

## Database Editions and System Requirements

Oracle AI Database editions and OML availability with those editions along with supported operating systems are listed. Each edition is suitable for different development and deployment scenarios. Oracle Machine Learning components associated with Oracle AI Database are included with the database license.

Topics:

- [Oracle Machine Learning Family of Components](#)
- [Database and System Requirements for OML4SQL](#)
- [Database and System Requirements for OML4Py in Autonomous AI Database Serverless](#)
- [Database and System Requirements for OML4Py in Oracle AI Database On Premises](#)
- [Database and System Requirements for OML4R in Autonomous AI Database Serverless](#)
- [Database and System Requirements for OML4R in Oracle AI Database On Premises](#)

## Oracle Machine Learning Family of Components

The following table describes the availability of OML components on different platforms.

OML Component	Autonomous AI Database Serverless   Dedicated Region	Autonomous AI Database on Dedicated Exadata Infrastructure   Cloud @ Customer	Oracle AI Database On premises, Base Database Service, Cloud Service, Cloud Infrastructure, Cloud@Customer
OML4SQL API Build machine learning models and score data with no data movement using SQL and PL/SQL	✓	✓	✓
OML4Py API Leverage the database as a high performance compute engine from Python with in-database machine learning	✓		✓
OML4R API Leverage the database as a high performance compute engine from R with in-database machine learning	✓		✓
OML Notebooks SQL, PL/SQL, Python, R, Conda, and markdown interpreters	✓		
OML AutoML UI No code automated modelling interface	✓		
OML Monitoring No-code user interface for monitoring changes in data and in-database machine learning model quality	✓		
OML Services RESTful model management, deployment, monitoring	✓		
Oracle Data Miner SQL Developer extension with a drag-n-drop interface for creating machine learning methodologies	✓	✓	✓

Oracle AI Database offers a range of editions, including XE, SE2, EE, EE-CS, BaseDB-SE, BaseDB-EE, BaseDB EE-HP, BaseDB EE-EP, ExaCS or CE, and Oracle Autonomous AI Database - Shared or Serverless. OML4SQL is supported on all these offerings. See Supported Oracle Database Editions to understand about database offerings.

The following tables present information on supported database and system requirements for various Oracle Machine Learning APIs.

## Database and System Requirements for OML4SQL

The following table presents operating systems supported for various Oracle AI Database versions.

System\Database Version	26ai	21c	19c
Windows x64	✓	✓	✓
Linux x64	✓ (OL 9, OL8)	✓ (OL8, OL7)	✓ (OL9, OL8, OL7)
Oracle Enterprise Linux	✓ (EL 9, EL8)		
Red Hat Enterprise Linux	✓ (RHEL 9 and RHEL 8)	✓ (RHEL 8)	✓ (RHEL 9, RHEL 8, RHEL 7)
Linux ARM (aarch64)	✓ (OL 8)		✓
HP-UX ia64		✓	✓
Linux on System z (64 bit)			✓
Oracle Solaris (x86 systems, 64 bit)			✓
Oracle Solaris (SPARC systems, 64-bit)			✓
IBM AIX (64 bit)			✓
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## Database and System Requirements for OML4Py in Autonomous AI Database Serverless

The following table presents the current database, Python, and OML4Py versions available in Autonomous AI Database Serverless.

OML4Py Version	Python Version	Database Version	Operating System Version
2.0	3.12.0	26ai	Linux x64 Container (OL7)
	3.12.0	21c	Linux x64 Container (OL7)
		19c	
1.0	NA		

## Database and System Requirements for OML4Py in Oracle AI Database On Premises

The following table presents Oracle AI Database on premises requirements for OML4Py

OML4Py Version	Python Version	Database Version	Operating System Version
2.0	3.12.0	26ai	Linux x64 (OL8)
	3.12.0	21c	Linux x64 (OL7 and OL8)
		19c	
1.0	3.9.5	21c	Linux x64 (OL7 and OL8)
		19c	

## Database and System Requirements for OML4R in Autonomous AI Database Serverless

OML4R 1.5.1 does not support Autonomous AI Database Serverless platform.

