



# Amazon Web Services & SAP BW/4HANA

Drive New Value with SAP's Next Generation Data Warehouse and the AWS Cloud



As enterprises look to drive new value from their data, they face a multitude of challenges. Data lives in more disparate locations than ever, it is produced at unprecedented rates, and emerging technologies generate new data types. Many organizations are still running legacy hardware solutions, which can be slow, expensive to maintain, and difficult to scale, further complicating these issues.

SAP BW/4HANA on Amazon Web Services (AWS) pairs the Next Generation Data Warehouse with a performant, cost-effective, and rapidly scalable cloud infrastructure. With this SAP HANA-optimized solution, you can solve analytical problems in minutes as opposed to days, accelerate solution development, and leverage a single source-of-truth for all analytics. AWS offers the broadest and deepest set of integrated cloud services and is constantly updating their portfolio based on customer feedback and demand. By combining SAP BW/4HANA with AWS, you get a complete solution that enables you to drive deeper insights from traditional services and emerging technologies at any scale.

## Key Benefits of SAP BW/4HANA

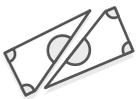
- Dramatically improve performance for data loading, querying, analysis, staging, and planning processes
- Simplify data modeling using a modern interface, ADSO, and CompositeProvider
- Accelerate solution development with simplified object models and SQL support
- Use multi-temperature storage options to optimize data management, improve data query response time, and lower TCO

## Why run SAP BW/4HANA on AWS?



### Most Complete Cloud for Business Innovation

The breadth and depth of services provided by AWS enables you to improve business efficiency and more easily integrate SAP workloads with emerging technologies, like IoT, machine learning, and serverless computing, to drive new value.



### Cost-Effective

Running SAP BW/4HANA on AWS allows you to reduce your total cost of ownership, with access to low-cost IT infrastructure that you can provision on-demand, eliminating the overhead associated with hardware maintenance.



### Secure & Compliant

You can comply with a variety of strict regulatory and industry-specific requirements and strengthen your security posture on AWS. Integrated security services and third-party solutions can be deployed on-demand to further protect your environment and intellectual property.



### Certified & Validated

SAP and AWS have collaborated since 2011 to certify AWS for production deployment of SAP applications, platforms, and databases. Several leading enterprises, including BP and General Electric, are running SAP workloads on AWS to increase business agility and reduce costs.



## Why run SAP BW/4HANA on AWS?

Amazon EC2 X1 and X1e Instances have been specifically engineered to meet the strict performance requirements for in-memory databases, such as SAP HANA. These instances allow for scale up deployments from 2TB (X1) to 4TB (X1e) and scale out from 16TB (X1) to 34TB (X1e).

Amazon EC2 Memory Optimized Instances	Memory Optimized R3	Memory Optimized R4	Memory Optimized X1	Memory Optimized X1e
Intel® processor	Intel® Xeon® E5-2670 v2	Intel® Xeon® E5-2686 v4	Intel® Xeon® E7-8880 v3	Intel® Xeon® E7-8880 v3
Intel® AVX	x	x	AVX2.0	AVX2.0
Intel® AES-NI	x	x	x	x
Intel® Turbo Boost	x	x	x	x
Intel® Transactional Synchronization Extensions (TSX)			x	x
Max Memory (GiB)	244	488	1,952	3,904
Max vCPUs	32	64	128	128
Instance Storage (GB)	2 x 320 SSD	EBS Only	2 x 1,920 SSD	2 x 1,920 SSD
SAPS Performance Rating	31,920	76,400	131,500	<TBD>

## Customer Testimonial: Fairfax Media



In order to stay ahead in the disrupted media industry, Fairfax Media focuses on innovation and agility on a daily basis. As such, they needed a cloud provider that would help drive these initiatives. Fairfax Media runs SAP BW/4HANA on AWS, helping their Financial Operational team benefit from near instant, self-service access of financial data. Additionally, stakeholders and key users are now embedded in the report development process.

*“Our goal is to provide every business unit with a flexible self-service analytical platform where they are able to understand how their business is performing without the need to go to IT for answers.”*

- Head of Fairfax Media's finance system

## Getting Started

Learn more about how you can start driving new value from your enterprise data with SAP BW/4HANA on AWS

- [Email us](#)
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- [aws.amazon.com/sap/solutions/bw4hana](https://aws.amazon.com/sap/solutions/bw4hana)
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