## KEEPING YOU SAFE

on the Wild, Wild Web!

Parisa Tabriz @laparisa



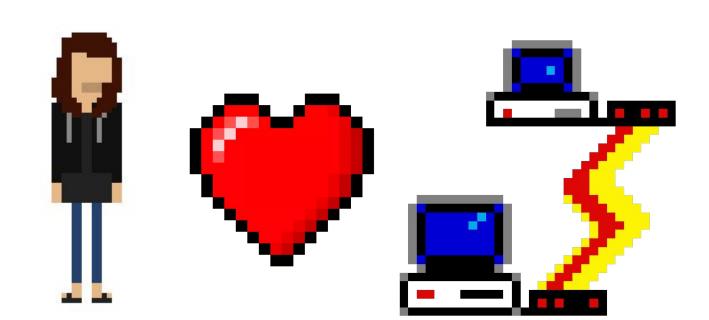


Parisa Tabriz Security Princess

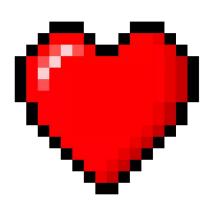
> 1600 Amphitheatre Parkway Mountain View, CA 94043 parisa@google.com

www.google.com

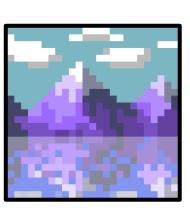












## **GOOGLE SECURITY**

Keep our users and their data safe.

## GOOGLE SECURITY



Android Disk Encryption



Gmail Spam Protection



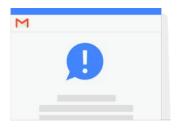
Chrome Safe Browsing



**Ads Security** 



Cloud Infrastructure



Account Notifications

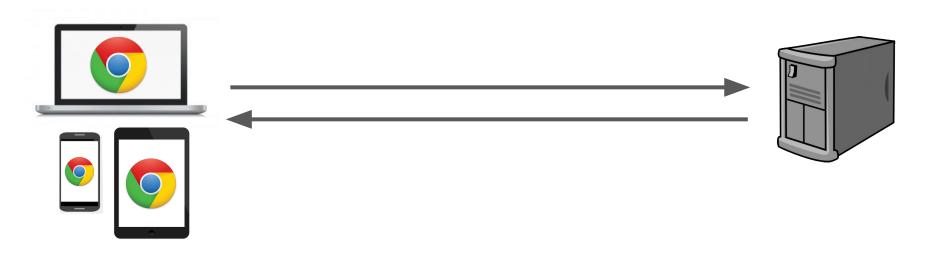
## **CHROME SECURITY**

- 1. Provide Chrome users with the most secure way to use the web.
- 2. Make the Internet safer!

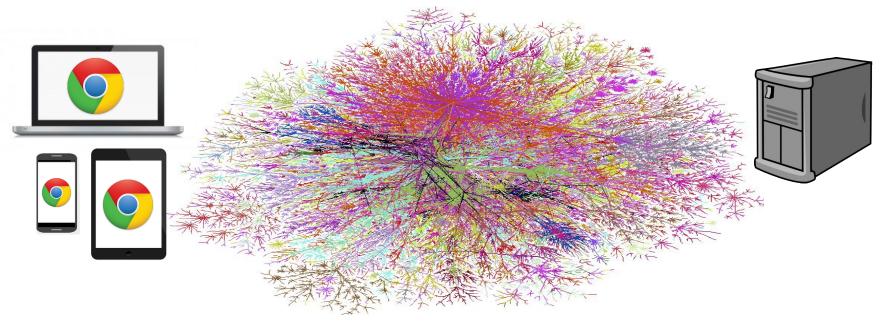
## **CHROME SECURITY**

- 1. Provide Chrome users with the most secure way to use the web.
- 2. Make the Internet safer!

#### The web feels safe...



#### but it's not!



Internet routing, circa 1998
ADVERSARIES INCLUDED







**TelCo** 

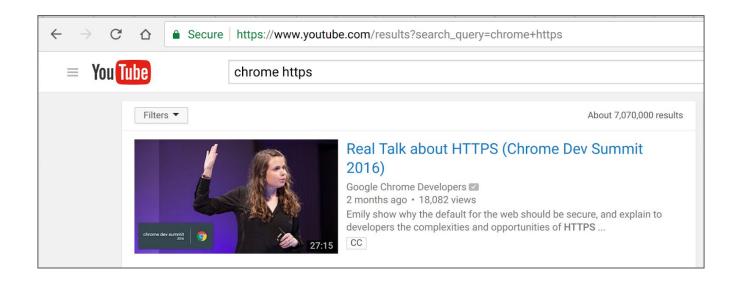
companies

**Governments** 



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## HTTPS THE WEB!



