



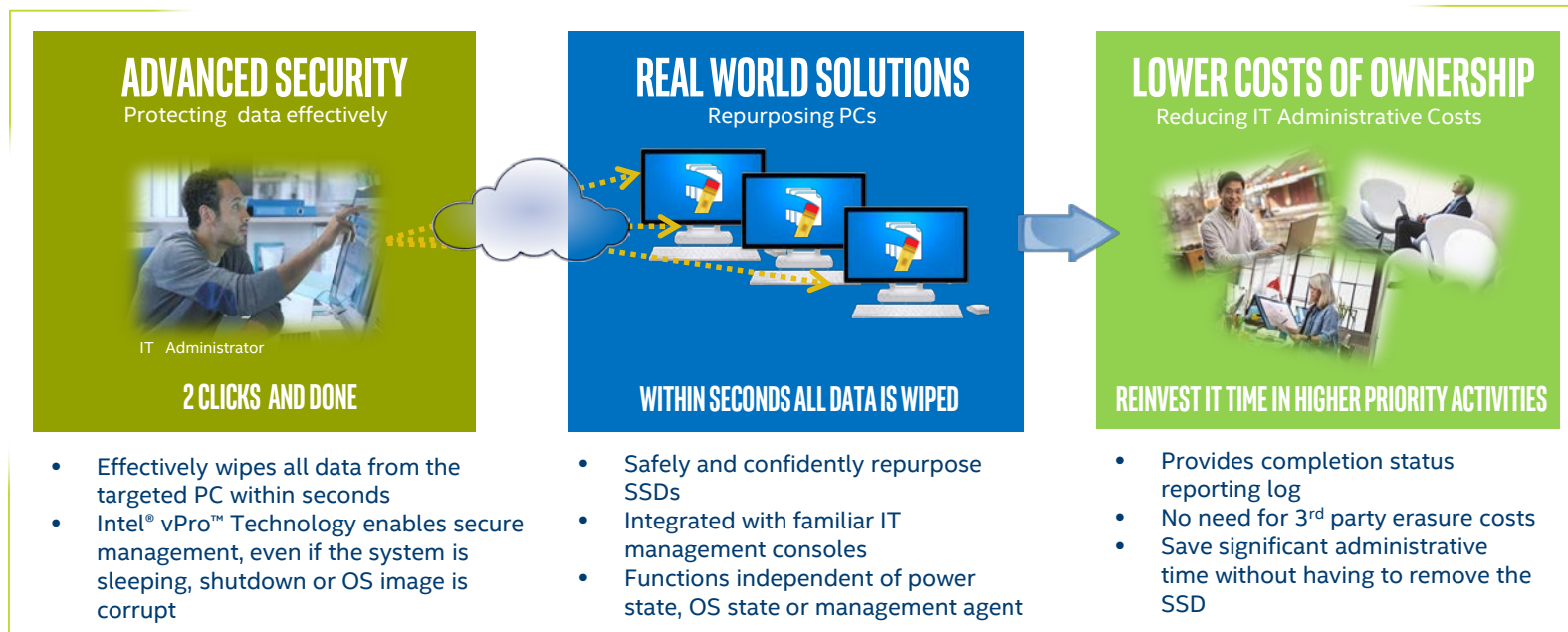
# INTEL<sup>®</sup> REMOTE SECURE ERASE

February 2016

# Intel® Remote Secure Erase

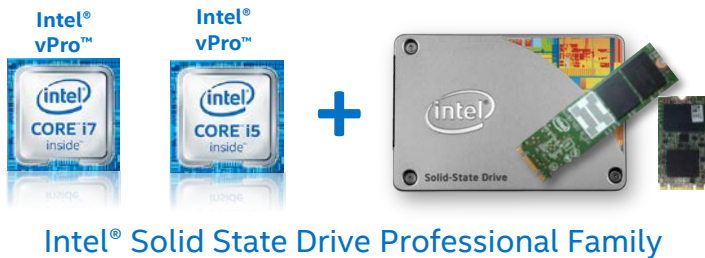
## An exclusive feature of the Intel® SSD Professional Family

When a PC is retired or repurposed, information security policies often require data to be “wiped” from the drive. Wiping can be difficult and time consuming. Intel® Remote Secure Erase offers a better solution.



***Providing IT administrators a method for wiping an Intel SSD with a familiar IT management console when retiring or repurposing a system***

# Intel® Remote Secure Erase – Vision



## Better Security Coverage

*Plug Industry Known Security Gaps*



## Better User Experience

*Improve Security User Experience  
No compromise in Performance*



## Better IT Solutions

*Solve IT Pain Points*

*Better Solutions by being Platform Connected*

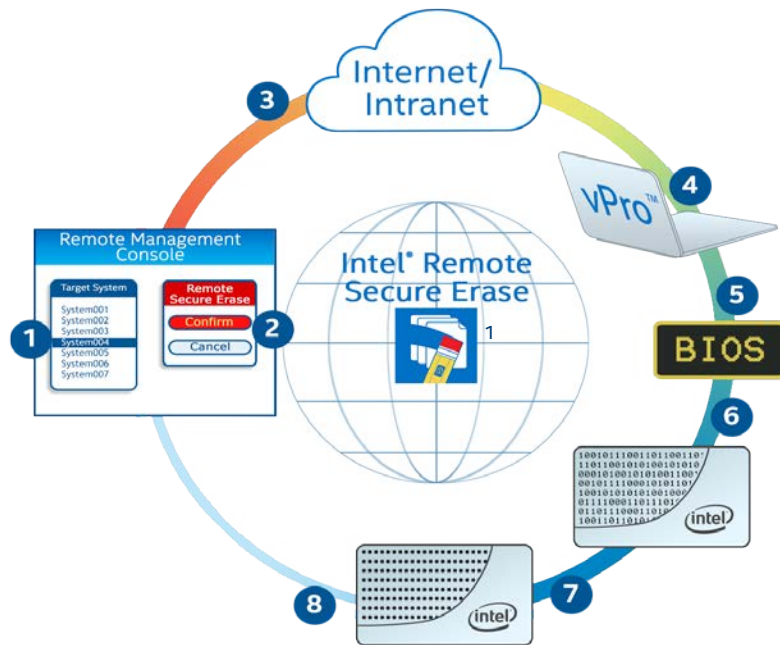
# Intel® Remote Secure Erase – How it Works

