

THE CITIZEN LAB

PART ONE:

THE NSA / SNOWDEN REVELATIONS

新聞台



30°C 15:52



南華早報：斯諾登已往莫斯科



THE GUARDIAN, GLENN GREENWALD AND LAURA POITRAS

亡

世界汽車越野賽意大利站，法國

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Berkeley Street, London - 1920s
Berkeley Street, London - 1920s



Bletchley Park - Wartime



C Block Oakley, Cheltenham - 1950s



Block 10 Benhall, Cheltenham - 1970s
Block 10 Benhall, Cheltenham - 1970s

Price: 5 Francs
Subscription Rates
Listed on Page Two

NEW YORK Herald Tribune

EUROPEAN EDITION

PARIS, WEDNESDAY, JUNE 27, 1945

THE NEW YORK HERALD
ESTABLISHED IN EUROPE 1887

United Nations Adopt World Charter

B29s Bomb 10 Japanese War Plants

Four Industrial Areas On Honshu Blasted by 450 to 500 Super-Forts

Aircraft and Parts Factories Attacked

BULLETIN
WASHINGTON, June 26 (A.P.).—A medium force of Super-Forts launched a new attack on industrial targets on the Japanese main island of Honshu, the 29th Air Force announced. The attack was made by the 21st Bomber Command shortly after midnight (June 27, Japanese time). The target was Yokkaichi, near Nagoya, which was blasted only (continued on page 2)

A 'Boy at the Dike' In a Modern Setting

Special to The European Edition
KANSAS CITY, June 26.—Lieutenant Commander Wayne A. Parker, engineer officer on the U.S.S. Ringgold, told today how he backed into a hole below the waterline when the vessel was ripped by Japanese shore batteries.
"The jagged hole was mighty uncomfortable," he said. "And it cost me five minutes of anxiety and a new pair of trousers."
But the human plug saved the ship and won a Navy Cross.

Crowley Says Reich Policing Must Be Lasting

Asserts Germany Still Has Her Industrial Strength, Despite Allied Bombing

From the Herald Tribune Bureau
WASHINGTON, June 26.—Leo T. Crowley, Foreign Economic Administrator, asserted today that Germany still has her industrial strength, despite Allied bombing.
"The German economy is still in a state of shock," he said. "But the industrial base is still intact. It will take some time to rebuild, but it will be there."
Crowley said that the German economy is still in a state of shock, but the industrial base is still intact. It will take some time to rebuild, but it will be there.

Seized Gold Seen Put to Reich's Use

France Unable to Learn Details of Hoard Seized By American 3d Army

By Geoffrey Parsons Jr.
Gold captured in Germany, so far as the French government can discover from British and American authorities, is to be used during the coming winter to pay for feeding and rebuilding Germany, regardless of whether or not the gold was stolen from the Allied governments.
All efforts of the Belgian and French governments to check the identity of the gold discovered by the American 3d Army at Frankfurt have been bluntly discouraged, despite United Nations declarations of January 5, 1943, and February 22, 1944, in which it was specifically stated that the transfer of gold from one occupied country to another by the Nazis would never be recognized.
The gold question, hitherto unreported, is one of the major factors in the current negotiations for the settlement of the German question.

Ban on Aggression Is Voted, Human Rights Guaranteed

United Nations' New World Charter Provides for Collective Peace Measures and Solution of Social, Economic and Cultural Problems

By the Associated Press
SAN FRANCISCO, June 26.—The essential functions of the new world charter—a document 10,000 words long and nine weeks in the making by delegates of fifty nations—may be summarized as follows:
It will enable the United Nations to take collective measures for the prevention and removal of threats to peace and for the suppression of acts of aggression or other breaches of the peace, and to bring about by peaceful means the settlement of international situations which might lead to a breach of the peace.
It will achieve international co-operation in solving problems of an economic, social, cultural or humanitarian character, and in encouraging respect for human rights and fundamental freedoms without distinction as to sex, language or religion.
All members shall settle their international disputes by peaceful means, and shall refrain from the threat or use of force against the territorial integrity or political independence of any state. Members shall not resort to force against one another in violation of the provisions of the Charter.
The members shall cooperate in maintaining international peace and security, and in promoting friendly relations among nations based on respect for the principle of equal rights and self-determination of peoples.
The members shall promote and encourage economic cooperation and development, and shall take effective measures to eliminate international trade barriers and to secure the free flow of goods, services and capital.
The members shall promote and encourage cultural and educational cooperation, and shall take effective measures to eliminate international educational barriers and to secure the free flow of knowledge and information.
The members shall promote and encourage human rights and fundamental freedoms, and shall take effective measures to eliminate international barriers to the enjoyment of these rights and freedoms.

Closes Conference



President Truman

President Hails Parley's Success

Truman Tells Closing Session of San Francisco Conference It Has Laid Foundation for Lasting Peace

Special to The European Edition
SAN FRANCISCO, June 26.—The charter of the United Nations, a document written in conference here by the representatives of fifty nations to outline their hopes and plans for a future world of peace and security, was formally signed today.
President Harry S. Truman witnessed the signing by delegates of the United States, and addressed the closing session of the conference, praising it for creating "a great instrument for peace and security and human progress in the world."
"But now the world must use it," he said, "otherwise, we shall betray all those who have died in order that we might meet here in freedom and safety to create it."
The delegates, who voted their final approval of the charter at a plenary session late last night, began affixing their signatures at noon. The first was Wellington Koo, of China, who put on his signature with a Chinese writing brush. Sitting in a blue chair before the oval table, Mr. Koo said, "This is a great day for all."









The Top Secret Network of Government and its Contractors

Explore the relationships between government organizations and the types of work being done in Top Secret America. Need help?

