KIBERTITKOK:
AMI A CHECKLIST-BŐL
KIMARADT

A KIBERBIZTONSÁG ÉS A TITKOK VISZONYA

Arthur Keleti

Cyber-Secret Futurist
ITBN CONF-EXPO - founder
KIBEV - president
T-Systems Hungary - IT Security Strategist

INTRODUCTION
What is a Cyber-Secret Futurist doing?

The Imperfect Secret

THREE OUT OF FOUR OF OUR MOST PRECIOUS SECRETS WILL BE COMPLETELY PUBLIC BY 2020, ARE WE READY?

Available at amazon

ARTHUR KELETI
— CYBER-SECRET FUTURIST —

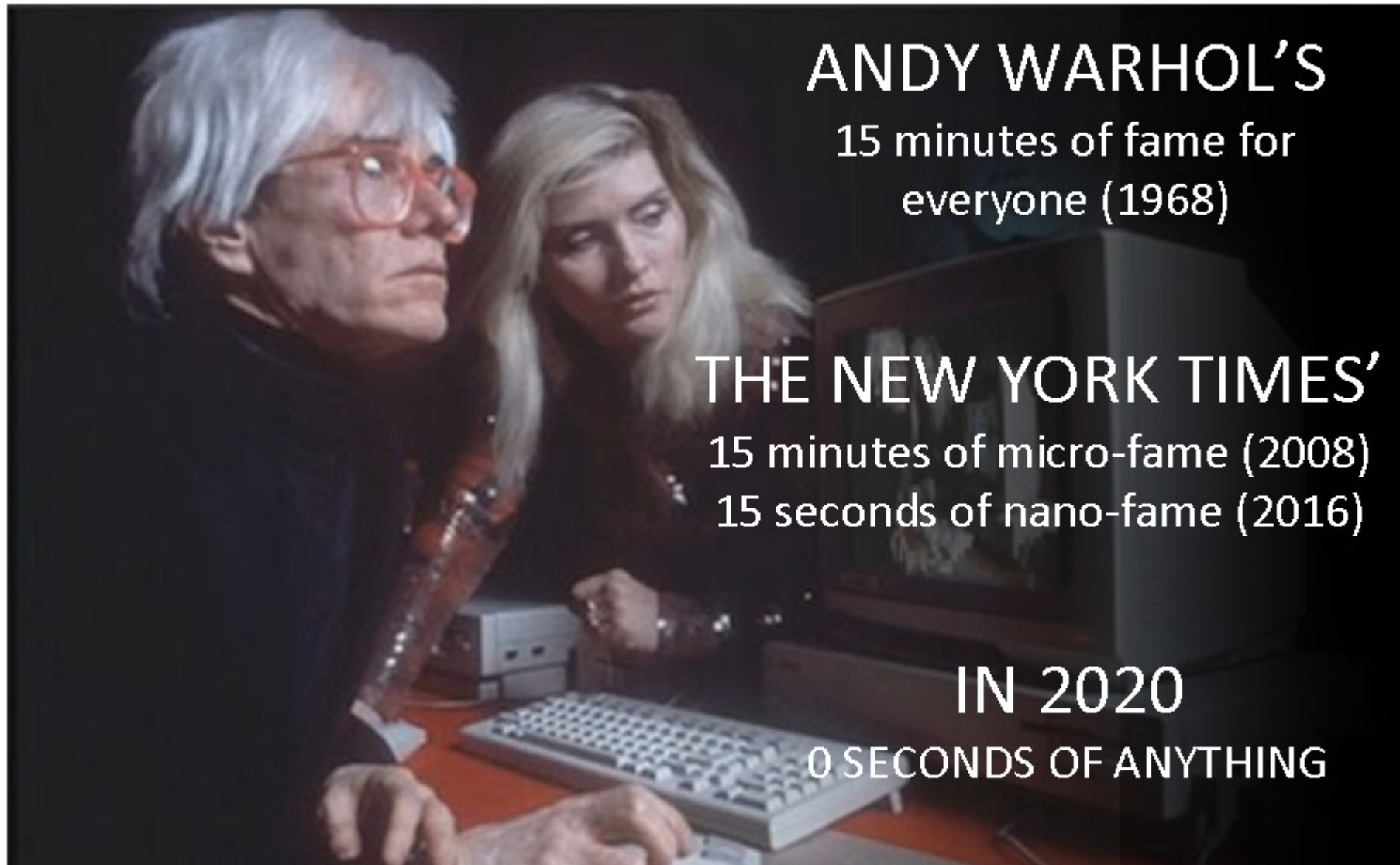# THE RENAISSANCE PRINCE AND THE "KNIGHTS" OF OUR AGE

ARTHUR KELETI
— CYBER-SECRET FUTURIST —

THE REAL CHALLENGE IS NOT HACKERS... IT'S US

- AMOUNT

- COMPLEXITY

- SPEED

- SOCIAL IMPACT

- PRIVACY SHIFT

- MISINTERPRETING

ARTHUR KELETI
— CYBER-SECRET FUTURIST —

ANDY WARHOL'S
15 minutes of fame for everyone (1968)

THE NEW YORK TIMES'
15 minutes of micro-fame (2008)
15 seconds of nano-fame (2016)

IN 2020
0 SECONDS OF ANYTHING

Picture source: wired.com

ARTHUR KELETI
— CYBER-SECRET FUTURIST —

HOW THIS TRANSLATES INTO OUR PROFESSION...

- No real remedy for Ransomware
- Attacks happen in real-time sometimes in minutes
- Most IT teams are not ready for 7x24 cybersecurity
- Advanced adversaries are hiding in systems for 200 days on average
- The world is super short on cybersecurity resources

"...first it gives me **a login**, then it gives me **a site key** I have to recognize

