The Great Cryptographic Divide

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Data localization laws
Encryption Usage

Number of Users (In Millions)

Cellphone
Internet
Net New
E2E Social Media

Number of Users (In Millions)
The Arguments

- Protect and serve
- Going dark
- Lawful access
- Outdated laws
- Protect the user
- Do not enforce software changes
- No backdoors
- Privacy is inherent
What Would Jim Comey Do?
Alternatives – Enhanced Techniques

- Network investigative techniques (“lawful hacking”)
- Enhanced data/metadata collection (IoT)
- HUMINT and UC techniques
- Exceptional access
Alternatives – Legal Reform / Training

• Consolidated practices for requesting data
• Reform of global legal
• Law enforcement training
Call to Action

- Contact the government
- Support privacy organizations
- Voice your opinion to Law Enforcement
- Creative problem solvers
Path Forward

- Modernizing laws
- Streamline global sharing agreements
- Increase protections for corporations
- Law enforcement to enhance existing techniques
- Better training and cooperation
- Help define exceptional access
Thank you

“A qubit a day, keeps encryption away”

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