Reset to full view

- Government Organizations
- Intelligence
- Military
- Homeland Security
- Unconventional Warfare
- Weapons Technology
- Support and Admin
- Featured Companies*

GOVERNMENT ORGANIZATION

Northern Command

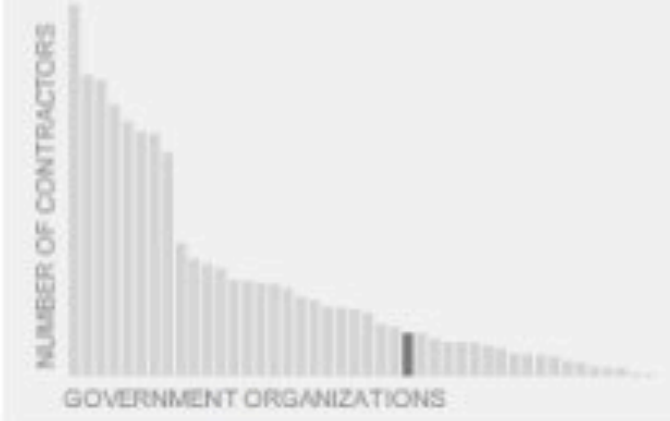
U.S. Northern Command (USNORTHCOM) provides command and control of Department of Defense homeland security efforts and coordinates defense support of civil authorities.

[View full profile](#)

Number of top-secret work locations:

13

Ranks 26 of 45 for number of companies:



Top-secret work performed by NORTHCOM:

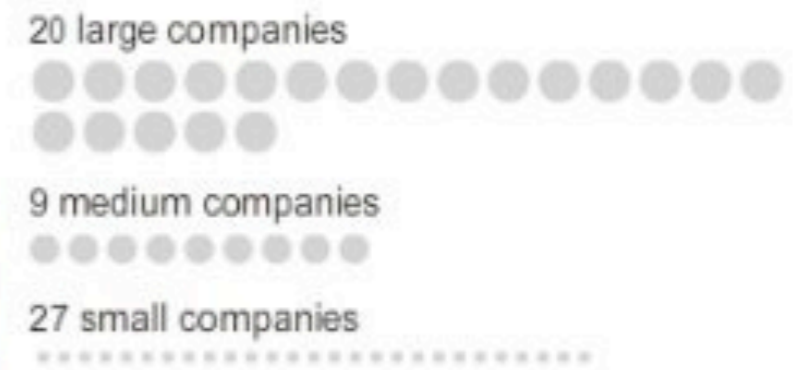
14 of 23 work types



Table view Spiral view

Companies doing top-secret work with NORTHCOM:

56 of 1,931 companies



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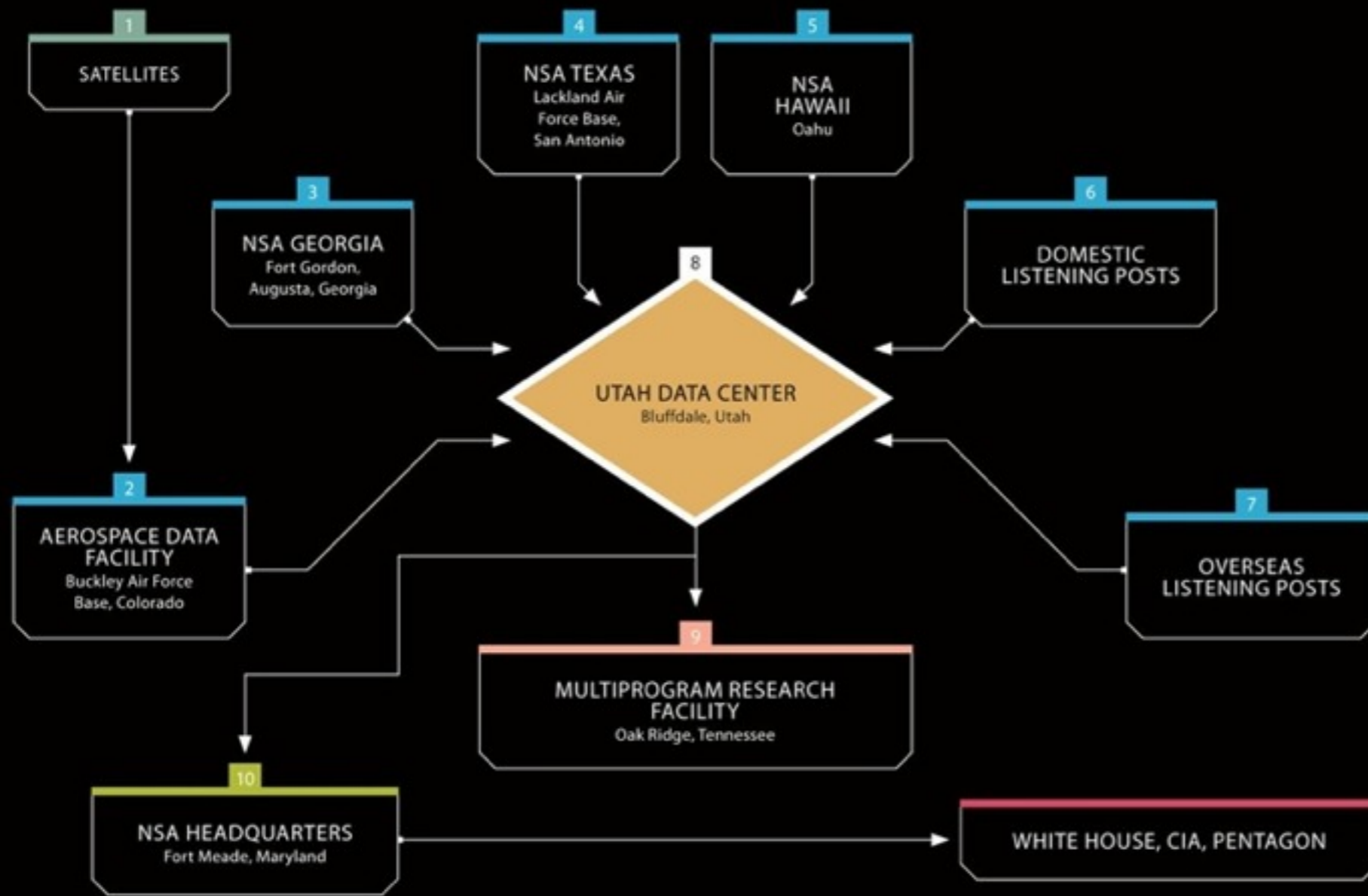
[*Notes/Credits](#)

[Fullscreen](#)



THE NSA'S SPY NETWORK

ONCE IT'S OPERATIONAL, THE UTAH DATA CENTER WILL BECOME, IN EFFECT, THE NSA'S CLOUD. THE MASSES OF COLLECTED DATA, FED FROM ACROSS THE NETWORK, WILL THEN BE ACCESSIBLE TO THE NSA'S CODE BREAKERS, DATA-MINERS, CHINA ANALYSTS, COUNTERTERRORISM SPECIALISTS AND OTHERS WORKING AT ITS FORT MEADE HEADQUARTERS AND AROUND THE WORLD. HERE'S HOW THE DATA CENTRE APPEARS TO FIT INTO THE NSA'S GLOBAL PUZZLE. JB



1. GEOSTATIONARY MONITORING SATELLITES

Four satellites monitor frequencies carrying everything from walkie-talkies in Libya to radar systems in North Korea. Onboard software acts as the first-stage filter.

