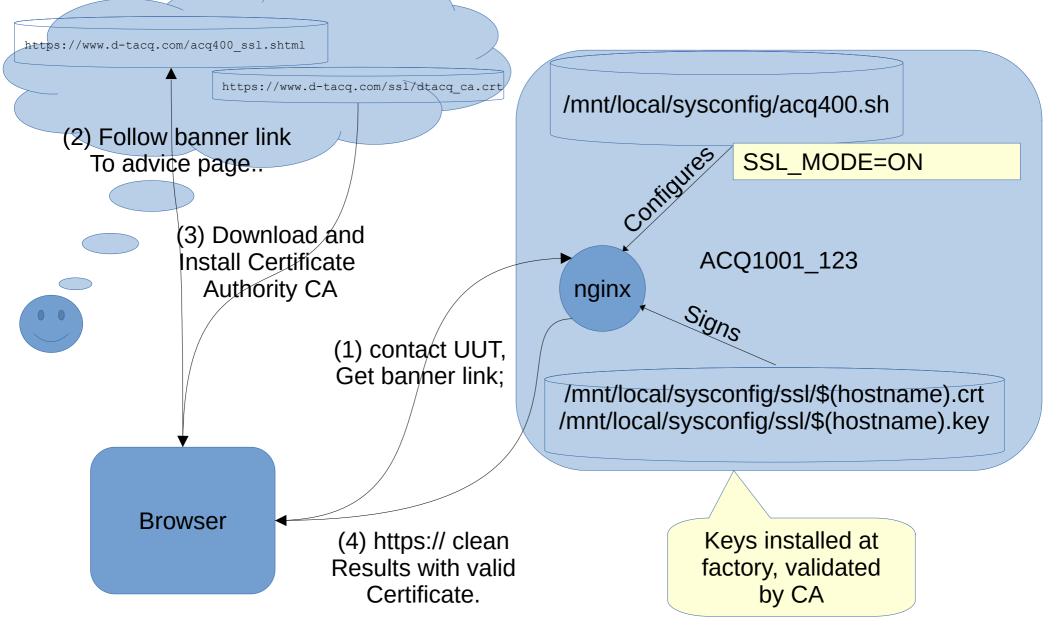
# ACQ400 Series Https

- From release 709, D-TACQ ACQ400 series product now supports https, secure SSL comunication with the embedded website.
- The feature will ship with all new units from September 2024.
- Existing users are welcome to upgrade to use the feature. Please contact D-TACQ for appropriate certificates if this is required.

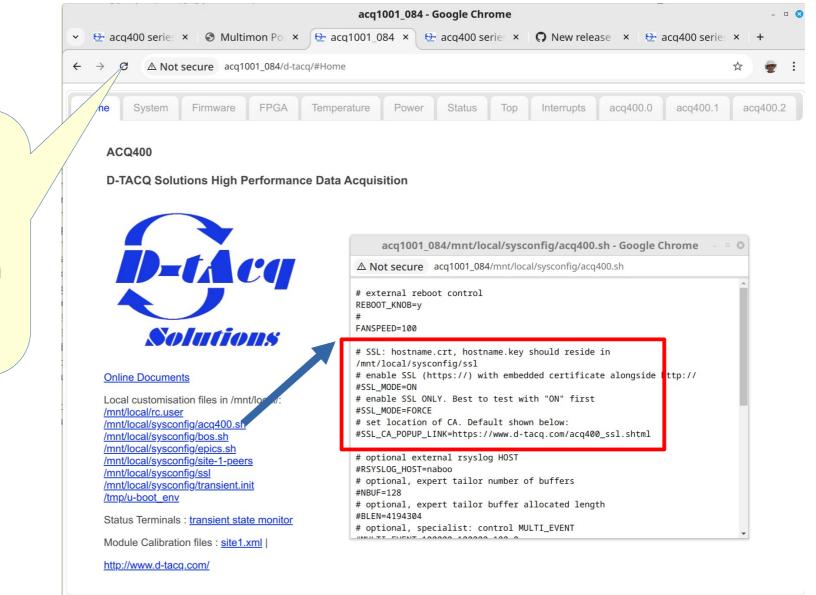


#### SSL on ACQ400: Schema





### Default: no SSL



Status Quo Ante:

