

Increase agility and cut development time with JSON and Oracle

Modernize your applications and increase business resilience and security with JSON on Oracle Database, and new cloud-based Oracle Autonomous JSON Database





What is JSON?

A commonly used data format derived from JavaScript, JSON is easy-to-use, readable, and flexible. This makes it fast and agile for customizing data models and for application development. Popular among fast-moving customer-facing industries such as retail and banking, JSON simplifies and supports cloud services for mobile, the internet of things, big data and more.

Why JSON?

JSON creates non-relational, NoSQL databases that deal with vast volumes of ever-changing, unstructured data. Unlike relational databases that use rigid rows and columns, with JSON developers can add new data without restrictions and easily switch between formats (JSON documents can be mapped to more traditional concepts like tables). This makes it ideal for creating cloud-based microservices and for businesses that want to work with data across different formats or layer additional capabilities, such as data analytics and machine learning.

Why Oracle?

Oracle database stores, manages, and indexes JSON documents, and developers can access these via document-oriented APIs in a NoSQL style.

Developers can easily mix JSON and relational data, and even serve transparently JSON data as relational or relational as JSON, giving the maximum flexibility for developers and other stakeholders. Independent benchmarking of JSON databases based on the Yahoo! Cloud System benchmark revealed that Oracle is by far the leader in the space, outperforming all competitors when it comes to cloud and on-premise services, multi-model, workloads, languages, security, and number of operations performed each second.

JSON on Oracle



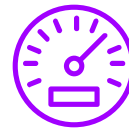
Saves time and money

Storing JSON in Oracle, instead of creating silos with each data model, is faster and cheaper. SODA API provides maximum development speed and SQL capabilities are comprehensive so if you use Oracle already, no special training is necessary.



Increases security

Data isn't moved outside of its normal home – microservices can be exposed directly to the highly secure Oracle Database, meaning there are no silos of information that could lead to data inconsistencies.



Accelerates business decisions

JSON on Oracle is compatible with all kinds of applications (API, Java, SQL etc.), and enables real time, data-driven decision-making – machine learning models can run on top of JSON data inside the database engine.



Easy and agile

Users do not need to understand complex coding to amend JSON data as Oracle provides a convenient set of interfaces for developers and well-known tools for database administrators. Existing MongoDB Applications can connect directly to Oracle Autonomous Database to simplify and consolidate data architectures.



The ability to scale

Oracle treats JSON as a native data type, meaning all operations continue to work as usual. Competitors can only update 1,000 objects at one time, so developers must create workarounds – with Oracle you can scale to millions without any additional coding.

Get started today

For businesses already using the Oracle database, no other product or license is needed – you can start immediately.

If you need a new platform, cloud-based Oracle Autonomous JSON Database (AJD) is an easy way to get started. AJD easily integrates with apps and other existing Oracle services. Just like other Oracle Autonomous Databases, AJD automates configuring, patching, encrypting and other day-to-day database tasks, to reduce manual efforts. AJD is also included in the Oracle Cloud Free Tier for developers that want to get started using JSON and the cloud for free.

If you are using MongoDB, Oracle has released an API that lets Mongo connect directly to Oracle Autonomous Database and translates MongoDB operations into equivalent Oracle code. This allows a seamless transition to Oracle Autonomous Database while continuing with the same team of developers and tools, and at the same time adding SQL-based reporting and analytics over JSON data.



Find more information here

Read more about the Oracle Autonomous JSON Database in this **Oracle whitepaper**

For free training and trial spaces click **here**

Accelerate the path to value with Accenture and Oracle

Accenture, the world's master of change enabled by technology and human ingenuity, and Oracle, the world's most powerful partner for data, Cloud and SaaS, activate the full potential of data, innovation and cloud for clients so they can drive enterprise-wide change and unlock new possibilities. We accelerate the path to value for our clients.

Accenture is dedicated to helping clients migrate to the cloud and enable microservices, and JSON supports that journey. Accenture takes Oracle technologies and activates them in specific industry and functional contexts. Together with Accenture Liquid Studios, we provide rapid prototyping and application development services.

600+

Oracle Cloud Implementation

54,000+

Oracle-skilled professionals globally, and 20,000+ additional Java-skilled people

175+

Oracle awards won since 2003 – and more than 30 won since 2016

105+

Specializations, including 85 Specializations and 20 Advanced Specializations in virtually all of Oracle's products

Contact us for more information

Vlad Kamys

Accenture Oracle Business Group
vladislav.kamys@accenture.com

Francesc Mas

Accenture Cloud First
francesc.mas@accenture.com

Sai Penumuru

Accenture Oracle Business Group
sai.penumuru@accenture.com

About Accenture

Accenture is a global professional services company with leading capabilities in digital, cloud and security. Combining unmatched experience and specialized skills across more than 40 industries, we offer Strategy and Consulting, Interactive, Technology and Operations services — all powered by the world's largest network of Advanced Technology and Intelligent Operations centers. Our 569,000 people deliver on the promise of technology and human ingenuity every day, serving clients in more than 120 countries. We embrace the power of change to create value and shared success for our clients, people, shareholders, partners and communities.

Visit us at www.accenture.com.

© 2021 Oracle and Accenture

Disclaimer: This content is provided for general information purposes and is not intended to be used in place of consultation with our professional advisors. This document refers to marks owned by third parties. All such third-party marks are the property of their respective owners. No sponsorship, endorsement or approval of this content by the owners of such marks is intended, expressed or implied.