2. AEROSPACE DATA FACILITY, BUCKLEY AIR FORCE BASE

Intelligence is relayed to this facility outside Denver. About 850 NSA employees track the satellites, transmit target information and download the intelligence haul.

3. NSA GEORGIA, FORT GORDON, AUGUSTA, GA

Focuses on intercepts from Europe, the Middle East, and North Africa. Codenamed "Sweet Tea", the facility is being massively expanded, due for completion in 2013.

4. NSA TEXAS, LACKLAND AIR FORCE BASE

Focuses on intelligence intercepts from Latin America and, since 9/11, the Middle East and Europe. Some 2,000 workers staff the operation.

5. NSA HAWAII, OAHU

Focuses on intercepts from Asia. Built to house a WWII aircraft assembly plant, its 23,000m² bunker is nicknamed "The Hole". A 21,000m² above-ground facility was recently added.

6. DOMESTIC LISTENING POSTS

After 9/11, the NSA installed taps in US telecom "switches", gaining access to domestic traffic. An ex-NSA official says there are ten to 20 such installations.

7. OVERSEAS LISTENING POSTS

According to one source, the NSA has installed taps on at least a dozen overseas communications links, each capable of eavesdropping on any information passing by.

8. UTAH DATA CENTER, BLUFFDALE, UTAH

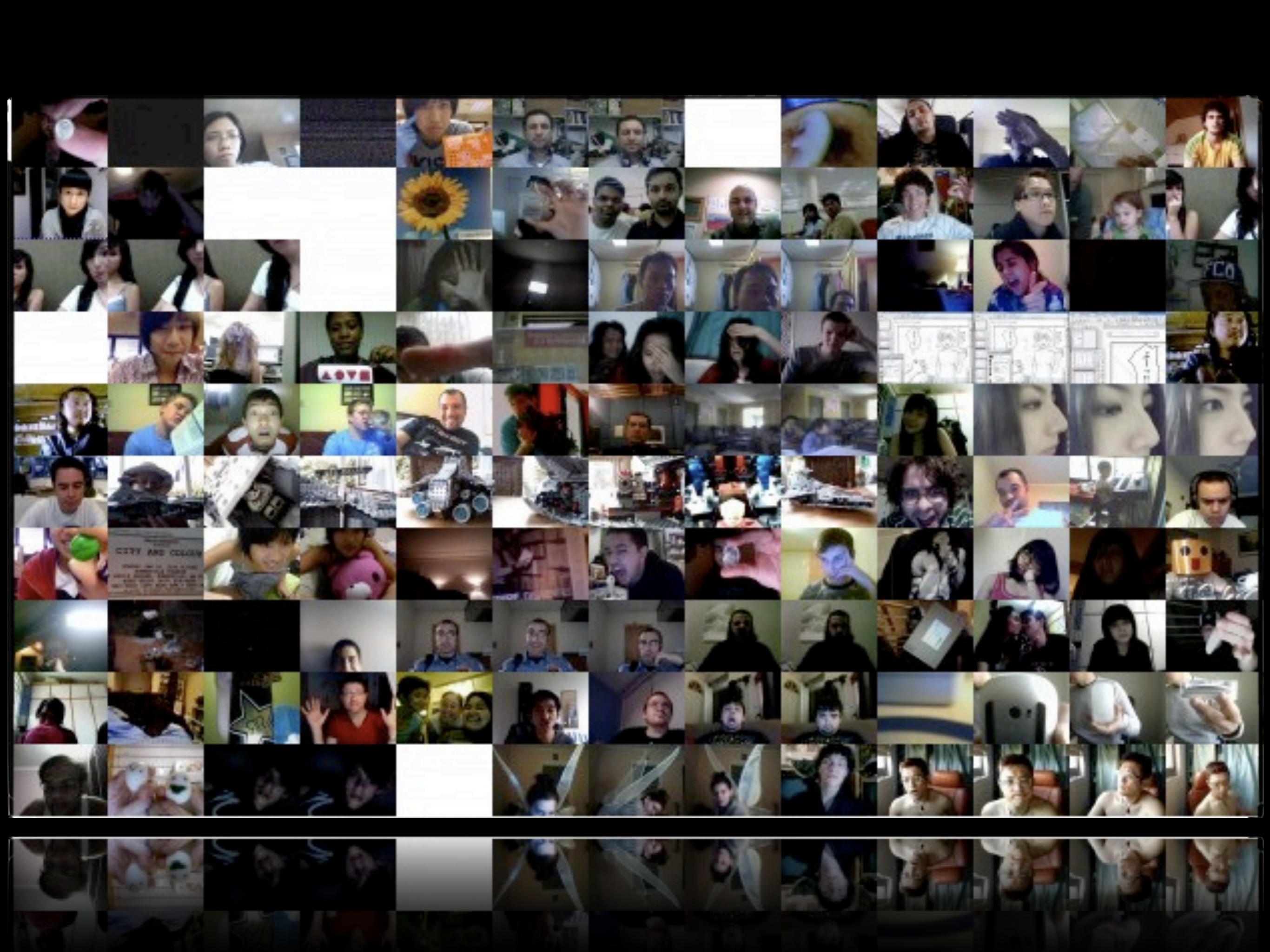
At 92,000m², this \$2 billion digital storage facility outside Salt Lake City will be the centerpiece of the NSA's cloud-based data strategy and essential to decrypting documents.

9. MULTIPROGRAM RESEARCH FACILITY, TN

Some 300 scientists and computer engineers with top security clearance toil here, building the world's fastest supercomputers and working on secret cryptanalytic applications.

