

Easy Steps

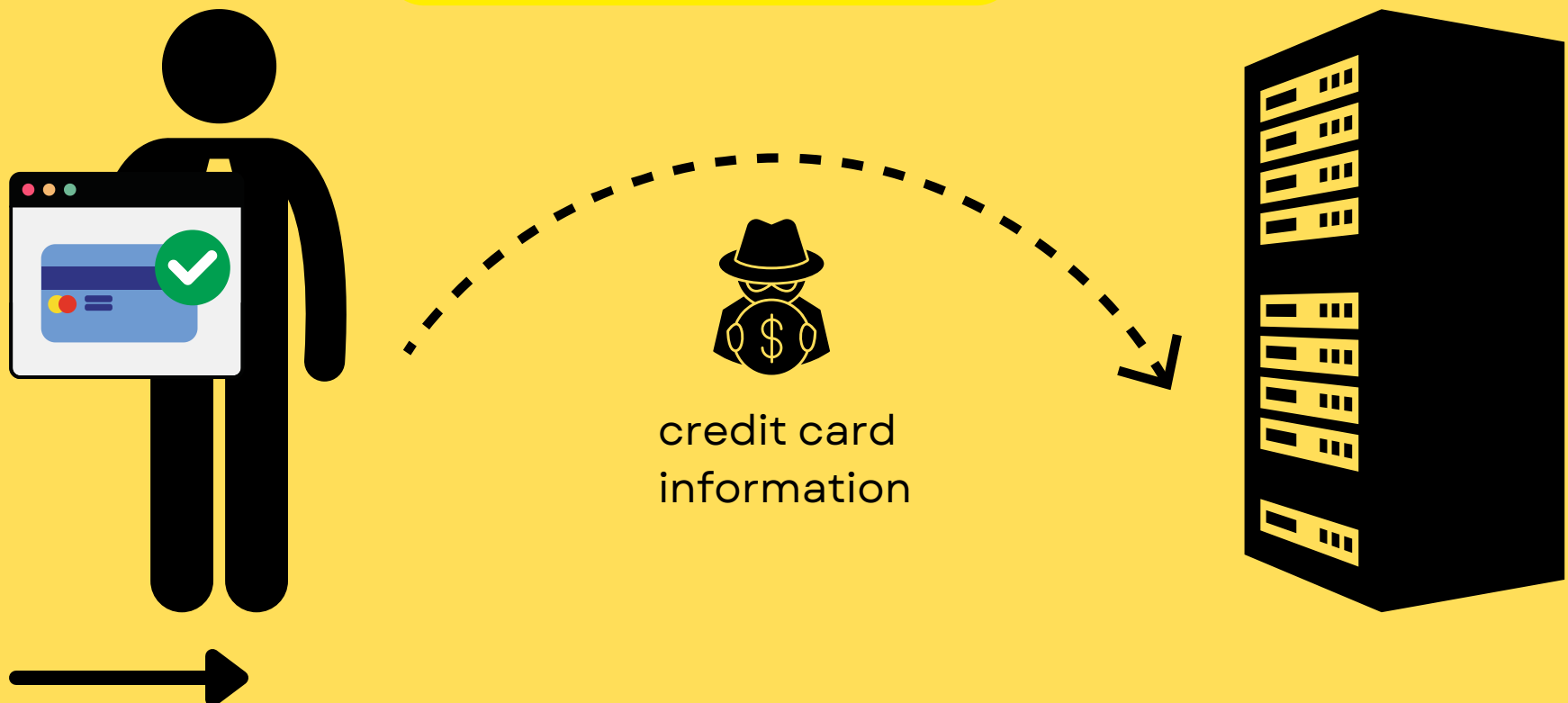
How SSL Works



Bob has a website where people can order pizza

<http://www.pizza.com>

what if someone steals your clients data?





**That is why it's crucial
to have an SSL**



How does it help?

what exactly is it?



