

# Oracle ADW vs ATP

## Autonomous Database



Automatic backup supported in autonomous database, so no data loss.



It is a self-driving, self-securing, self-repairing database service.



Reduced costs and improved productivity by automating routine tasks.



A cloud database that uses machine learning to automate database security, tuning, backups and other routine management tasks traditionally performed by DBAs.



Combination of Exadata with database and infrastructure automation running on Oracle Cloud Infrastructure (OCI).



Oracle Autonomous Database



Expanded Infrastructure Automation



Expanded Database Automation



Automated Database & Infrastructure Operation

## Types of Autonomous Database

### ADW - Autonomous Data Warehouse:

- A fully managed database tuned and optimized for data warehouse workloads with the market-leading performance of Oracle Database.
- Uses applied machine learning to self-tune and automatically optimizes performance while the database is running.
- It's very easy and fast with elastic scaling of compute and storage, without downtime.

### ATP- Autonomous Transaction Processing:

- Delivers self-driving, self-securing, self-repairing database service that can instantly scale to meet demands of a variety of applications.
- ATP workload configures the database for a transactional workload, with a bias towards high volumes of random data access. e.g.: Transactions, batch, reporting, machine learning, etc.

## Autonomous Deployment options

### Serverless

- In serverless deployment, multiple users share the same cloud infrastructure resources.
- Users are responsible for database provisioning and management while Oracle takes care of infrastructure deployment and management responsibilities.

### Dedicated

- Dedicated deployment allows the user to provision the autonomous database within a dedicated (unshared) cloud infrastructure.
- Dedicated deployment offers greater control and customization over the entire environment and is ideal for users who want to tailor their autonomous database to meet specific organizational needs.