10. NSA HEADQUARTERS, FORT MEADE, MD

Where material stored at Bluffdale will be analysed for reports and recommendations that are sent to policymakers. The NSA is also building an \$896m supercomputer here.





Who is the Internet?



Who is the Internet?

- 2.5 billion Internet connected
- North America and Europe > 33% of Internet Users
- Asia > 45% - only 6th in penetration
- 2/3 under twenty five years of age
- 4 of 6 billion mobile phones in developing world

PART TWO:

THE CONSEQUENCES

I. The Nationalization of Cyberspace







**"We built it here,
and it was
quintessentially
American," he said,
adding that
partially due to
that, much of
traffic goes through
American servers
where the
government "takes
a picture of it for
intelligence
purposes."**



India's 2011 Intermediaries Act





Number of Internet Exchange Points per country, September 2013



Half of all the world's countries have no Internet exchange points at all

- United States
- Brazil**
- France
- Germany
- Japan
- Russia
- Australia
- Sweden
- Argentina
- Poland
- United Kingdom
- Ukraine
- Indonesia
- India
- Italy
- Norway
- Canada
- Netherlands
- New Zealand
- South Africa
- Spain
- China
- Finland
- Korea

2. Int'l Legitimization of Nationalization



2. Int'l Legitimization of Nationalization

R A T S



3. Home-Grown and DIY NSA's



3. Home-Grown and DIY NSA's

JR02-2009

Tracking *GhostNet*: Investigating a *Cyber Espionage* Network

Information Warfare Monitor

March 29, 2009



<http://www.infowar-monitor.net/ghostnet>

3. Home-Grown and DIY NSA's

Selected GHOSTNET Infections

ASEAN
Associated Press
Deloitte and Touche
United Nations
Embassy of India, US
Taiwan Stock Exchange
Ministry of Foreign Affairs, Iran
Dept of Foreign Affairs, Indonesia
Embassy of Indonesia, China
High Commission of India, UK
NATO (Germany)
Prime Minister's Office, Laos

JR02-2009

Tracking *GhostNet*:

Investigating a *Cyber Espionage* Network

Information Warfare Monitor

March 29, 2009



<http://www.infowar-monitor.net/ghostnet>

From: "campaigns@freetibet.org" <campaigns@freetibet.org>

Date: 25 July 2008

Subject: Translation of Freedom Movement ID Book for Tibetans in Exile

Translation of Freedom Movement ID Book for Tibetans in Exile.

Front Cover

Emblem of the Tibetan government in Exile

Script: Voluntary Contribution into common fund for Tibetan Freedom Movement

Inside Cover

Resolution was passed in the preliminary general body meeting of the Tibetan Freedom Movement held on July 30, 1972 that the Tibetan refugees in exile would promise for each individual's share of the voluntary contribution into the Tibetan Freedom Movement Receipt book. This resolution was later reaffirmed by the 11th Tibetan People's Deputies and passed into the law on April 01, 1992 (Tibetan King Year 2119)

Until the last page of this book is used, the book stands valid until August 15, 2012

Date: August 16, 2008

Emblem of the Tibetan Government in Exile

Official Signature

Attachment: Translation of Freedom Movement ID Book for Tibetans in Exile.doc

Gh0st RAT Beta 3.6

ID	WAN	LAN	Computer Name /Note	OS	CPU	Ping	Webcam
0	10.0.2.15	10.0.2.15	red-two	XP SP2 (Build 2600)	2386...	0	--

- File Manager
- Screen Capture
- Keylogger
- Remote Shell
- System
- Webcam View
- Audio Capture
- Administrate
- miscellaneous**
- Change Name
- Disconnect
- Select All
- Unselect

- Download/Excute
- Update Server
- Open URL**
- Clear Logs

- Hidden
- Normal

Connections Settings Build

10.0.2.15 S: 0.03 kb/s R: 0.11 kb/s Port: 80 Connections: 1













4. Growing Market for Tools of Repression



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F  **RTINET[®]**

websense[®]