http:// only, "Not Secure Warning on modern browser

acq1001 084

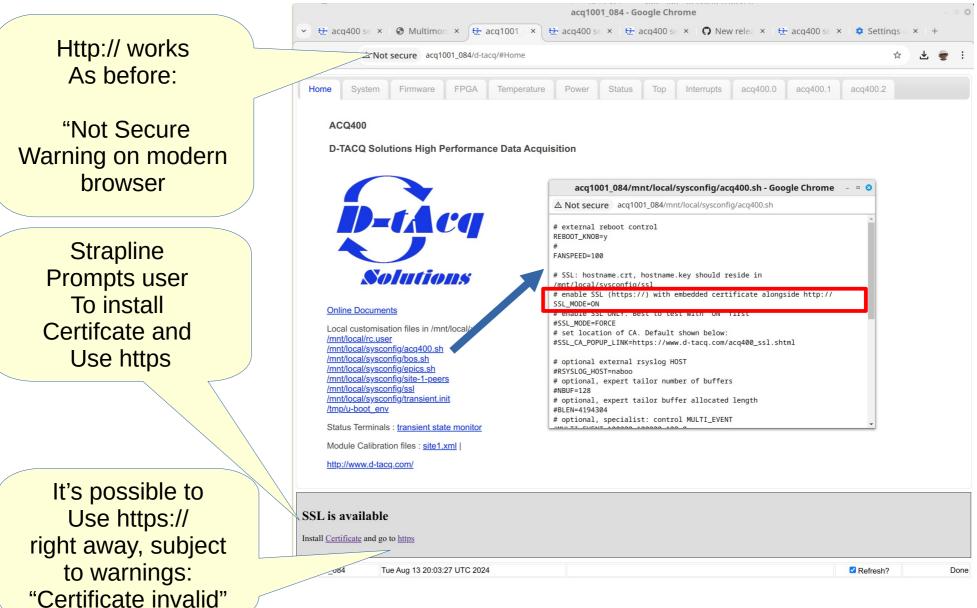
Tue Aug 13 19:58:33 UTC 2024



Done

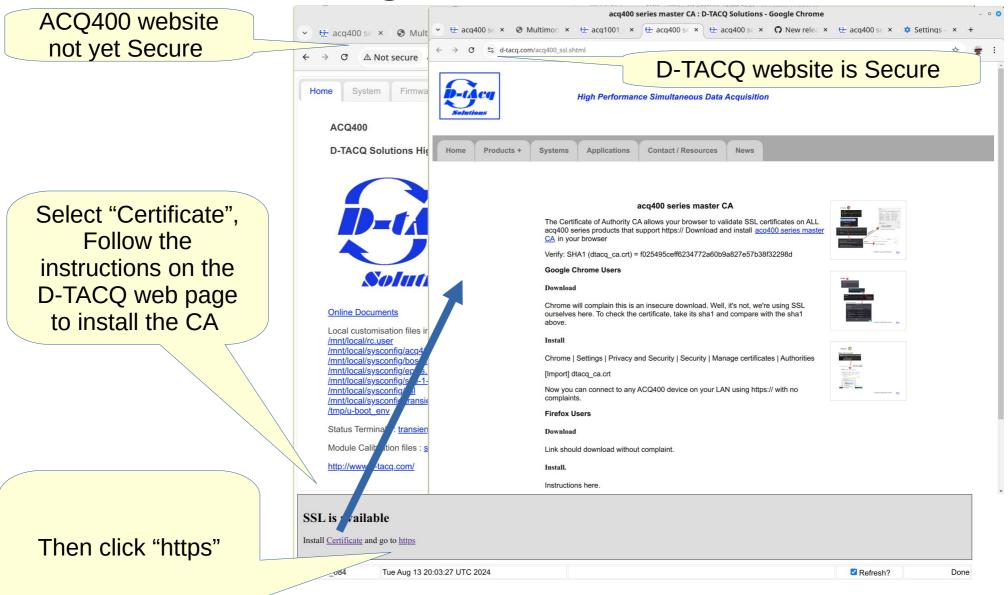
Refresh?

