

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

HTTPS: What, Why, How

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In 5 minutes!

NATIONAL FIRM. STRONG LOCAL CONNECTIONS.

HTTPS

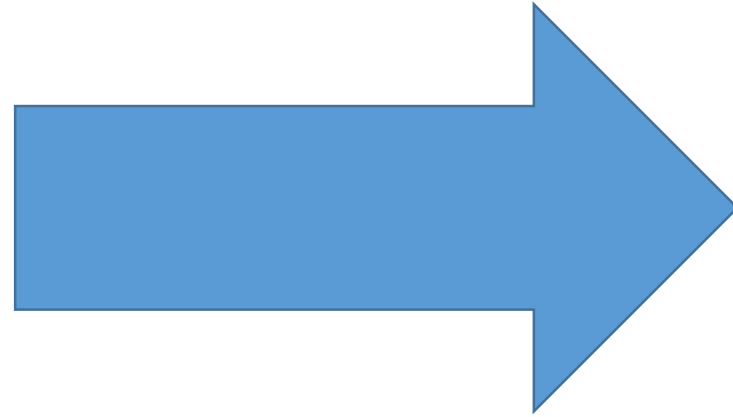
Security



Definitions



Server

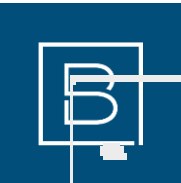


Client



Server

Client



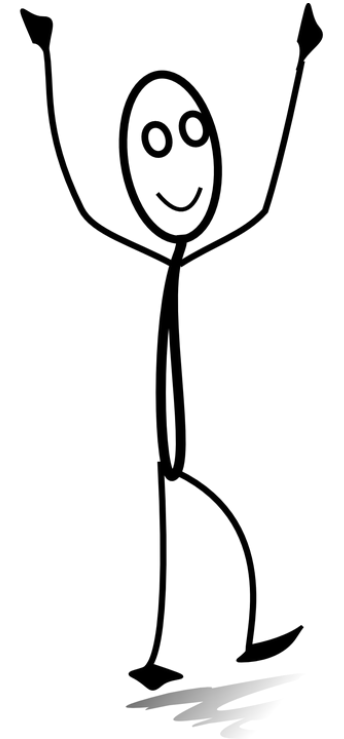
NATIC

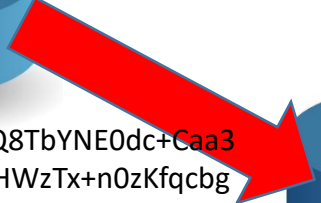
CONNECTIONS.



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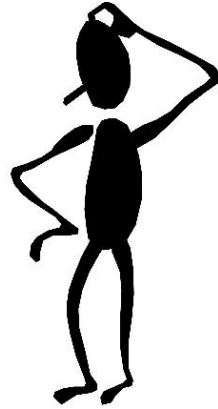




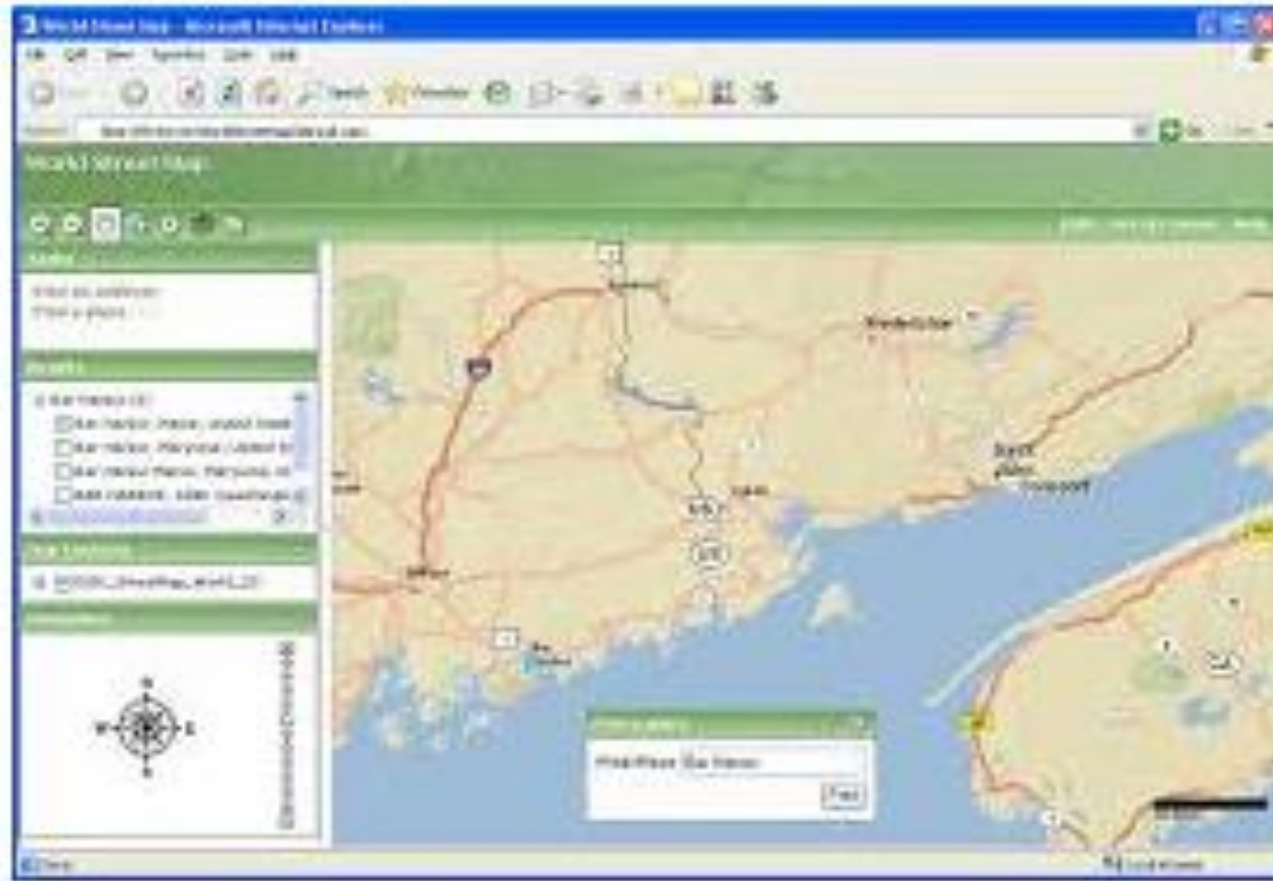
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BUT WAIT