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FINFISHER

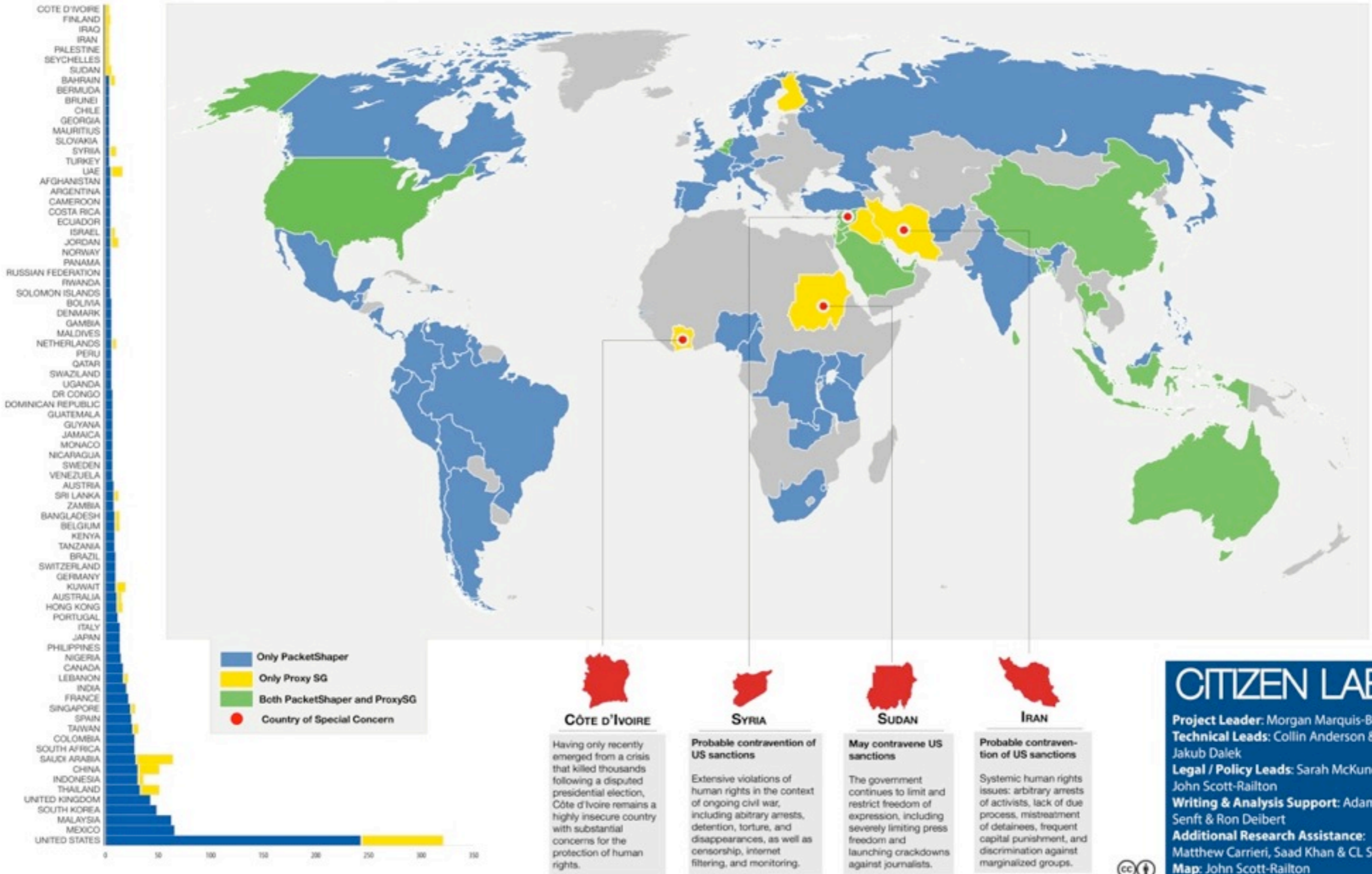
IT INTRUSION



netsweeper

Some Devices Wander By Mistake: PLANET BLUE COAT REDUX

Blue Coat on Public Networks



CITIZEN LAB

Project Leader: Morgan Marquis-Boire
Technical Leads: Collin Anderson & Jakub Dalek
Legal / Policy Leads: Sarah McKune & John Scott-Railton
Writing & Analysis Support: Adam Senft & Ron Deibert
Additional Research Assistance: Matthew Carrieri, Saad Khan & CL Staff
Map: John Scott-Railton





Spyware Leaves Trail to Beaten Activist Through Microsoft Flaw

By Vernon Silver - Oct 10, 2012 3:28 AM ET



3 COMMENTS

QUEUE



Bloomberg

Pro-democracy activist Ahmed Mansoor unwittingly downloaded spyware that seized on a flaw in the Microsoft Corp. program to take over his computer and record every keystroke.

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----- Forwarded Message -----

From: Melissa Chan <melissa.aljazeera@gmail.com>

To:

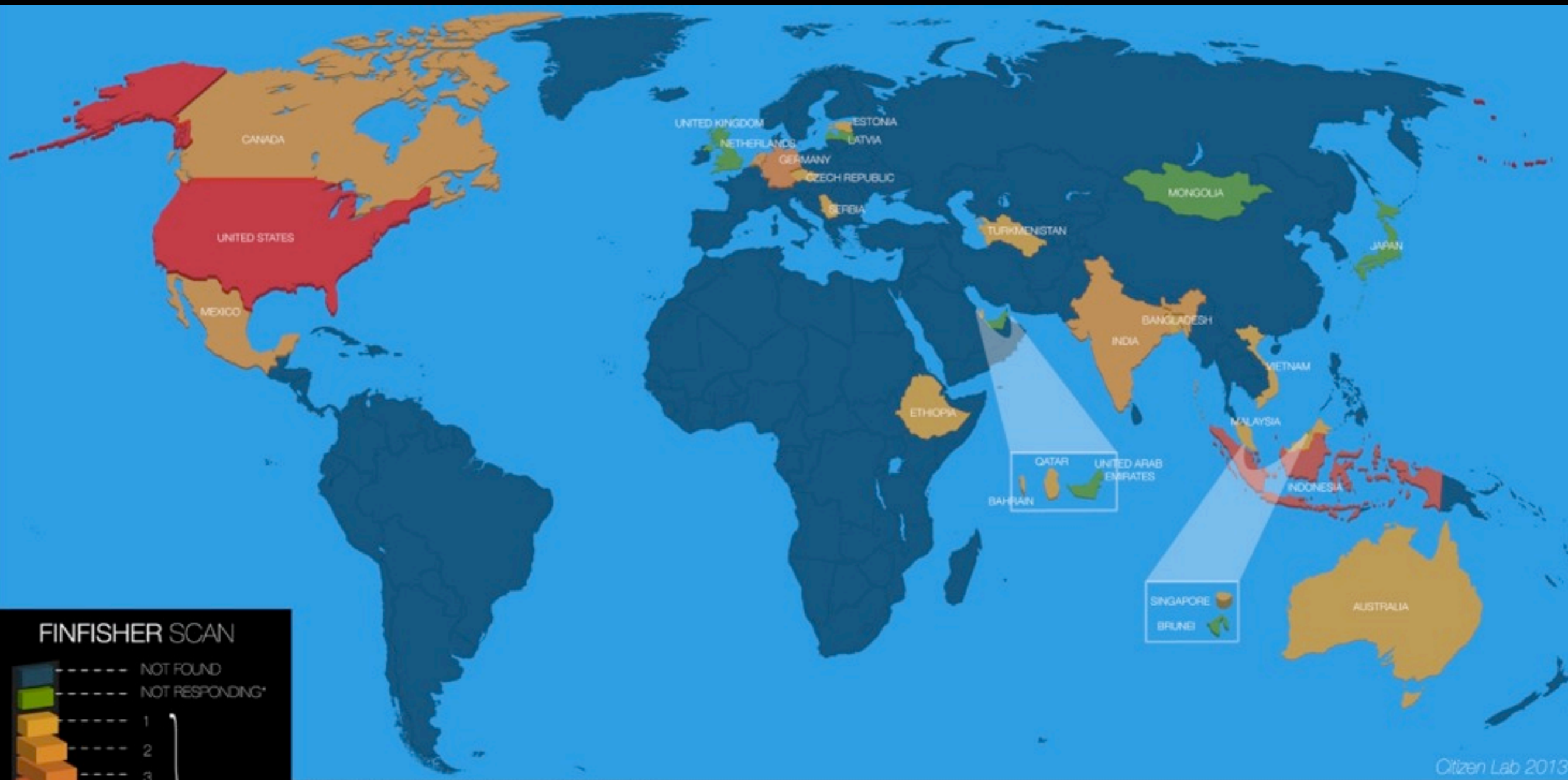
Sent: Tuesday, 8 May 2012, 8:52

Subject: Torture reports on Nabeel Rajab

Acting president Zainab Al Khawaja for Human Rights Bahrain reports of torture on Mr. Nabeel Rajab after his recent arrest.

