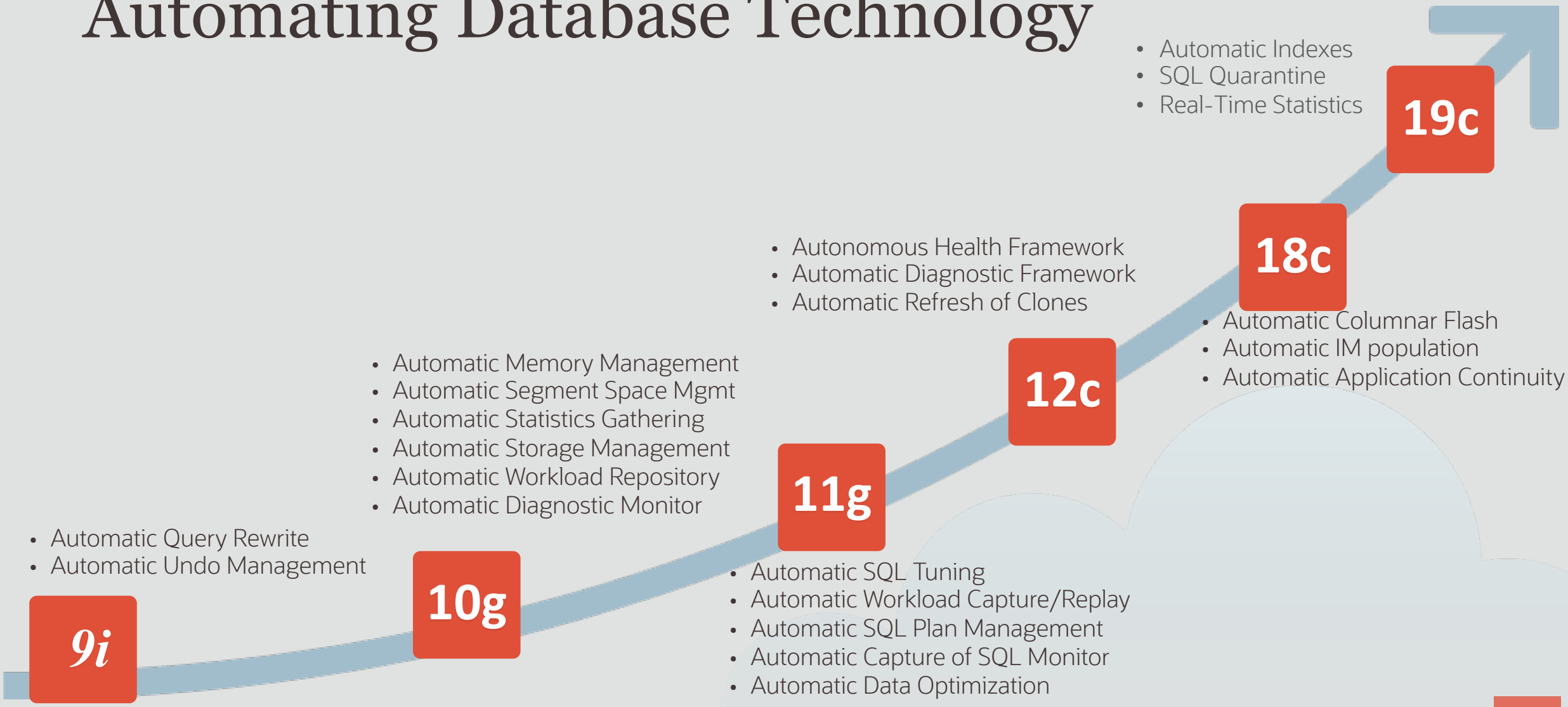
The Vision

Autonomous Database Revolutionizes Data Management

Transform from building and maintaining databases to using autonomous services on modern cloud

Oracle Spent Last 20 Years Automating Database Technology



Oracle Spent Last 15 Years Automating Database Infrastructure

2008

- Smart Scan
- Infiniband Scale-Out

- Database Aware Flash Cache
- Storage Indexes
- Hybrid Columnar Data

- IO Priorities
- Data Mining Offload
- Offload Decryption

- Network Resource Mgmt
- Prioritized File Recovery

- Direct-to-wire Protocol
- JSON and XML offload
- Instant failure detection

- In-Memory Columnar in Flash
- Smart Fusion Block Transfer

- Exadata Cloud Service

2019

Autonomous Database Completes the Job

Eliminates All the Complexity of Mission Critical Databases

Complete Infrastructure Automation

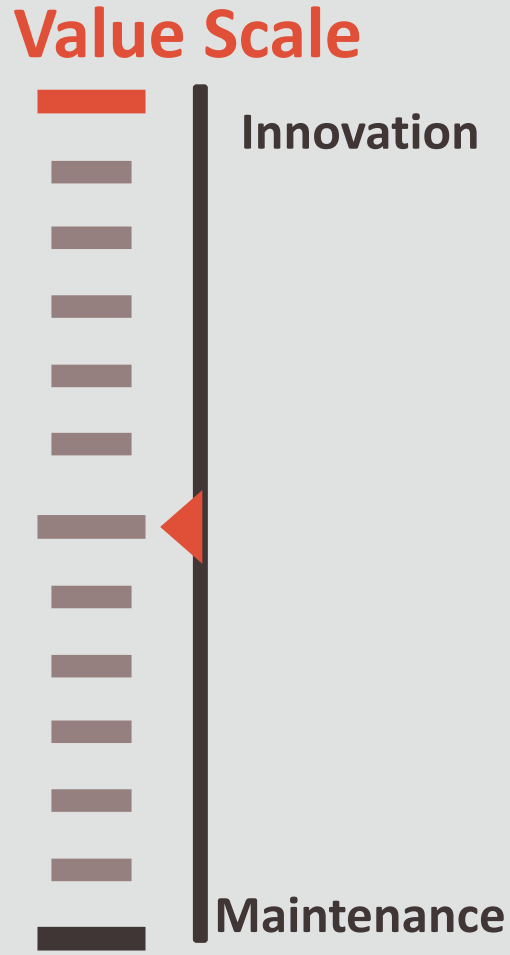
Complete Database Automation

Automated Data Center Operations and Machine Learning

Traditionally DBAs are Responsible for:

- **Tasks Specific to Business and Innovation**
  - Architecture, planning, data modeling
  - Data security and lifecycle management
  - Application related tuning
  - End-to-End service level management

- **Maintenance Tasks**
  - Configuration and tuning of systems, network, storage
  - Database provisioning, patching
  - Database backups, H/A, disaster recovery
  - Database optimization



Autonomous Database Removes Generic Tasks

Freedom from Drudgery for DBA: More Time to Innovate and Improve the Business

- **Tasks Specific to Business and Innovation**
  - Architecture, planning, data modeling
  - Data security and lifecycle management
  - Application related tuning
  - End-to-End service level management

- ~~**Maintenance Tasks**~~
  - ~~Configuration and tuning of systems, network, storage~~
  - ~~Database provisioning, patching~~
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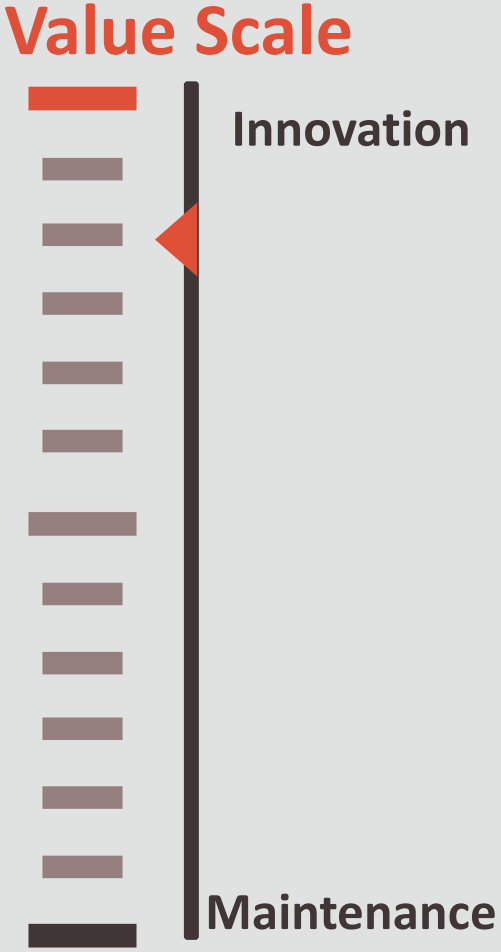


How it works

Oracle Autonomous Database

Everything is Automated: Nothing to Learn, Nothing to Do

Automatic Provisioning

Automatic Scaling

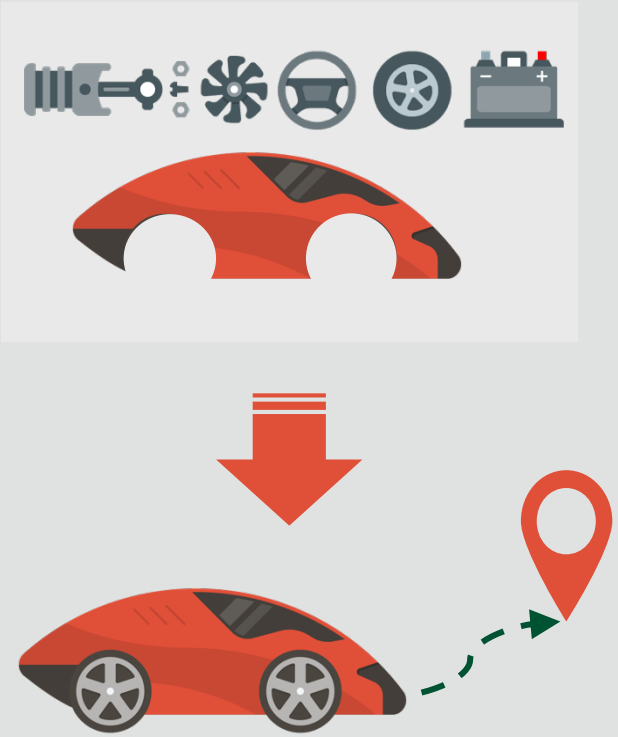
Automatic Tuning

Automatic Security

Automatic Fault Tolerant Failover

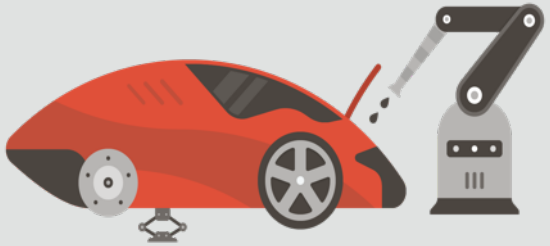
Automatic Backup and Recovery

And more…



Easiest to Use & Lowest Cost to Operate

Oracle Autonomous Database Key Attributes



Self-Driving

Automates all database and infrastructure management, monitoring, tuning

Self-Securing

Protects from both external attacks and malicious internal users

Self-Repairing

Protects from all downtime including planned maintenance

Spend Less, Reduce Risk, Innovate More

Autonomous Database | Optimized by Workload

Autonomous Data Warehouse

Available Since March 2018

Autonomous Transaction Processing

Available Since August 2018