EMPOWERING GOVERNMENTS WITH MODERN TECHNOLOGY

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AT INTEL

WE'RE POWERING THE FUTURE OF COMPUTING AND COMMUNICATIONS, DELIVERING EXPERIENCES ONCE THOUGHT TO BE IMPOSSIBLE.

SILICON BROUGHT US THE THIRD INDUSTRIAL REVOLUTION

IT IS NOW USHERING IN THE FOURTH REVOLUTION

INFORMATION AGE TO DATA AGE

BIOLOGICAL, PHYSICAL, AND DIGITAL

100B CONNECTION POINTS

THE ECOSYSTEM RESHAPED

We're moving into a world where machines and software can analyze (see patterns that were always hidden before); optimize (tell a plane which altitude to fly each mile to get the best fuel efficiency); prophesize (tell you when the elevator will break and fix it before it does); customize (tailor any product for you alone); and digitize and automate just about any job. This is transforming every industry.

ANALYZE - OPTIMIZE - PROPHESIZE - CUSTOMIZE - DIGITIZE

From the New York Times, "Climate Shifts Aren't Limited to Weather," Thomas L. Friedman, 2 August 2017:

BY 2020

AVG. INTERNET USER	1.5 GB OF TRAFFIC / DAY
AUTONOMOUS VEHICLES	4 TB OF DATA / DAY*
CONNECTED AIRPLANE	5 TB OF DATA / DAY
SMART FACTORY	1 PB OF DATA / DAY
CLOUD VIDEO PROVIDERS	750 PB OF VIDEO / DAY

FLOOD OF DATA

*Estimate based on the average vehicle being operated 1-2 hours per day
Source: Amalgamation of analyst data and Intel analysis.

GOVERNMENTS' CHALLENGES

SECURITY

ATTACKS INCREASING IN FREQUENCY & SOPHISTICATION

In the first quarter of 2017, **new malware** emerged every **4.2 seconds**

GData, Malware Trends 2017, 2017

HOW IS THE SECURITY LANDSCAPE SHIFTING?

1 Identity breach

2 Plant malware

3 Gather data

4 Steal data or lock it down

81% OF BREACHES in 2017
started with stolen or weak credentials[1]

90% OF INCIDENTS
result from exploits in software[2]

SOFTWARE BASED ATTACKS

General Data Protection Regulation

PCI Security Standards Council™

FISMA COMPLIANCE

NIST

INCREASING REGULATION

WORLDWIDE SECURITY SPENDING

2017: ~$102 BILLION[3]

2018: ~$114 BILLION[3]

2019: ~$124 BILLION

15% CAGR

INCREASED SPENDING

Sources: 1) Verizon 2018 Data Breach Investigation Report (DBIR)
2) McAfee Labs Threat Report, June 2018
3) Gartner Press Release, August 15, 2018