Please check the attached detailed report along with torture images.

```
018e9ed0 28 94 df 66 12 14 ca 42 aa 76 42 35 15 4d c3 8b | (...f...B.vB5.M..
018e9ee0 01 00 00 00 79 3a 5c 6c 73 76 6e 5f 62 72 61 6e |....y:\lsvn bran
018e9ef0 63 68 65 73 5c 66 69 6e 73 70 79 76 34 2e 30 31 |ches\finspyv4.01
018e9f00 5c 66 69 6e 73 70 79 76 32 5c 73 72 63 5c 74 61 |\finspyv2\src\ta
018e9f10 72 67 65 74 5c 62 6f 6f 74 6b 69 74 5f 78 33 32 |rget\bootkit_x32
018e9f20 64 72 69 76 65 72 5c 6f 62 6a 66 72 65 5f 77 32 |driver\objfre_w2
018e9f30 6b 5f 78 38 36 5c 69 33 38 36 5c 62 6f 6f 74 6b |k_x86\i386\bootk
018e9f40 69 74 5f 78 33 32 64 72 69 76 65 72 2e 70 64 62 |it_x32driver.pdb
018e9f50 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 |.....
```

These are the results of scanning from DATE to DATE for known characteristics of FinFisher Command and Control servers.

(1) Due to the scanning methodology and possible concealment strategies, this may not be a full representation of all active finfisher servers. (2) Presence of a server does not necessarily indicate knowledge or complicity by the country as proxies are undoubtedly in use on some FinFisher deployments.

*but detected during a previous scan

YOU ONLY CLICK TWICE: FINFISHER'S GLOBAL PROLIFERATION

AUTHORS: MORGAN MARQUIS-BOIRE & BILL MARCZAK
 MAP: JOHN SCOTT-RAILTON

Citizen Lab 2013

The Technology

United States-----
NetApp Inc. and Hewlett-Packard Co. gear to Syria. Blue Coat Systems Inc., McAfee Inc. and NetApp products to Tunisia.

Finland-----
Nokia Siemens Networks to Iran and Tunisia.

Sweden-----
Ericsson AB mobile-positioning gear to Iran.

Denmark-----
ETI A/S data interception gear to Tunisia.

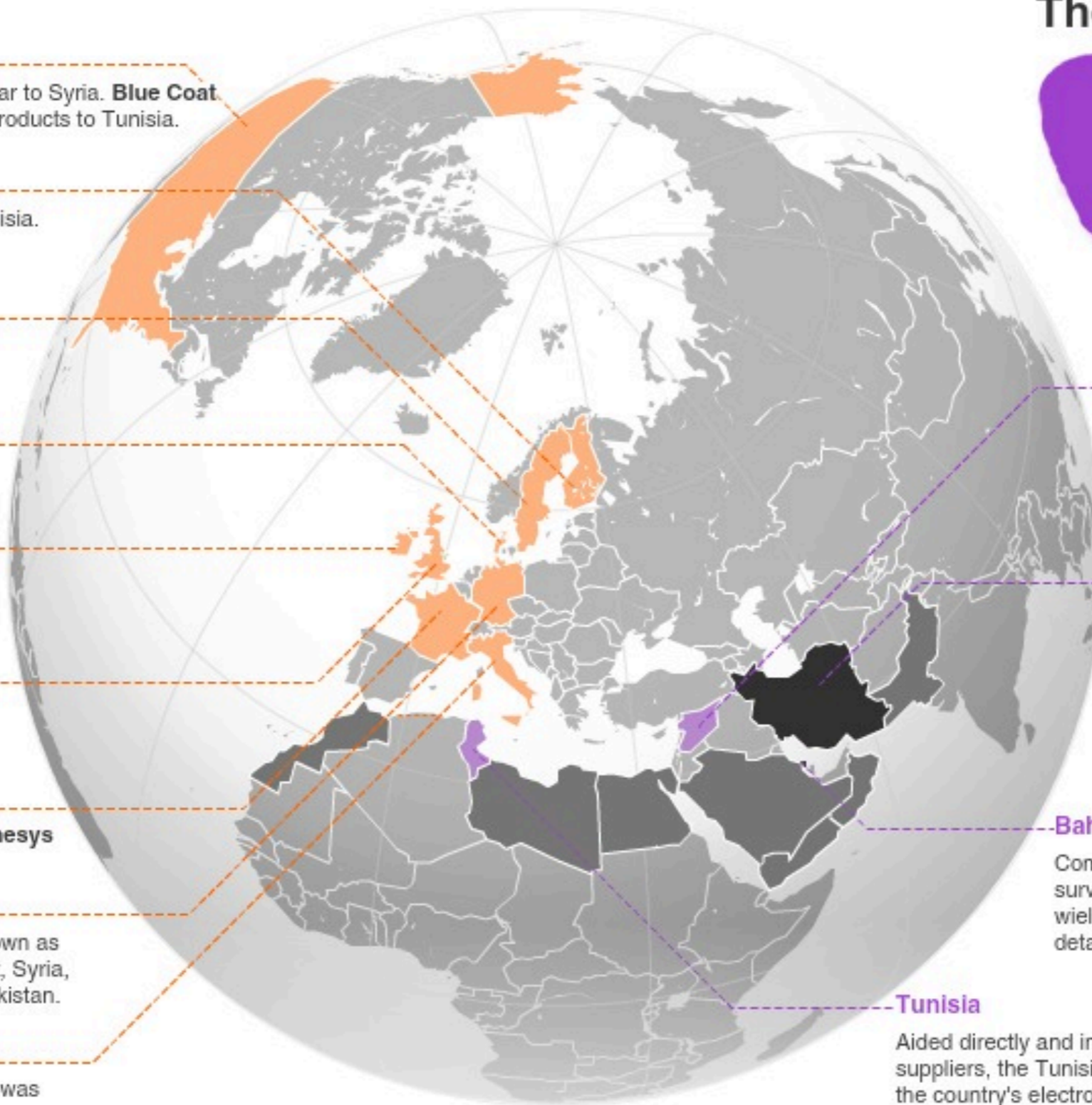
Ireland-----
AdaptiveMobile Security Ltd. message retrieval/storage to Iran.

