

# Deliver Secure Cloud Computing with Oracle Solaris and SPARC M7 Software in Silicon

## A Secure Path to the Cloud

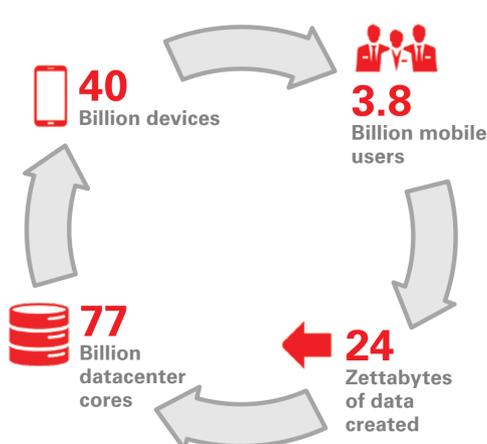
Oracle's SPARC M7 processor, with Oracle's Software in Silicon technology, is the industry's most advanced multithread, multi-core processor with unique capabilities for information security. It sets the foundation for mission-critical cloud-based server infrastructure with unprecedented levels of security, efficiency, and performance.

### MARKET FORCES DRIVING CHANGE

Managing and Securing Data is Crucial.

#### Massive Growth<sup>1</sup>

Based on 2014-2018 IDC Oracle Briefing, Jan 2015



#### Increased Vulnerability



### DESIGNED FOR SECURITY

Oracle SPARC M7 systems with built in security features enable "Encryption by default" - making it possible for you to encrypt everything on the wire, everything on disk, everything you're doing.



Eliminate the performance and cost barriers typically associated with secure computing



Crypto instruction accelerators integrated directly into each processor core



Broadest set of ciphers for all your application needs

### BREAKTHROUGH SECURITY FEATURES

Technology that delivers.



#### Silicon Secured Memory

First hardware based memory protection preventing unauthorized access



#### Simple Compliance Reporting

Only platform with PCI-DSS built-in

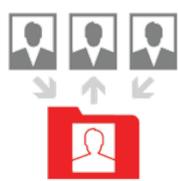


#### Hardware Enabled Secure Live Migration

VM encrypted for transmission over network

### ORACLE SOLARIS SECURITY FEATURES

Helps to mitigate credential abuse or misuse.



Activity Based User Access



Control when users can perform actions



Tamper resistant true remote auditing and logging

### FULLY INTEGRATED SECURITY

End to end security is now possible.



Protect All Your Databases, All The Time



Encrypt The Entire Information Lifecycle Without Performance Penalties



Enable "Encryption By Default" Anywhere and Everywhere.

### DELIVERING SECURE CLOUD SOLUTIONS



#### The World's First Software in Silicon for Database and Applications

Oracle's software in silicon technology is truly revolutionary for providing security and workload performance increases beyond the scale of traditional new processor technology improvements. It was the vision of Oracle over 4 years ago to integrate application acceleration and security capabilities at the processor level, which enables the highest levels of security and the highest application performance levels.

Software in Silicon technology is an example why Oracle software runs best on Oracle systems and will be incorporated across Oracle systems and software products including engineered systems and operating systems.

LEARN MORE

<sup>1</sup> Massive Growth: Market Forces: 2014-2018- IDC Oracle Briefing, Jan 2015

<sup>2</sup> MandiantThreat Landscape Report

<sup>3</sup> [http://www.verizonenterprise.com/resources/infograph-ics/fig-understanding-the-real-risk-of-data-breach\\_en\\_xg.pdf](http://www.verizonenterprise.com/resources/infograph-ics/fig-understanding-the-real-risk-of-data-breach_en_xg.pdf)

<sup>4</sup> <http://public.dhe.ibm.com/common/ssi/ecm/se/en/sew03074usen/SEW03074USEN.PDF>