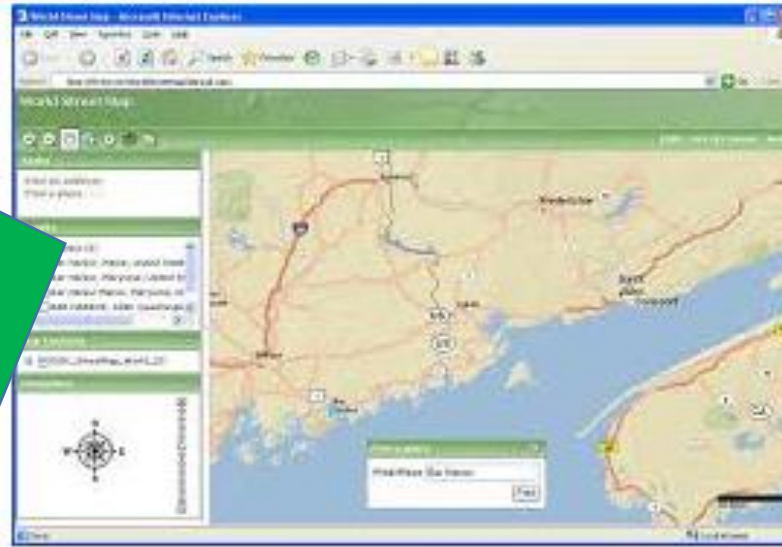


TWO REASONS

Read Username: prosario, Password: lucky7

Write - Injection





Malicious Code

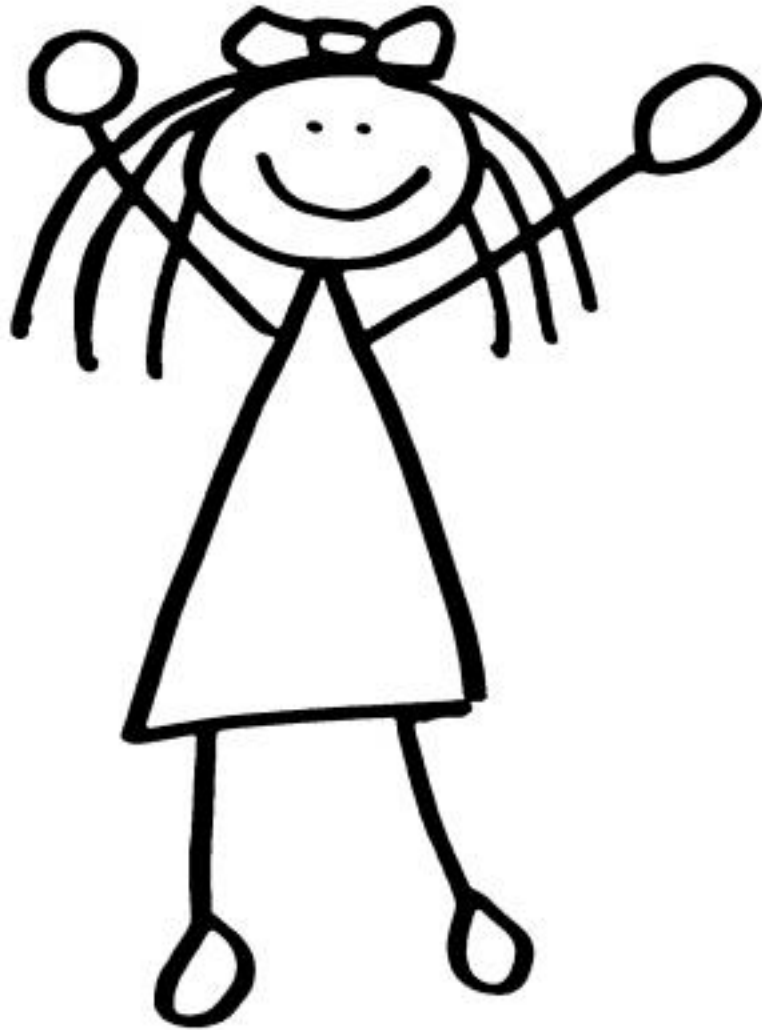


Bad Website

OR



I'm in!



Requesting a Certificate From a Trusted Authority

1. Host your website with a dedicated IP address (not shared)
2. Create a request
3. Send to a Trusted Authority (e.g. Symantec, DigiCert, GoDaddy)
 - a. Cost Range: \$50 - \$3,000
4. Receive a certificate and load onto your website



Lucky?

- Just have your IT department do it!



HTTPS

- **What: Security by Encryption,**
- **Why: Keep Transmission Secure Between Client Server,**
- **How: Certificate from a Trusted Authority**

In 5 minutes!



References

- <https://robertheaton.com/2014/03/27/how-does-https-actually-work/>
- portal/arcgis server security:
<https://www.youtube.com/watch?v=6NR8N31C2wc>



**THE END
AND
THANK YOU**