SSL stands for Secure Sockets Layer

SSL is a secure protocol that helps to send information safely over the Internet

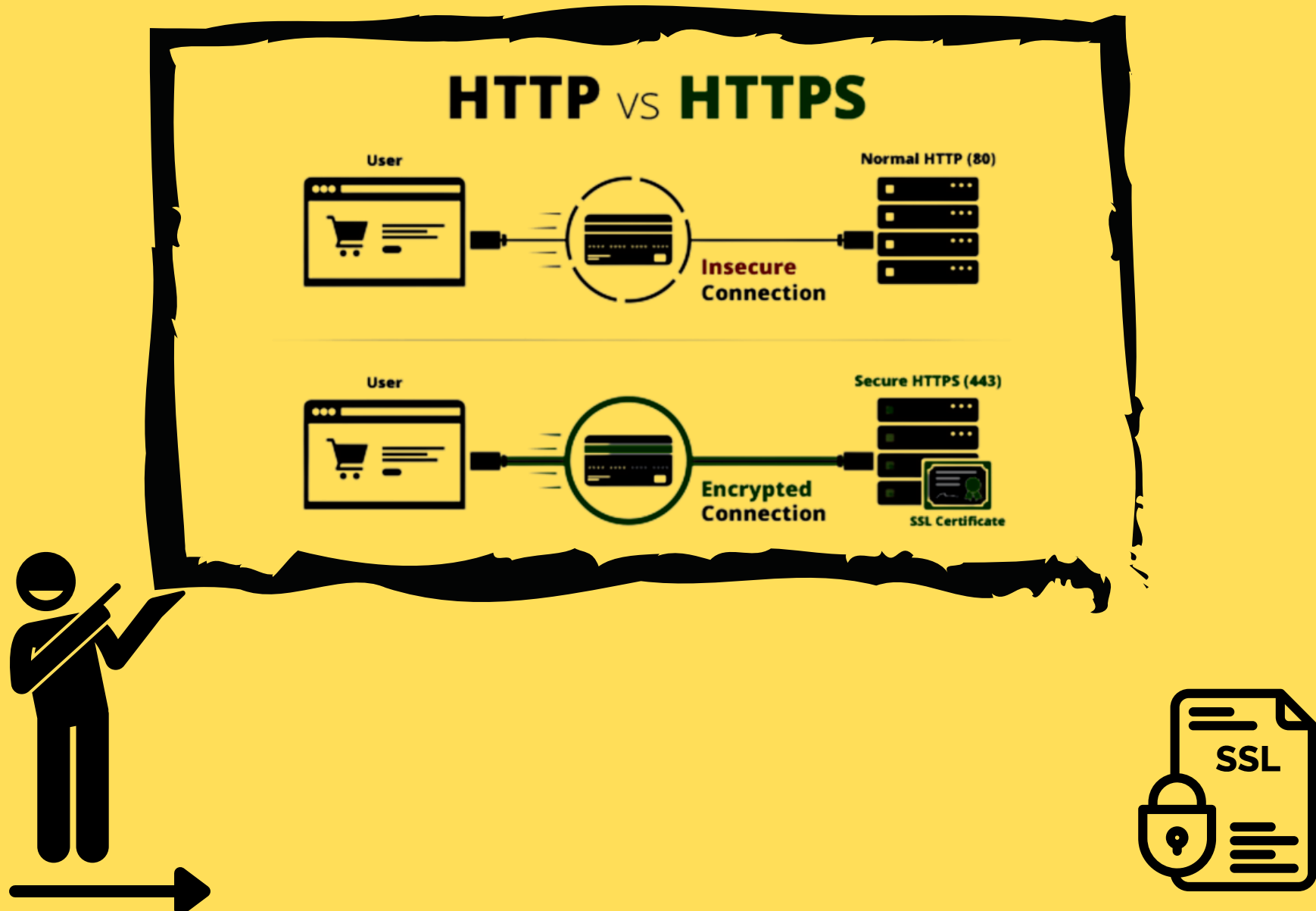


SSL creates an encrypted connection between the device of the visitor and your website



You must first have an SSL Certificate

An SSL certificate is a digital file that verifies the ownership or authenticity of a website



How does the SSL protocol work?

Think of a box with 2 keys :
Public Key and **Private Key**

This box can only be
locked by the public
key



Private Key 



 **Public Key**

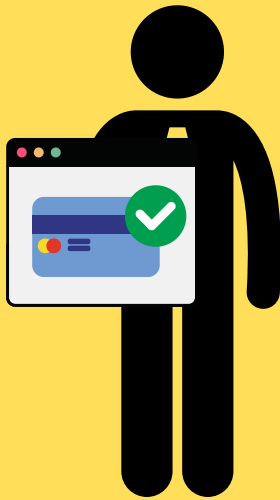


And can only be
unlocked by the
private key

Developer Tips

Ron Fybish

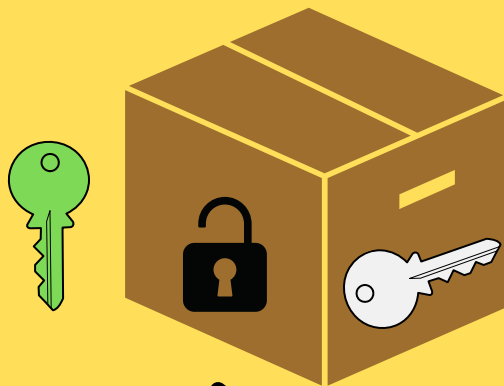
Now when the user
visits **pizza.com**



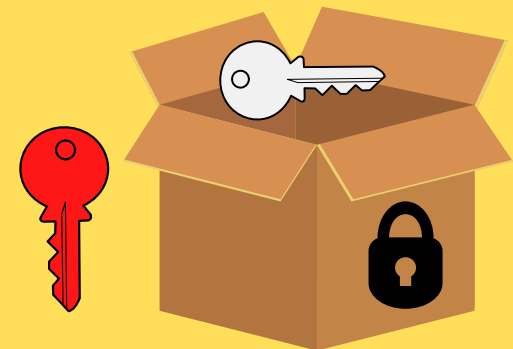
Server responds with SSL
certificate along with Public Key



