

DOMAIN LIKE AN EGYPTIAN





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WHAT THE ?

- NOTICED VERISIGN IDN SUPPORTS EGYPTIAN HIEROGLYPHS:
 - [HTTPS://WWW.VERISIGN.COM/ASSETS/IDN/IDN-EGYPTIAN-HIEROGLYPHS.HTML](https://www.verisign.com/assets/idn/idn-egyptian-hieroglyphs.html)
- HOW COOL IS THAT? WHO WOULD NOT WANT ONE?

GREAT! LET'S DO IT!

- JUST GO TO A POPULAR REGISTRAR...
 - OH. VERISIGN CAN'T DO THIS AS A REGISTRAR. 
 - FAILED WITH SEVERAL OTHERS.
- JOAO DAMAS SUGGESTED USING THE PUNYCODE DIRECTLY
 - XN—5O7DX5D.COM
 - FAILED WITH SOME REGISTRIES, BUT...
- WAS ABLE TO REGISTER AT GANDI.NET!   !
 - NOT ON LANGUAGE LIST (COPTIC IS THOUGH)
 - NOT SURE IF GANDI'S OWN DNS SERVERS WORK...

DNS SETUP

- BIND 9 AND BUNDY AS AUTHORITATIVE DNS SERVERS
 - USING PUNYCODE VERSION TO CONFIGURE
- VERISIGN DOESN'T ALLOW EGYPTIAN GLUE
 - NS RECORDS APPEARED FINE, BUT NO A OR AAAA
 - SOLUTION: USE OUT-OF-BAILIWICK NAME SERVERS
- NOT SIGNED
 - MIGHT WORK, BUT...

WEB SETUP

- APACHE SETUP COMPLETELY NON-INTERESTING
 - AGAIN, USING PUNYCODE VERSION TO CONFIGURE
- NOT TLS-SECURED
 - I AM CHEAP
 - PUNYCODE NOT SUPPORTED BY LET'S ENCRYPT
 - NOT AT ALL SURE OTHER CA WOULD WORK

CLIENT SUPPORT

- NEED EGYPTIAN FONTS:

```
$ sudo apt install fonts-ancient-scripts
```

- BROWSERS DISPLAY PUNYCODE:

- ANTI-PHISHING TECHNIQUE

- [HTTPS://WIKI.MOZILLA.ORG/IDN_DISPLAY_ALGORITHM](https://wiki.mozilla.org/IDN_Display_Algorithm)

- FIREFOX AND CHROMIUM WORK

- LINKS ONLY WORKS IF YOU USE PUNYCODE DIRECTLY

- DID NOT TEST E-MAIL OR JABBER OR OTHER APPLICATIONS

CONCLUSION

HTTP://WWW.☪️👤.NET

