

Compatibility Matrix

Oracle Health Dashboard v1.0.0 — Supported platforms, Oracle versions, and connection modes.

VERSION 1.0.0 DATE 2026-06-01 VENDOR Rarexa

1. Oracle Database Versions

PRODUCT	VERSION	STATUS
Oracle Database 23ai	23.x	✓ Certified (tested)
Oracle Database 21c	21.x	✓ Certified (tested)
Oracle Database 19c	19.x	✓ Certified — recommended (SE2 tested)
Oracle Database 18c	18.x	✓ Certified (tested)
Oracle Database 12c Release 2	12.2	✓ Supported
Oracle Database 12c Release 1	12.1	✓ Supported (thin-mode minimum)
Oracle Database 23ai Free	23 Free	✓ Certified (free edition)
Oracle Database XE 21c	21c XE	✓ Certified (free edition)
Oracle Database XE 18c	18c XE	✓ Certified (free edition)
Oracle Autonomous DB (ATP/ADW)	Cloud	⚠ Thin mode only — network access required
Versions before 12c	<12.1	✗ Not supported (thin mode requires 12.1+)

 Oracle 19c is the recommended version. Compatibility is **certified** (tested with the full query set, thin mode) on **18c, 19c (incl. SE2), 21c and 23ai**. Thin mode requires Oracle **12.1+** (earlier versions are not supported).

2. Operating Systems

OS	VERSION TYPE	SUPPORT
Windows 10 (64-bit)	.exe version	
Windows 11 (64-bit)	.exe version	
Windows Server 2019/2022	.exe version	
Ubuntu 20.04 / 22.04 LTS	Python version	
RHEL / CentOS 7, 8, 9	Python version	
macOS 12+ (Intel/Apple Silicon)	Python version	
Docker (Linux container)	Python version	

3. Web Browsers

The dashboard UI runs in the browser. Any modern browser with JavaScript enabled is supported:

BROWSER	MIN. VERSION	STATUS
Google Chrome	90+	✓ Recommended
Mozilla Firefox	88+	✓ Supported
Microsoft Edge	90+	✓ Supported
Safari	14+	✓ Supported
Internet Explorer	Any	✗ Not supported

4. Connection Modes & Configurations

MODE / CONFIG	NOTES
Thin mode (pure Python)	Default — no Oracle Client needed
Thick mode (Oracle Client)	Optional — enables advanced features
CDB (Container Database)	Supported — connect to CDB root
PDB (Pluggable Database)	Supported — use PDB service name
RAC (Real Application Clusters)	Supported via SCAN listener
Data Guard Standby	Read-only standby supported

5. Python Version Requirements (Python edition)

COMPONENT	REQUIREMENT
Python	3.9 or higher (64-bit)
Flask	2.x or higher
Waitress	2.x or higher
oracledb	1.x or higher
Oracle Instant Client	21c or higher — Basic or Basic Light (optional, for Thick mode only)

6. Network Requirements

REQUIREMENT	DETAIL
Oracle listener port	TCP 1521 (default, configurable)
Local dashboard port	TCP 8050 on localhost only (not exposed to network)
SMTP (optional)	TCP 587 (STARTTLS) or 465 (SSL) — only if email alerts enabled

REQUIREMENT	DETAIL
Telegram (optional)	HTTPS to api.telegram.org:443 — only if Telegram alerts enabled
Internet access	Not required for core monitoring functionality



Oracle version compatibility note: Some V\$ views may have different columns or availability depending on the Oracle version and edition. If a specific view is unavailable, the corresponding dashboard tab will show an informational message rather than crashing.