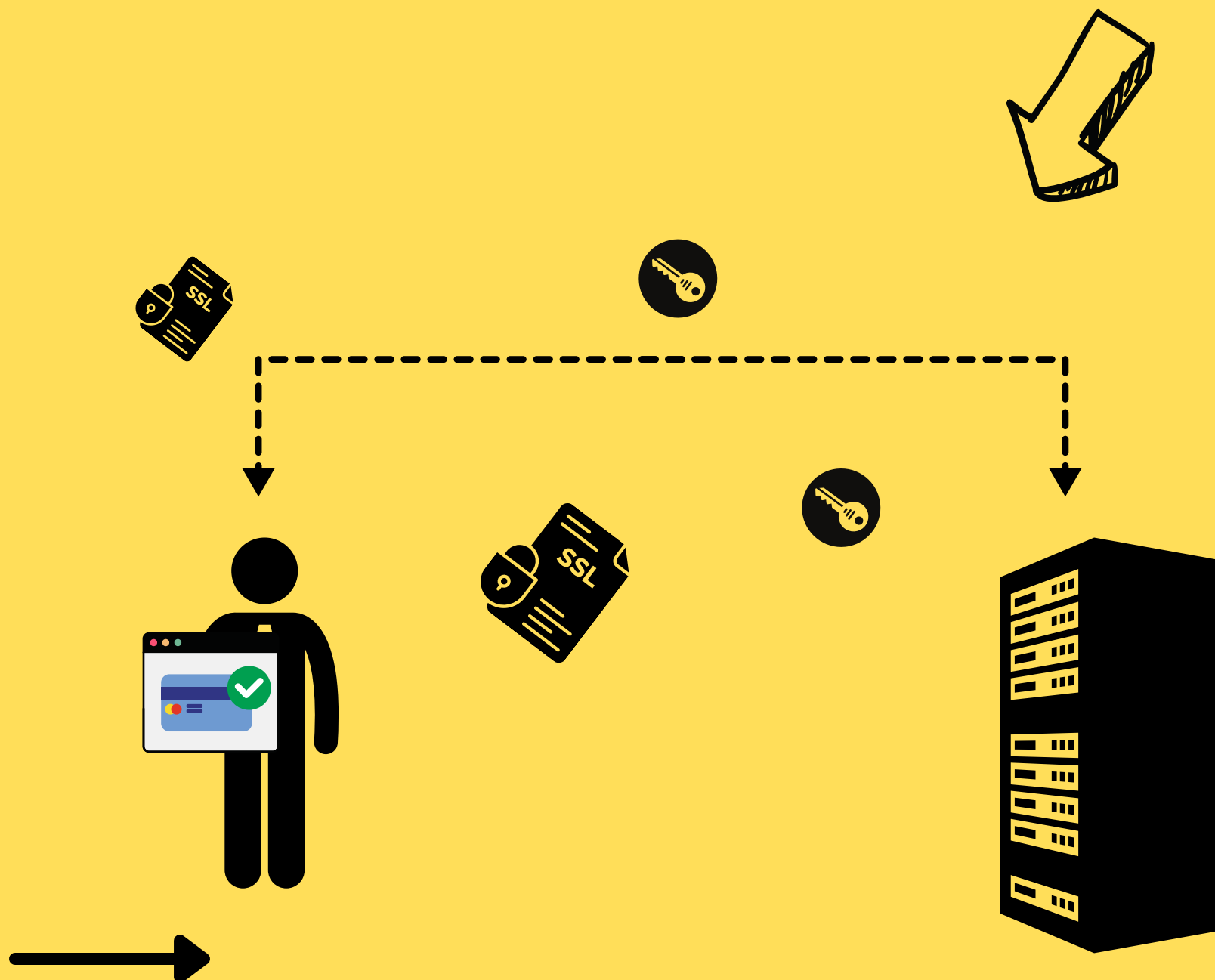
Now the browser sends the
session key in a box and locks
it with the public key sent



This box is unlocked with
the private key to acquire
the symmetric session key



The client and the server now use a shared session key to **encrypt** and **decrypt** actual data and transfer it





Ron Fybish

Developer Advocate

What do You Think About This Post?

I hope this helps! Comment below
to let me know what else you like to learn.
Follow @ronfybish to get updated :)