The following table presents the current database, R, and OML4R versions available in Autonomous AI Database Serverless.

OML4R Version	Oracle R Distribution	Database Version	Operating System Version
2.0	4.0.5	19c, 21c, 26ai	Linux x64 (OL7)

## Database and System Requirements for OML4R in Oracle AI Database On Premises

The following table presents Oracle AI Database on premise requirements for OML4R.

<b>OML4R Version</b>	<b>Oracle R Distribution</b>	<b>Supported in Oracle AI Database Releases</b>	<b>Oracle AI Database Operating System Version</b>
2.0	4.0.5	19c, 21c, 26ai	Linux x64 (OL7 and OL8)
1.5.1	3.6.1	18c, 19c, 21c	Linux x64 (OL6 and OL7) IBM AIX 5.3, 6, and 7, 64-bit Solaris SPARC 64-bit Microsoft Windows x64, 64-bit
1.5.1	3.3.0	11.2.0.4, 12.1.0.1, 12.1.0.2, 12.2.0.1	Linux x64 (OL6 and OL7) Microsoft Windows x64, 64-bit IBM AIX 5.3, 6, and 7, 64-bit Solaris x86, 64-bit Solaris SPARC, 64-bit
1.4.1	3.0.1, 3.1.1	11.2.0.3, 11.2.0.4, 12.1.0.1, 12.1.0.2	Linux x64 (OL5 and OL6) Solaris x86, 64-bit Solaris SPARC, 64-bit IBM AIX 5.3 and 6, 64-bit Microsoft Windows x64, 64-bit
1.4	3.0.1, 3.1.1	11.2.0.3, 11.2.0.4, 12.1.0.1	Linux x64 (OL5 and OL6) Solaris x86, 64-bit Solaris SPARC, 64-bit IBM AIX 5.3 and 6, 64-bit Microsoft Windows x64, 64-bit
1.3.1	2.15.1, 2.15.2, 2.15.3	11.2.0.3, 11.2.0.4, 12.1.0.1	Linux x64 (OL5 and OL6) Solaris x86, 64-bit Solaris SPARC, 64-bit IBM AIX 5.3 and 6, 64-bit Microsoft Windows x64, 64-bit

OML4R Version	Oracle R Distribution	Supported in Oracle AI Database Releases	Oracle AI Database Operating System Version
1.3	2.15.1	11.2.0.3, 11.2.0.4, 12.1.0.1	Linux x64 (OL5 and OL6) Solaris x86, 64-bit Solaris SPARC, 64-bit IBM AIX 5.3 and 6, 64-bit Microsoft Windows x64, 64-bit
1.2	2.15.1	11.2.0.3, 11.2.0.4, 12.1.0.1	Linux x64 (OL5 and OL6) Solaris x86, 64-bit Solaris SPARC, 64-bit IBM AIX 5.3 and 6, 64-bit Microsoft Windows x64, 64-bit
1.1	2.13.2	11.2.0.3, 11.2.0.4, 12.1.0.1	Linux x64 (OL5 and OL6) Solaris x86, 64-bit Solaris SPARC, 64-bit IBM AIX 5.3 and 6, 64-bit Microsoft Windows x64, 64-bit
1.0	2.13.2	11.2.0.3, 11.2.0.4, 12.1.0.1	Linux x64 (OL5 and OL6) Solaris x86, 64-bit Solaris SPARC, 64-bit IBM AIX 5.3 and 6, 64-bit Microsoft Windows x64, 64-bit

**Note**

Oracle AI Database offers a range of editions, including XE, SE2, EE, EE-CS, DBCS-SE, DBCS-EE, DBCS EE-HP, DBCS EE-EP, ExaCS or CE, and Autonomous AI Database - Shared or Serverless.

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## Oracle AI Database Machine Learning System Requirements, Latest

F79038-05

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