United Kingdom-----
Creativity Software Ltd. location tracking gear to Iran.

France-----
Qosmos SA scanning probes to Syria. Amesys technology to Libya.

Germany-----
The former Siemens AG business now known as Trovicor GmbH to nations including Egypt, Syria, Tunisia, Yemen, Bahrain, Morocco and Pakistan. Utimaco Safeware AG to Tunisia, Syria.

Italy-----
Area SpA headed installation in Syria that was cancelled in November.



The Victims



The Buyers

Syria-----
A system being installed under the direction of Syrian intelligence agents would have intercepted, scanned and cataloged virtually every e-mail through Syria.

Iran-----
Even as Iran pursued a brutal political crackdown, including arrests and executions surrounding its contested 2009 elections, companies supplied it with location tracking and text-message monitoring equipment that turn mobile phones into tools for surveillance.

Bahrain-----
Computers loaded with Western-made surveillance software generated transcripts wielded in the interrogations of scores of detainees.

Tunisia-----
Aided directly and indirectly by American and European suppliers, the Tunisian government took control of virtually all the country's electronic communications, even changing the content of e-mails in transit.

PART THREE:

QUO VADIS?





WHAT GOVERNMENT?

WHO RUNS THE INTERNET?

NO ONE PERSON, COMPANY, ORGANIZATION OR GOVERNMENT RUNS THE INTERNET.

The Internet itself is a globally distributed computer network comprised of many voluntarily interconnected autonomous networks. Similarly, its governance is conducted by a decentralized and international multistakeholder network of interconnected autonomous groups drawing from civil society, the private sector, governments, the academic and research communities, and national and international organizations. They cooperatively from their respective roles to create shared policies and standards that maintain the Internet's global interoperability for the public good.

WHO IS INVOLVED:

ICP

INTERNET ARCHITECTURE BOARD

Provides the technical and engineering leadership of the IETF and IRTF.

www.icp.org

ICANN

INTERNET CORPORATION FOR ASSIGNED NAMES AND NUMBERS

Manages the Internet's systems of domain names and IP addresses, including the registries, top-level domain names (including the DNS root zone).

www.icann.org

IETF

INTERNET ENGINEERING TASK FORCE

Develops and promotes a wide range of Internet standards dealing in particular with the Internet protocol suite. Technical documents influence the way the Internet is designed, used, and managed.

www.ietf.org

IGF

INTERNET GOVERNANCE FORUM

A stakeholder open forum for debate on issues related to Internet governance.

www.igf.org

INTERNET RESEARCH TASK FORCE

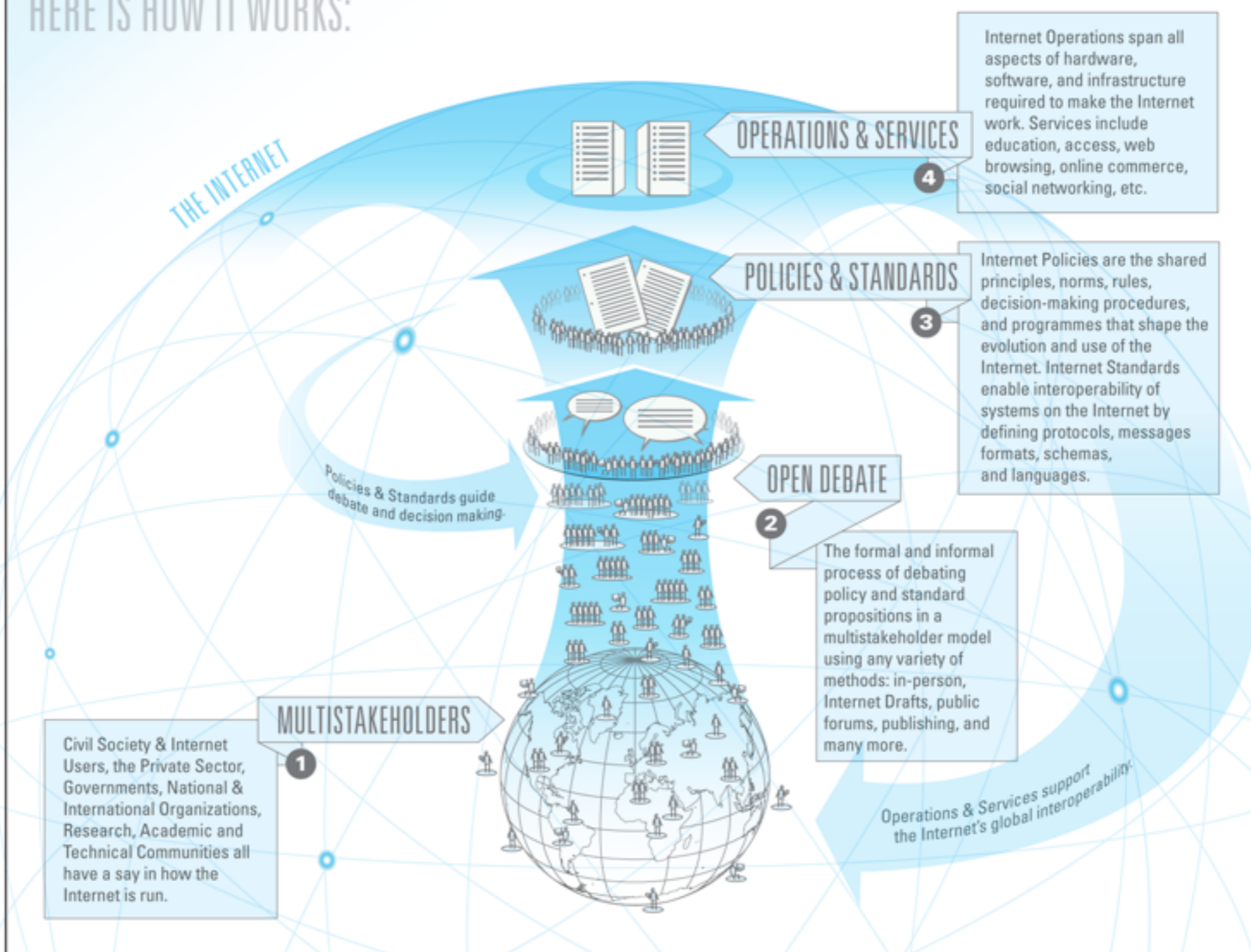
Conducts research on the evolution of the Internet by creating focused, long-term research groups working on topics related to the Internet, including protocols, applications, architecture and technology.

www.irtf.org

NATIONAL GOVERNMENTS AND INTERNATIONAL ORGANIZATIONS

Enacts laws, regulations and policies related to the Internet within their jurisdictions; participants in multilateral and multistakeholder regional and international Internet governance.

