

SWORD

ACTIVE RISK

Active Risk Manager & Amazon Web Services

Hosted Software is an increasingly popular delivery model for a wide range of business applications. Hosted - or cloud computing as it is often called – provides an opportunity to replace high infrastructure expenses upfront. With Active Risk Manager (ARM) Cloud offering, businesses no longer need to plan for and acquire IT infrastructure, which lessens the burden for IT and allows concentration to be focused on innovation instead. In order to provide a cloud version of our application, Sword Active Risk work with Amazon Web Services.

What is Amazon Web Services?

Amazon Web Services in the form of IT infrastructure services began to be offered by Amazon in 2006. Amazon Web Services provides a low-cost, scalable and highly reliable infrastructure platform. Today, this has been adopted by thousands of businesses globally.

US, Europe, Australia, Japan, Singapore and Brazil are among the datacentre locations. The locations available for the ARM and Amazon Web Services offering are widespread to make sure the system is robust and secured against the impact of outages or other such problems.



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Many businesses benefit from the distinctive advantage of ARM in conjunction with Amazon Web Services, and choose to include it in their IT mix – this eliminates the extensive processes of planning, hiring, budgeting, operating, procuring, deploying and setting up a new project. By utilising ARM and Amazon Web Services, deployment can begin immediately – there is no shortage of storage space since the cloud provides you with the equivalent of thousands of servers. Once you get started, ARM Cloud offering makes productivity easy, whether you are looking to host a live or a sandbox solution.



Adopting the ARM Cloud model offered by Sword Active Risk in combination with Amazon Web Services can result in many potential benefits for businesses. Some of these include:

Benefits at a Glance

Cost savings

Moving from the capital-heavy expense of installing, maintaining and upgrading on-premises IT infrastructure to the operational cost of an Amazon Web Services hosted is a tempting business proposition.

Software Updates

Sword Active Risk as an Amazon Web Services partner deals with hardware and software updates, removing a significant workload from your in-house IT department (whose extra human bandwidth can, in theory, be released for different tasks, such as integration with existing on premise applications).

Accessibility

A browser and an internet connection is all that is required to access an ARM application hosted on Amazon Web Services, which can therefore be made available on a wide range of desktop and mobile devices (RiskExpress only on mobile).

Resilience

As the IT infrastructure, and your data, resides in the Amazon Web Services datacentre, if a disaster were to strike your business premises, ARM can be back up and running relatively easily from any location with internet-connected computers.

Reliable

With ARM & Amazon Web Services, you can take advantage of a scalable, reliable, and secure global computing infrastructure, based on the virtual backbone of Amazon.com's multi-billion dollar online business that has been honed for over a decade.

Data mobility

If you wish to cease hosting your ARM application, we are able to provide you with your data and content.

Secure

ARM on Amazon Web Services utilizes an end-to-end approach to secure and harden our infrastructure, including physical, operational, and software measures. SAS 70 Type II, PCI DSS Level 1, HIPAA, FISMA Moderate and ISO 27001 are among the well-recognized certifications that Amazon Web Services has. To ensure the safety and integrity of your data, Amazon's data centres and services have several layers of physical and operational security. It ensures the availability, integrity and confidentiality of your ARM application data and provides 'end to end' privacy and 'end to end' security – making it a durable and secure technology platform.

Scalable and high-performance

As an ARM and Amazon Web Services customer, you are not limited to a set amount of computing resources, bandwidth or storage. The ability to scale computing resources downwards or upwards without difficulty and with very little friction is known as elasticity. ARM is backed by Amazon's massive infrastructure, ensuring you have access to compute and storage resources when you need them. As your business grows, rather than investing in additional in-house server capacity - your requirements are automatically met.

Easy to use

ARM and Amazon Web Services is a quick and secure host application offering for your risk environment, which is managed by SAR.

Conclusion

Amazon Web Services is a secure service that can enable you to reduce the costs of infrastructure (such as servers) along with savings on the number of staff required to build and maintain them.

Penetration Testing

ARM Software is used by many of world's leading defence manufacturers and is regularly pen tested by the Supplier's customers. For example ARM 6.0 has been scanned by USAF using HP Fortify, while penetration testing has also be undertaken by NCC Group, on behalf of a customer. The Supplier has also commissioned design reviews and penetration tests with the NCC Group. The Supplier summarises and shares the findings of penetration tests and discloses all known security threats.

Customer-instigated penetration testing can be accommodated but it must be coordinated and authorised by Amazon Web Services, as unauthorised port scans will be blocked. Furthermore, penetration tests may incur additional services charges payable by the Customer to the Supplier. The ARM environment is port scanned every month by RandomStorm.

Encryption

Data in-flight is encrypted over industry standard HTTPS.

Data within S3 (e.g. database backups) is encrypted using AES-256.

Anti-Virus

All ARM Services are protected by up to date anti-virus checkers.

DNS Security and Certificates

The Supplier owns the domain names and certificates required to access the ARM Services.

Data Security, Residency and Ownership

Customer personal data is owned by the Customer. All Supplier employees are regularly reminded of their responsibilities under the Data Protection Act. Amazon employees cannot access data controlled by the Supplier.

The Customer decides which region it wants data to reside in. Personal data of the Customer can only reside in one region and will not be moved outside of the chosen region.

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