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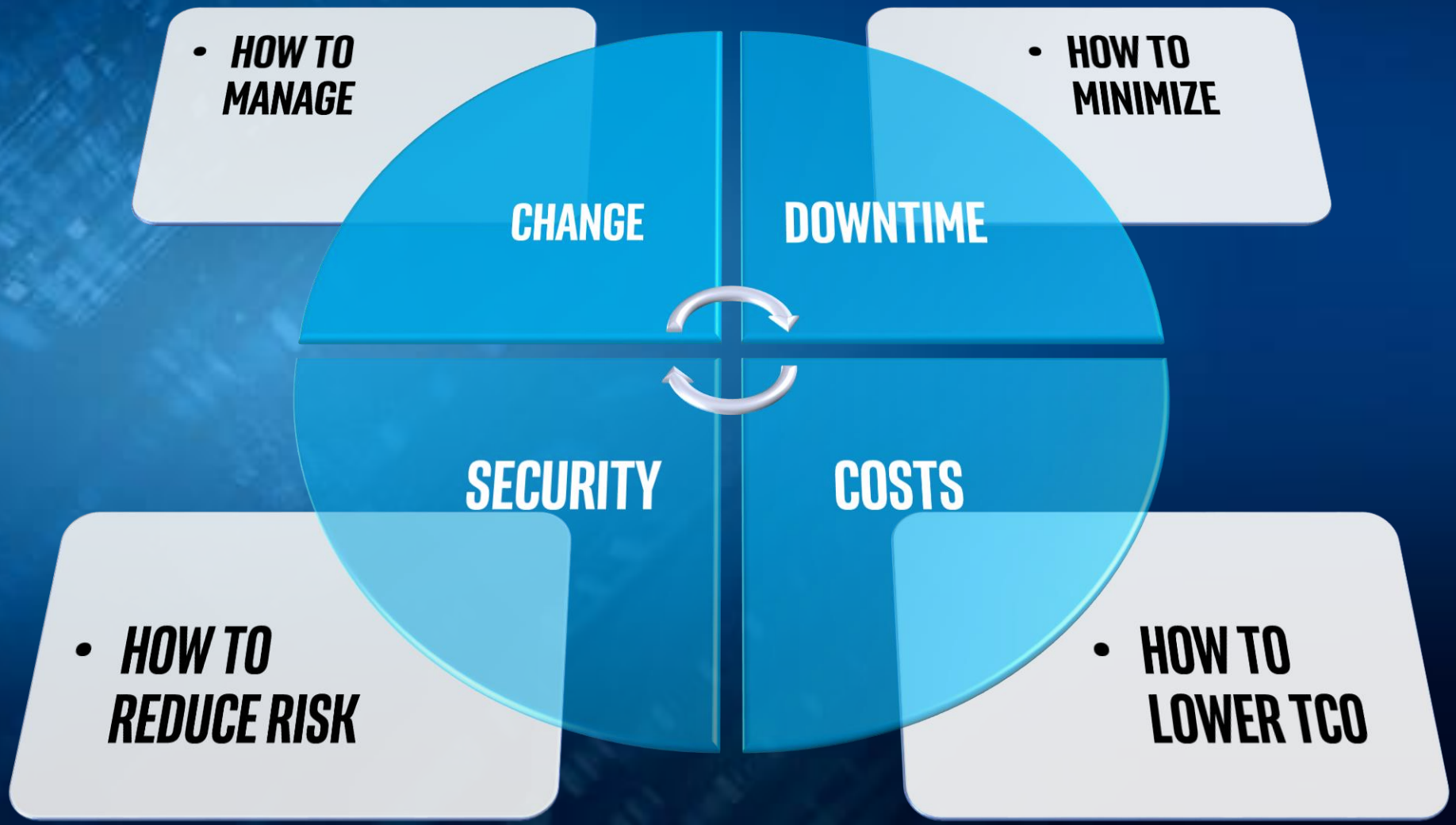
GOVERTNMENT COMPUTING PRIORITIES



