5 Reasons

To Develop Business-critical Applications on Oracle SPARC and Oracle Solaris

Big data, social business, mobile applications, and cloud have revolutionized IT and are impacting your job as a developer. These all rely greatly on the performance and analytics capabilities of your hardware, and are only as secure as their weakest link. Does your IT infrastructure deliver the capabilities you need to get the best from these technologies?

Developers are building next generation enterprise applications on SPARC running Solaris.

1. Effortless security for your applications.

Security is paramount in today's IT landscape, and protecting your data and applications is critical. Moving and storing unencrypted data makes it highly vulnerable to attack, so how can you protect your data without impacting application performance?

By deploying SPARC servers with built-in encryption you can dramatically improve application and data security while gaining significant performance improvement. What's more, Software in Silicon features and Solaris innovations secure your data in storage, in transit, and in memory.

> **"Integrating SPARC M7 and Oracle Solaris 11 provides a wide set of security tools and options to protect your data from many common vulnerabilities that put organizations on data breach lists."**

Enhanced Data Center Security with Oracle SPARC and Oracle Solaris, Coalfire, 2016

2. Take data analytics to new levels.

Are you looking for real-time access to corporate databases so you can make fast, accurate decisions? Most analytics solutions need to extract data from operational databases and load it into data warehouses—often containing stale data.

The unique Software in Silicon features of SPARC servers accelerate database queries and offer up to 10× memory decompression for greater analytics performance. As a result, you benefit from real-time analytics and faster business insights.

> **"We achieved results which were about 83× faster. That's what actually encourages us to look at OLAP and OLTP on M7 as a winning formula for our customer success."**

Krishna Tangirala, Chief Technology Officer, B&H Photo Video

3. Open for business.

Do you want to develop and run your own software and avoid expensive license fees? Do you want to prevent software vendor lock-in, and easily modify and adapt your software to meet your changing business requirements?

With SPARC servers running Solaris, developers are free to adopt open source software, and take advantage of innovative new security and analytics capabilities on your own scripts. You can also deploy modern open source solutions like OpenStack.

Oracle provides open APIs for its software stack and open source APIs for innovative SPARC features like database acceleration (Open DAX). Oracle Solaris provides support for important open source solutions like OpenStack, Puppet and Chef.

4. Write better code, faster.

When you get new applications completed fast, you get quicker returns and maximum value. So, how do you make your developers as efficient as possible?

Oracle Developer Studio provides a full suite of development and observation tools that provides secure coding guidelines and built-in code analysis. Running on SPARC servers, you also get Silicon Secured Memory that can prevent buffer-related threats by quickly locating security-related coding errors.

> **"The Oracle Developer Studio development tools are world class; we use the Performance Analyzer on Oracle Solaris to tune and optimize our applications which also typically yields performance benefits across all of our platforms. We've seen impressive long term and consistent innovation for both Oracle Developer and Oracle Solaris."**

Bob Huemmer, Software Development Manager, SAS

5. SPARC in the cloud.

You're running business-critical UNIX applications and you need to move them to the cloud—but can you? You need to find a simple way to increase agility, lower your capital expenditure, and increase your time to production.

Because we use the same technology on-premises and in our cloud, SPARC servers offer a clear path to the Oracle Cloud. Developing applications on SPARC and Solaris means you can migrate them to the Oracle Public Cloud any time, without modifications or losing out on any SPARC enterprise capabilities.

> **"Oracle provides solutions for both the enterprise and cloud provider, and produces both SPARC and x86-based systems. In fact, the Oracle Compute Cloud Service delivers SPARC capacity at x86 service price. This provides organizations with a choice when one option suits better than the other."**

Roy Illsley, Principle Analyst, Infrastructure Solutions, Ovum

To find out more, visit
www.oracle.com/sparc