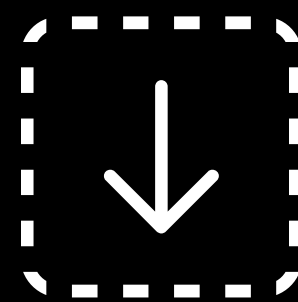


Privacy and local Mobile Apps

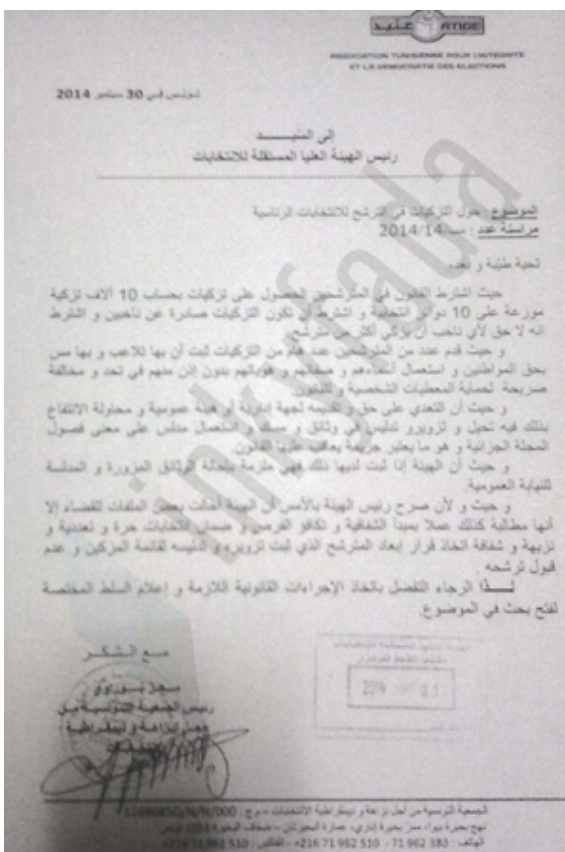
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Context

Privacy Talks made it to the news



أعطني قاعدة بيانات أعطيك آلاف التزكيات

ما انفك الشارع التونسي، على مدى شهري سبتمبر وأكتوبر، يتحدث سراً وعلانية عن وجود شبهة تزوير في جمع التزكيات انطلاقاً من بعض الوقائع التي تمّ رصدها في عديد الجهات والتي تتمثل أساساً في سعي بعض المحسوبين على عدد من المترشّحين للرئاسة الى ارقام جمهور الرياضة أو العُمد ومسؤولي الشُّعب الحزبية (ماكينة التّجّع المنحلّ سابقاً) في جمع توقيعات المئات من المواطنين بدعوى اعداد قوائم اسمية تمهيداً لتمكينهم من مساعدات عينية (أدوات مدرسية، قفّة العيد، أضحية العيد الخ) أو نقدية تتمثّل في هبات بمبالغ مختلفة.

Presidential Elections Endorsements Leaks

Biometric ID Bill

Access Now
July 11 at 7:25pm



Protéger la vie privée - voter NON sur la carte d'identité nationale biométrique proposée



State of the Art: Legal Framework

- *Privacy as a constitutional Right**
- *National Authority for Personal Data Protection (INDP)**
- *Convention 108 Ratification**

CONNECTIVITY IN NUMBERS

48

*Percent of the
population is using
internet*

/

7.8

Data Subscription

**How do local
mobile apps deal
with Users
privacy?**

Research Start Point/idea:

While installing or updating mobile apps, there's always that famous pop-up that asks to allow the app to use specific features of the phone.

What kind of permissions do local mobile apps usually ask for?

And how safe it is for a user to give these permissions?

Apps Selection

A dataset of **43** Applications selected manually from Play Store



8 Sectors

Banking Sector

Media

E-commerce

Brands

Services

ISPs/Operators

Public Institutions

Sport clubs

Permissions:

18 sub-Categories: Microphone,Contacts,Storage,SMS,Camera,Location,WiFi,Phone,Device,Identity,Network,Bluetooth,Sensors,TimeZone&Alarm,Notification,Packages,WallPaper

Highly Dangerous

Storage: Read / Modify or delete the contents of your USB storage.
Contacts: Find/ Read/ Modify accounts on the device.
Location: Receive Location
Phone: Read phone status and identity.
Camera: Take pictures and videos.
Microphone: record audio...

Medium

Wifi: view Wi-Fi connections.
SMS: receive text messages (SMS)', 'send SMS messages
Device: retrieve running apps.
Storage: Format external storage, mount/unmount

Trivial

Alarm, Notification, Wallpaper, Sensors...

Findings:

Apps Ranking:

- Less privacy friendly: Globalnet
- Most privacy friendly: La Post

Permissions Per Sectors:

Location – Banking

Storage – Media

Contacts – Telecom Companies / Clubs

Sectors Ranking:

1/Brands

2/Media

3/Banks

Recommendations



Privacy Policies Importance



Developpers / Pms education



Activating the process - INDPD

Next Steps



Extend Our research to report 9 MENA countries



Publish a final report



Develop a privacy Awareness Index based on local apps analysis