THE PLATFORM BUILT FOR BUSINESS

Hardware, technologies and solutions for business computing endpoints

BUILT FOR BUSINESS

Features that enable, accelerate or complement Windows* 10 Pro/Enterprise

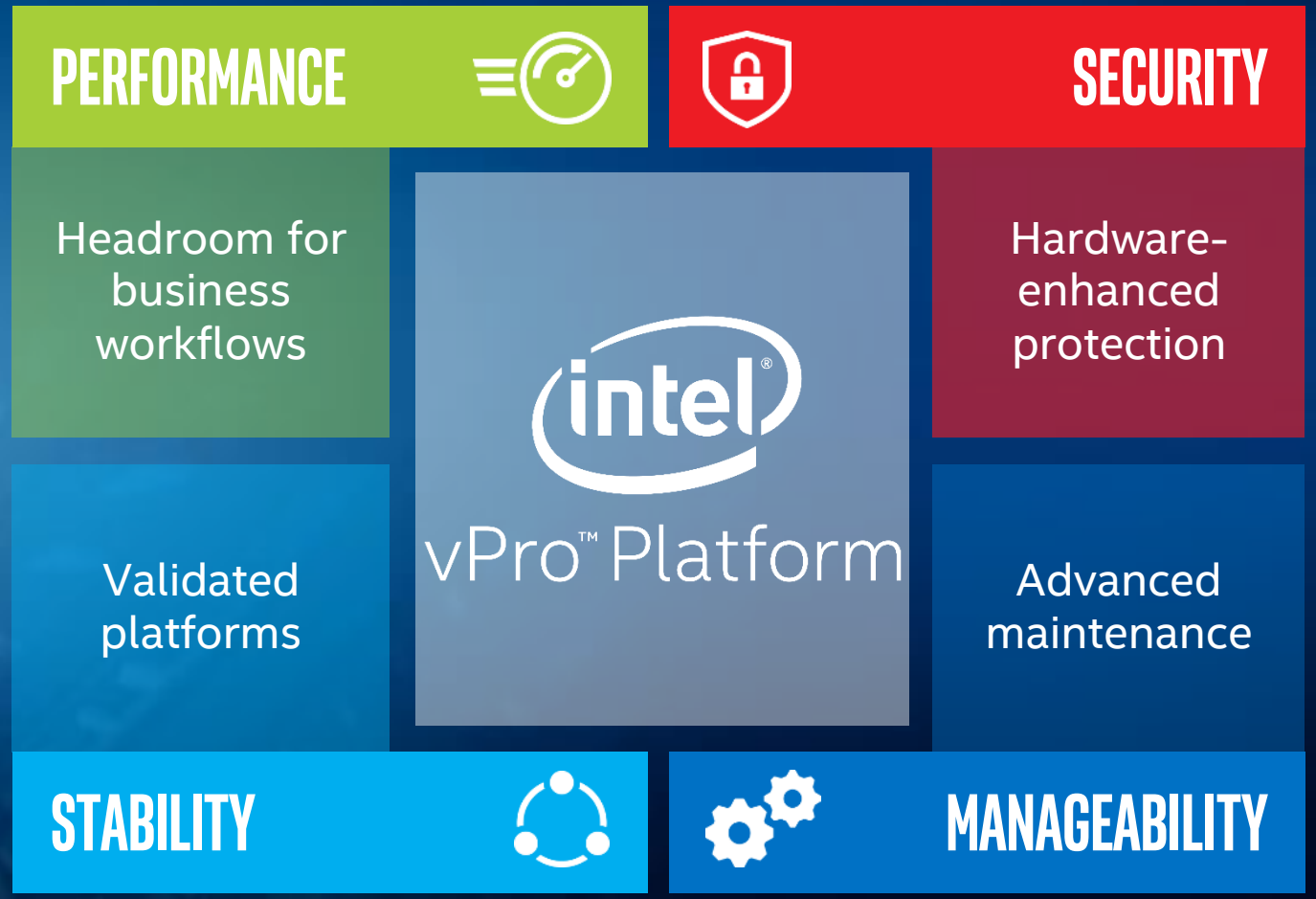
BROAD MARKET SUPPORT

Over 100 new systems every year from top manufacturers

VERIFICATION PROGRAM

Formal brand requirements and testing program to verify functionality

MORE INFO at intel.com/vpro



- Other names and brands are property of their respective owners

SKILLS NEEDED FOR TODAY AND MORE IMPORTANTLY FOR FUTURE

Technology Rapidly Reshaping Businesses & Governments

Technology Continues to Rapidly Reshape the Workplace

50% of workers could be replaced today with current automation (McKinsey)

85% Percentage of customer interactions managed without a human by 2020 (Gartner)

Potential Jobs automated by 2030 (PwC)

38% in U.S.

35% in Germany

30% in U.K.

20% in Japan

Technology-Enabled Learning Skills Development

BLOOM'S TAXONOMY

CREATING
design | build | construct | invent

EVALUATING
critique | assess | judge

ANALYZING
examine | compare | organize

APPLYING
apply | solve | calculate

UNDERSTANDING
interpret | explain | discuss

REMEMBERING
describe | recall | define

HIGHER-ORDER THINKING AND SKILLS

Solutions for Skill Building

SOLUTION GOALS

LEARNING & TEACHING ENVIRONMENT

SOLUTIONS TO ENSURE

Reliability & Scalability

Security

Collaboration

STUDENTS

SOLUTIONS TO PRACTICE

Creativity & Modeling

Design/Computation Thinking

Coding/Programming

EDUCATORS

SOLUTIONS TO EMPLOY

Immersive Content

Personalized/
Adaptive Learning

Skills/Risks Assessment

INNOVATION TO ENABLE PUBLIC SECTOR MISSION OUTCOMES

CLIENT SOLUTIONS | IOT SOLUTIONS | DATA CENTER SOLUTIONS | NEW TECHNOLOGIES | MEMORY SOLUTIONS | PROGRAMMABLE SOLUTIONS

VIRTUAL REALITY

AUTONOMOUS DRIVING

5G CONNECTIVITY

ARTIFICIAL INTELLIGENCE

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INTEL DELIVERS END TO END PLATFORMS

DEVICES/EDGE

NETWORK

CLOUD/DATA CENTER

MEMORY

4G/5G

SOFTWARE

THANK YOU!
COLLABORATION & PARTNERSHIP ARE CRITICAL
TO OUR COLLECTIVE SUCCESS
IMAGINE WHAT'S POSSIBLE BOTH NOW...
...& IN THE FUTURE