HERE IS HOW IT WORKS:



WHO IS INVOLVED:

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

Develops international standards. The ISO 3166 standard establishes internationally recognized codes for the representation of names of countries, territories or areas of geopolitical interest and their subdivisions. ISO 3166 does not establish the names of countries, only the codes that represent them. www.iso.org/iso/country_codes.htm

ISOC

INTERNET SOCIETY

Assures the open development, evolution and use of the Internet for the benefit of all people throughout the world. Currently has over 90 chapters in around 80 countries. www.internetsociety.org

RIRs

5 REGIONAL INTERNET REGISTRIES

Manage the allocation and registration of number resources, such as IP addresses, in their respective geographic regions of the world.

www.afrinic.net

Africa

www.apnic.net

Asia Pacific

www.arin.net

Canada & United States

www.lacnic.net

Latin America & Caribbean

www.ripe.net

Europe, the Middle East, and parts of Central Asia

W3C

WORLD WIDE WEB CONSORTIUM

Create standards for the world wide web that enable an Open Web Platform, for example, by focusing on issues of accessibility, internationalization, and mobile web solutions. www.w3.org

INTERNET NETWORK OPERATORS' GROUPS

Discuss and influence matters related to Internet operations and regulation within informal fora made up of Internet Service Providers (ISPs), Internet Exchange Providers (IXPs), and others.

LEGEND:

A Advice

C Community Engagement

E Education

O Operations

P Policy

R Research

S Standards

V Services



**Multi-
Stakeholder
Governance**

**University
Stewardship**

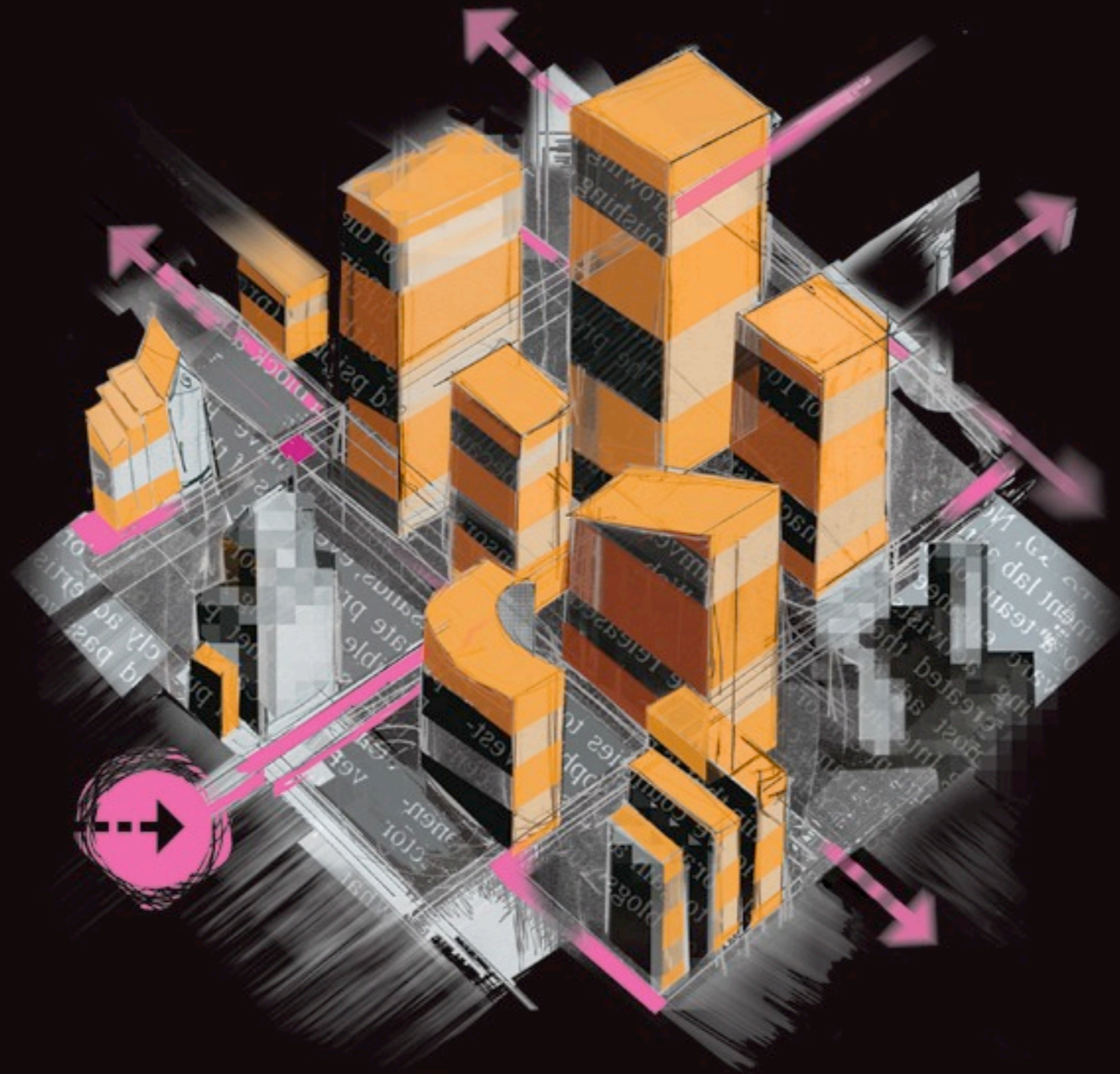
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Self-Governance**

**Arms-
Control**

**legal
safeguards**

**independent
oversight**

open source



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