#### HTTPS for Top 100 sites

	JAN 2016
Supports HTTPS	39
Defaults HTTPS	24

https://www.google.com/transparencyreport/https/

#### HTTPS for Top 100 sites

	JAN 2016	FEB 2017
Supports HTTPS	39	54
Defaults HTTPS	24	44

https://www.google.com/transparencyreport/https/

Host	Site works on HTTPS 1	Modern TLS Config 6	Default HTTPS 0
360.cn	×	×	×
alibaba.com	×	×	×
amazonaws.com	×	×	~
ask.com	×	×	×
ask.fm	×	×	×
bbc.co.uk	×	×	×
bing.com	~	×	×
chinadaily.com.cn	×	×	×
cnn.com	×	×	×
craigslist.org	~	×	×
dailymail.co.uk	×	×	×
dailymotion.com	~	×	×
daum.net	×	×	×
ebay.co.uk	×	×	×
ebay.com	×	×	×
fc2.com	V	×	×
forbes.com	×	×	×
globo.com	×	×	×
gmw.cn	×	×	×
go.com	×	×	×

## **CHROME SECURITY**

- Provide Chrome users with the most secure way to use the web.
- 2. Make the Internet safer!



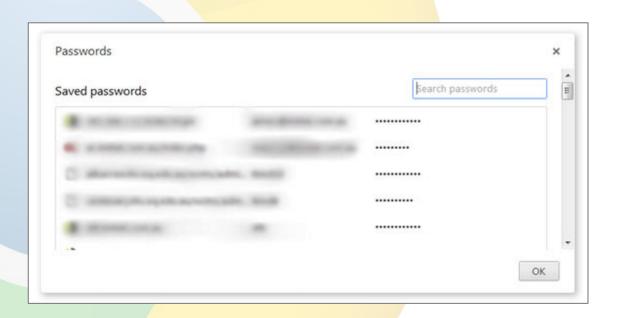
#### **TOP 5 SECURITY TIPS**

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- 2. Don't reuse or share same password.

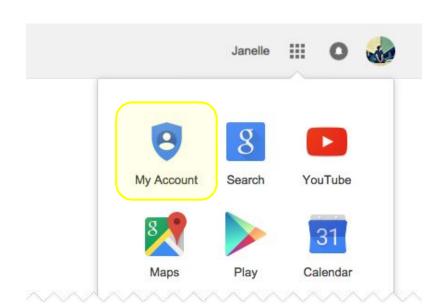
#### PASSWORD MANAGER

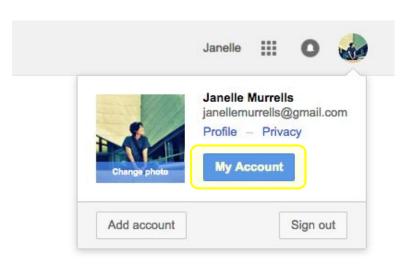


#### **TOP 5 SECURITY TIPS**

- Be leery of unsolicited help and freebies.
- 2. Don't reuse or share same password.
- 3. Don't login on shared computers and verify your account security settings.

#### **ACCOUNT SECURITY**





#### 2-STEP AUTHENTICATION



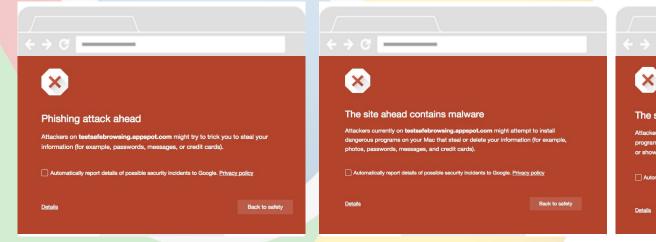
#### **TOP 5 SECURITY TIPS**

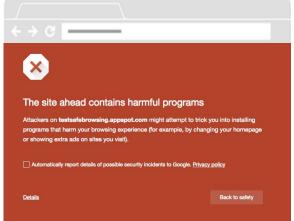
- 1. Be leery of unsolicited help and freebies.
- 2. Don't reuse or share same password.
- 3. Don't login on shared computers and verify your account security settings.
- 4. Be mindful of all software or applications you install on your computer and phone.



## Google™ Safe Browsing

#### SAFE BROWSING





#### **TOP 5 SECURITY TIPS**

- 1. Be leery of unsolicited help and freebies.
- 2. Don't reuse or share same password.
- 3. Don't login on shared computers and verify your account security settings.
- 4. Be mindful of all software or applications you install on your computer and phone.
- 5. Keep your programs up to date.

#### **AUTOUPDATE**

(No action from you needed!)

# THE END. QUESTIONS?

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