then it gives me **a password**.

So that is **enough**, don't ask me anything else."

- PARTICIPANT 109

Source: nist.gov

ARTHUR KELETI

CYBER-SECRET FUTURIST

Available at amazon

DO WE UNDERSTAND...

of what we are talking about?

"I have a son. He's 10 years old. He has computers. He is so good with these computers, it's unbelievable. The security aspect of cyber is very, very tough."
Donald Trump

"so complicated it is difficult to explain to people,"
Bill Clinton on Hillary's email scandal

Picture: cnbc.com

ARTHUR KELETI
CYBER-SECRET FUTURIST

DO WE HAVE THE POWER AND SKILLS...

to take matters into our hands?

General Keith Alexander
former Commander of
US. Cyber Command

General Michael Hayden
former Director of NSA

Pictures: wikipedia

ARTHUR KELETI
CYBER-SECRET FUTURIST

TRUMP WON:
THE ATTRIBUTION PARTY IS ON

CYBERSECURITY HAS GROWN UP

are we ready to be handled like this for good?

DEMANDS ARE CHANGING:
CAN WE SEE THE CONTEXT IN DATA?

CONTEXT

=

VALUE

Process of risk evaluation for secrets

CE CONTEXTUAL EVALUATION

WHO
WHEN
WHERE
...

NoE NORM EVALUATION

FOLKWAYS
(I.E. SHAKING HANDS)
MORES
(I.E. DISHONESTY)
TABOOS
(I.E. INCEST)
LAWS
(I.E. THEFT)
...

NeE NEED EVALUATION

PHYSIOLOGICAL
SAFETY
LOVE / BELONGING
ESTEEM
COGNITIVE
AESTHETIC
SELF-ACTUALIZATION
SELF-TRANSCENDENCE
...