## Combined http:// and https://



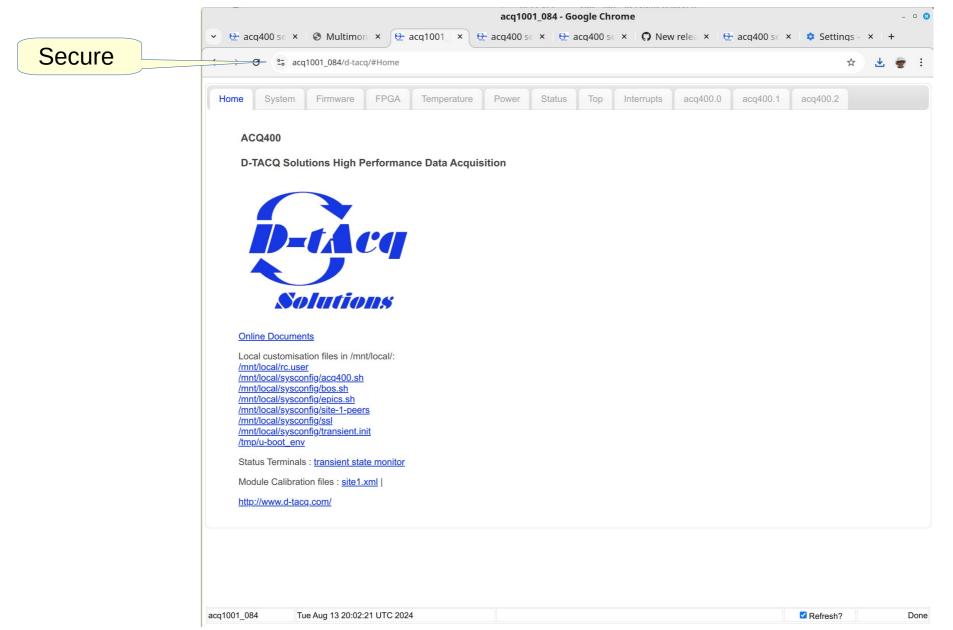


## Installing the D-TACQ CA



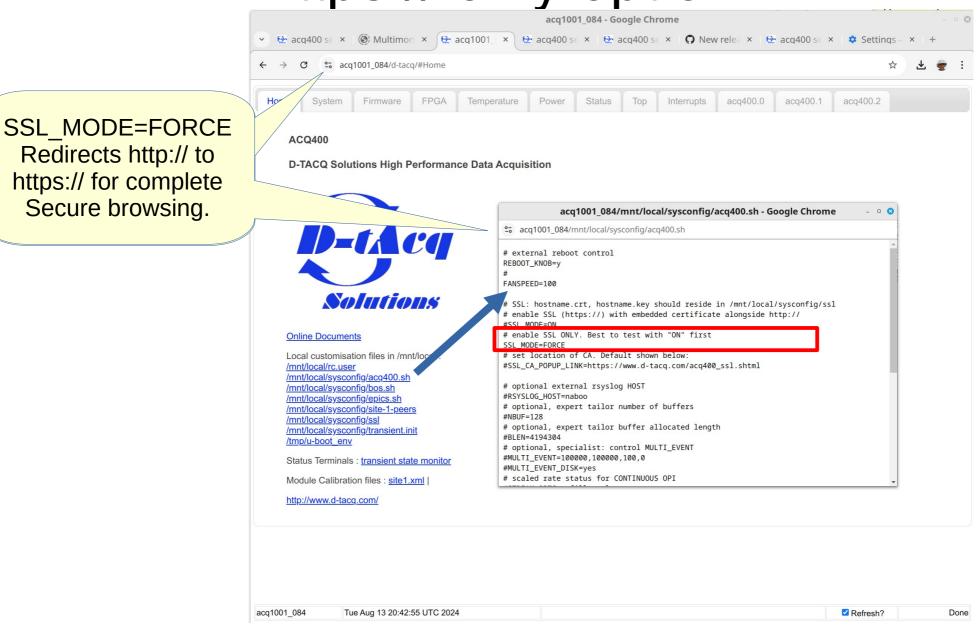


### Secure browsing with CA installed





### https:// only option:





# Options

- Feature is available for all systems from R709 on.
- New systems will ship with the necessary "sysconfig" enabling from September 2024
- Existing customers wanting to use the feature should ask D-TACQ for certificates for their uuts.
- Should the D-TACQ certificate distribution scheme not be appropriate for a site, it's completely possible for the site to use the framework to adopt their own certificates.



# Appendix Setup Variable:

- Set in /mnt/local/sysconfig/acq400.sh
  - SSL\_MODE=OFF|ON|FORCE
  - SSL\_CA\_POPT=URL
    - # possible site specific instruction page.
- What keys are held on the UUT:
  - Location: /mnt/local/sysconfig/ssl/
    - HOSTNAME.crt, HOSTNAME.key
  - The certificate supports the canonical hostnames acq1001\_123 AND acq1001-123
  - If using the "-" notation, rename the certificate to suit
  - The hostname needs to be a DNS name
    - (can be a local "file" dns eg "hosts file" in the client computer).
  - If using other hostnames, the site users will need to generate their own certificates, but the site can still make use of the same framework.