An exclusive feature of the Intel® SSD Professional Family

| Simple 2-Step Process to Initiate |                                    |
|-----------------------------------|------------------------------------|
| 1                                 | Select target system(s)            |
| 2                                 | Send "remote secure erase" command |



| What Happens Behind the Scenes |  |
|--------------------------------|--|
| 3                              | Intel® AMT management console locates target system(s) by means of internet / intranet |
| 4                              | Command received on vPro™ equipped system  |
| 5                              | Intel® AMT passes command to BIOS  |
| 6                              | BIOS sends secure erase command to SSD   |
| 7                              | Data is erased and encryption key is deleted   |
| 8                              | BIOS confirms completion status to remote console                                      |



<sup>1</sup> Intel® SSD Professional Family, compatible PC and management software with an AMT activated environment are required

**Seamless integration with familiar IT management console!**

# BACKUP

# Intel® Remote Secure Erase – Ecosystem Readiness

Uncompromised Quality ▪ Trusted Brand ▪ Platform Connected

## OEM Partner\*

# Lenovo

### OEM Platform provides:

- Compatible Intel® SSD
- Intel® Remote Secure Erase compatible PC and
- Intel® Active Management Technology compatible systems

## Software ISV Partners\* (select one of the following)



### Software includes:

- Compatible management software
- AMT activation capable

\* Other names and brands may be claimed as the property of others.

# Intel® Remote Secure Erase – Repurposing Mixed Use Cases

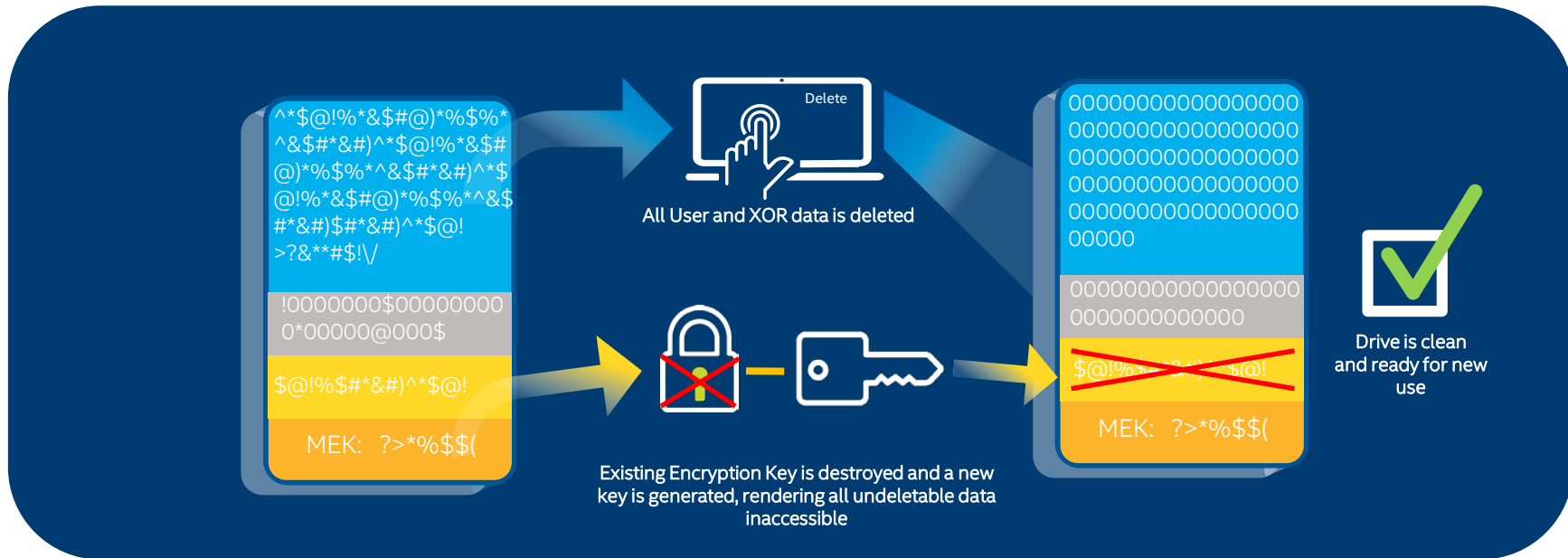
Uncompromised Quality ▪ Trusted Brand ▪ Platform Connected

Benefits of the Intel Remote Secure Erase solution:

|                       | Agent-based Solution | Intel® Remote Secure Erase Solution | Intel Advantage   |
|-----------------------|----------------------|-------------------------------------|---|
| Erase method          | Crypto-erase         | Crypto-erase + <b>NAND erase</b>    | An extra level of protection when protecting data. A validated solution |
| Power state support   | PC on                | PC on <b>or off</b>                 | The ability to manage the PC (and wipe the drive) even if the PC is off |
| OS + management agent | Required             | <b>Not required</b>                 | Works even if the OS or management agent are non-existent or corrupt    |

*A robust security solution that meets IT's most demanding needs*

# Intel® Remote Secure Erase – How Secure Erase Works



- User data
- System data
- Original MEK
- New MEK