ARTHUR KELETI
— CYBER-SECRET FUTURIST —

The Imperfect Secret

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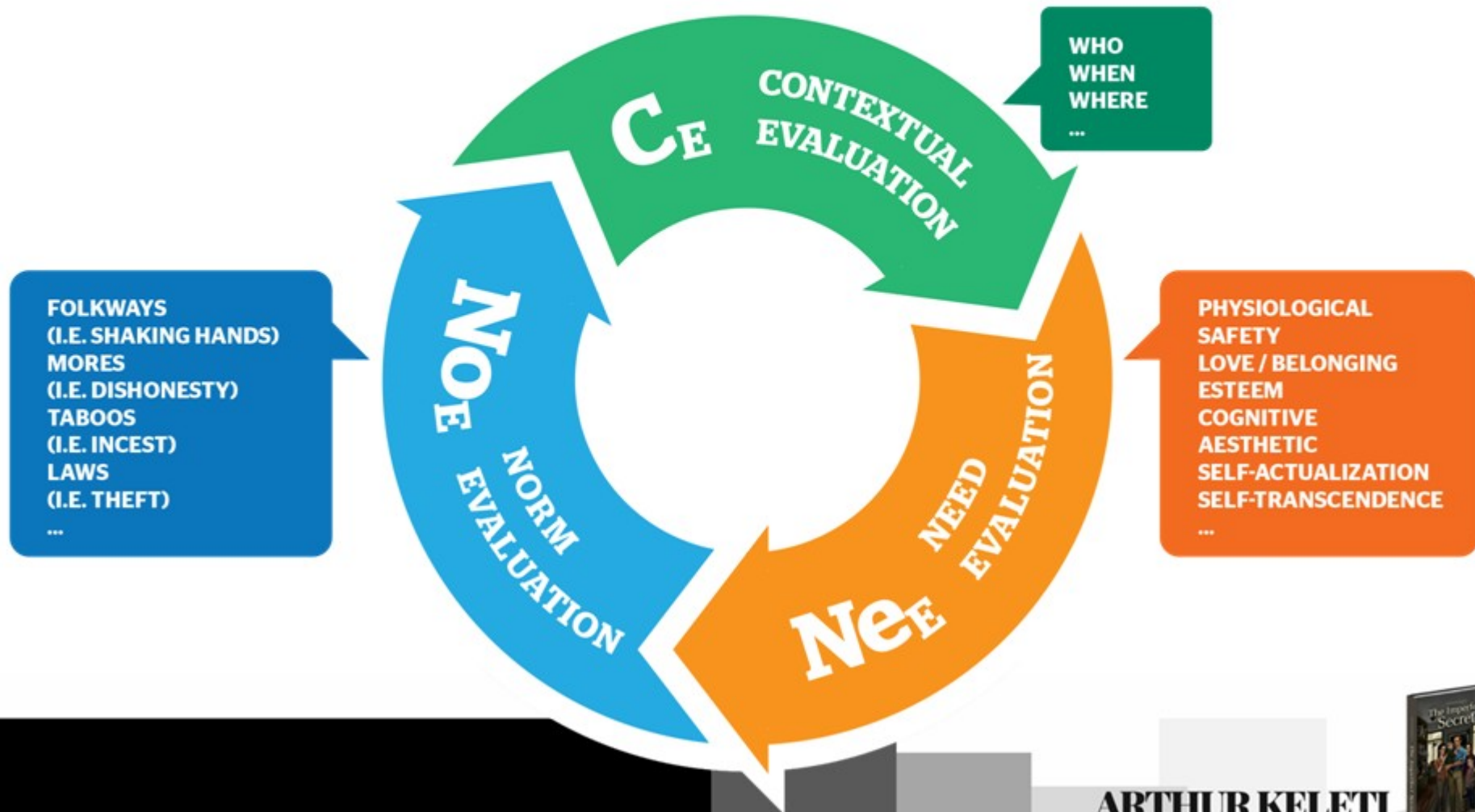
PO_E
PERSONAL /
ORGANIZATIONAL
EVALUATION /
ATTITUDE

UNPLEASANT
(EMBARRASING, TRAGIC)

BLACK SECRETS

GRAY SECRETS

WHITE SECRETS

S_RF

PERSONAL AND
ORGANIZATIONAL
RISK FACTOR
OF SECRETS

Murder

Major
downsizing
plan
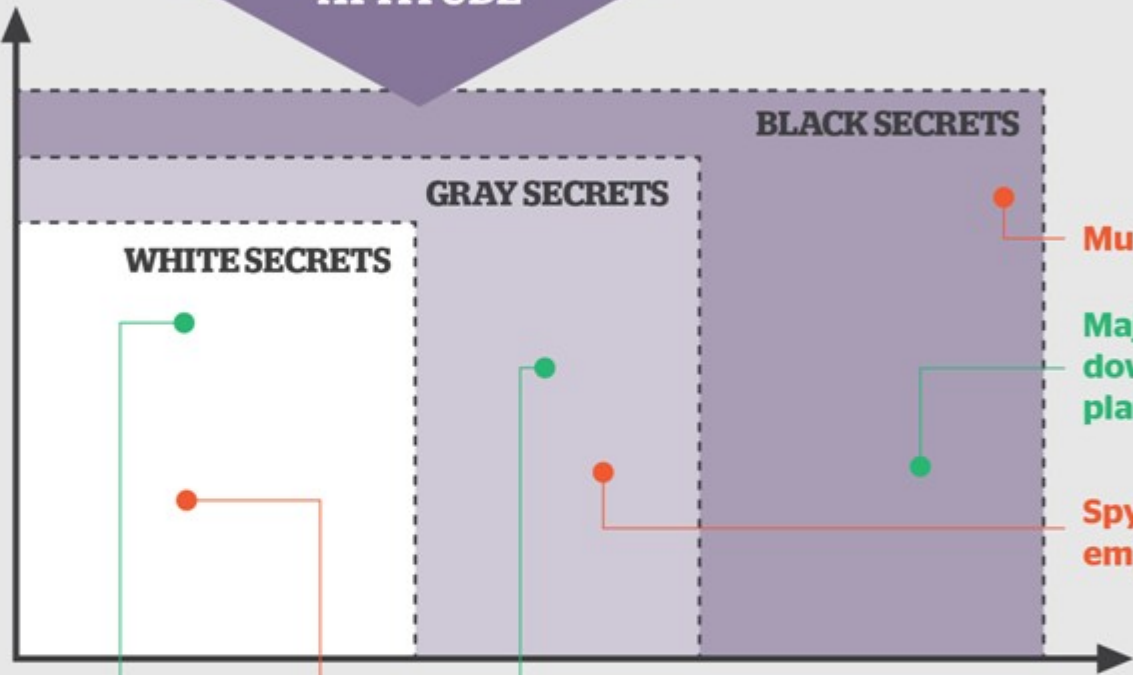
Spying on
employer

Office not
cleaned

Hiding
cookies

Boss has
no degree

PROBLEMATIC
(FURTHER COMPLICATIONS)

ARTHUR KELETI
CYBER-SECRET FUTURIST

WHAT ARE WE DOING WRONG?

Let's be honest

ENCRYPTION

RISK ANALYSIS
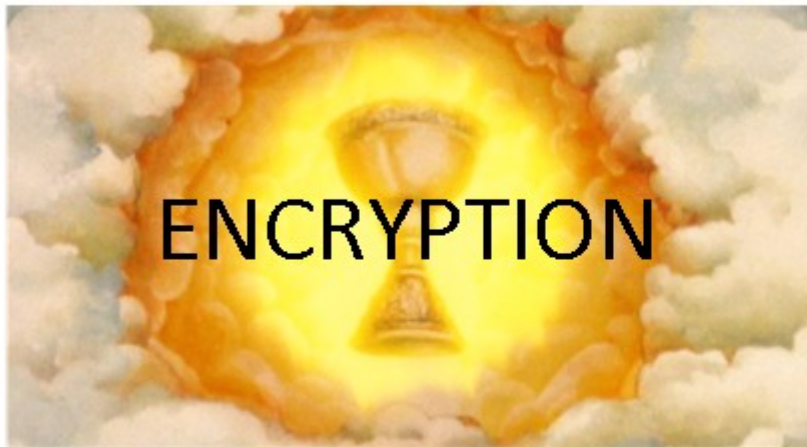
Picture sources: Monthy Python and the Holy Grail

PROPORTIONATE PROTECTION

SECURITY AWARNESS

ARTHUR KELETI

CYBER-SECRET FUTURIST

Available at amazon

PEOPLE DON'T HAVE DATA, COMPANIES DON'T HAVE INFORMATION, THEY HAVE SECRETS

ARTHUR KELETI

CYBER-SECRET FUTURIST

Available at amazon

THE FUTURE OF SECRETS

SOLVING PARADIGMS

LEVEL 1: CYBER-SECRET PARADIGM

CYBER-SECRET RECOGNITION
AUTONOMOUS SOFTWARE FOR WARNING

LEVEL 2: PRIVACY VS SECURITY ISSUE

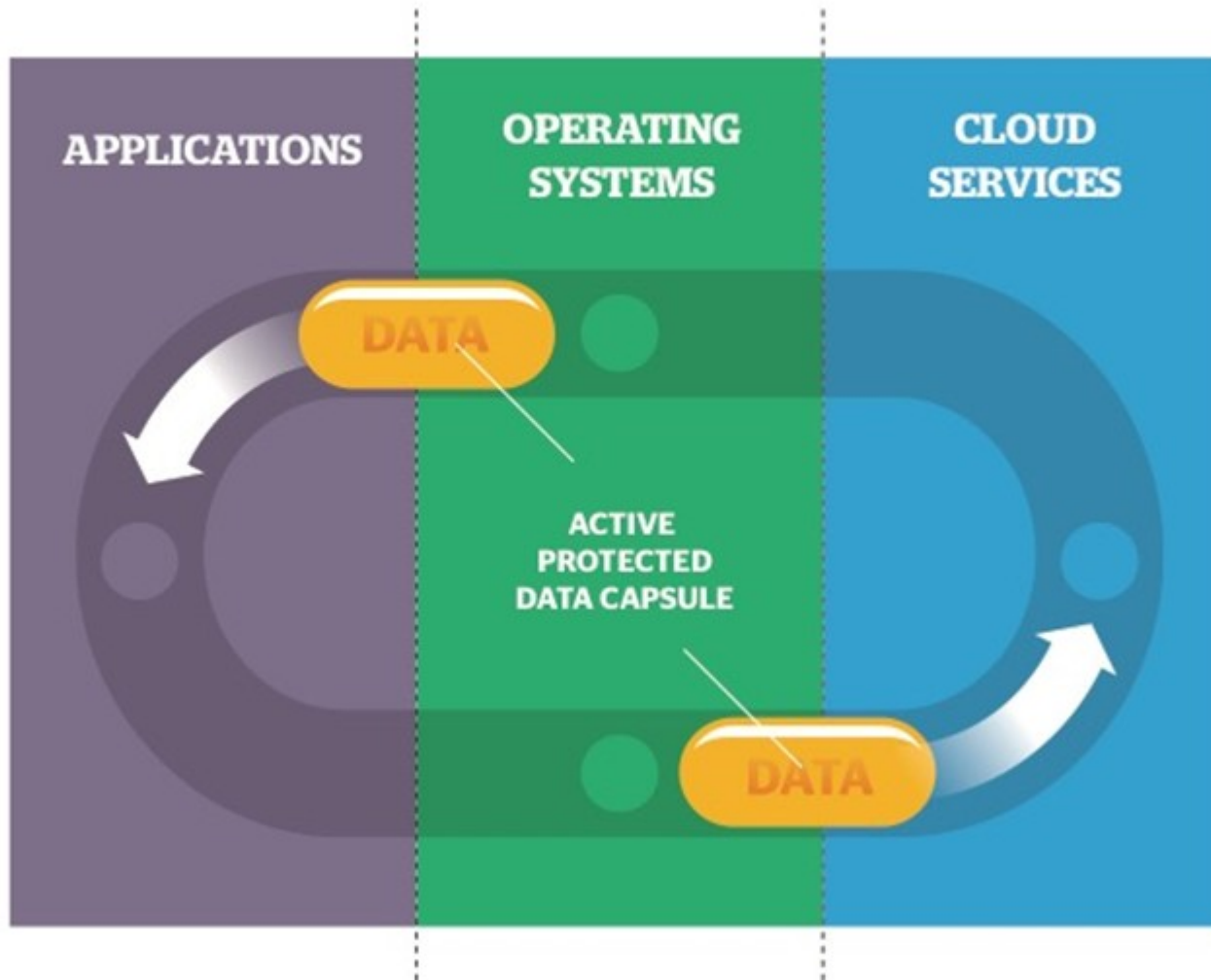ARTIFICAL INTELLIGENCE – DIGITAL ASSISTANT
SUSPICIOUS USER ACTIVITY HANDED OVER
ON DEVICE SEARCH WARRANT

Self-protecting data structure

APPLICATIONS

OPERATING SYSTEMS

CLOUD SERVICES

DATA

DATA

ACTIVE
PROTECTED
DATA CAPSULE

LETI

CYBER-SECRET FUTURIST

Available at
amazon

FOR THE FIRST TIME IN OUR HISTORY IT MAY BE THAT MACHINES WILL HELP US TO RESOLVE THE HUMAN DILEMMAS THAT WE CAN NO LONGER SOLVE AMONG OURSELVES

STAY VIGILANT,
A NEW WORLD IS COMING!