

Neuigkeiten aus dem Hause Oracle

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Spitzenleistung heißt, sich auf seine Stärken zu konzentrieren.

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Wir machen Oracle - nur Oracle.
Aus gutem Grund.

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Wann sollten Sie updaten? Wie lange erhalten Sie Support für welche Version?

Die neuen Oracle Versionen 18c und 19c

Die klassische Datenbank stirbt, es lebe der Container

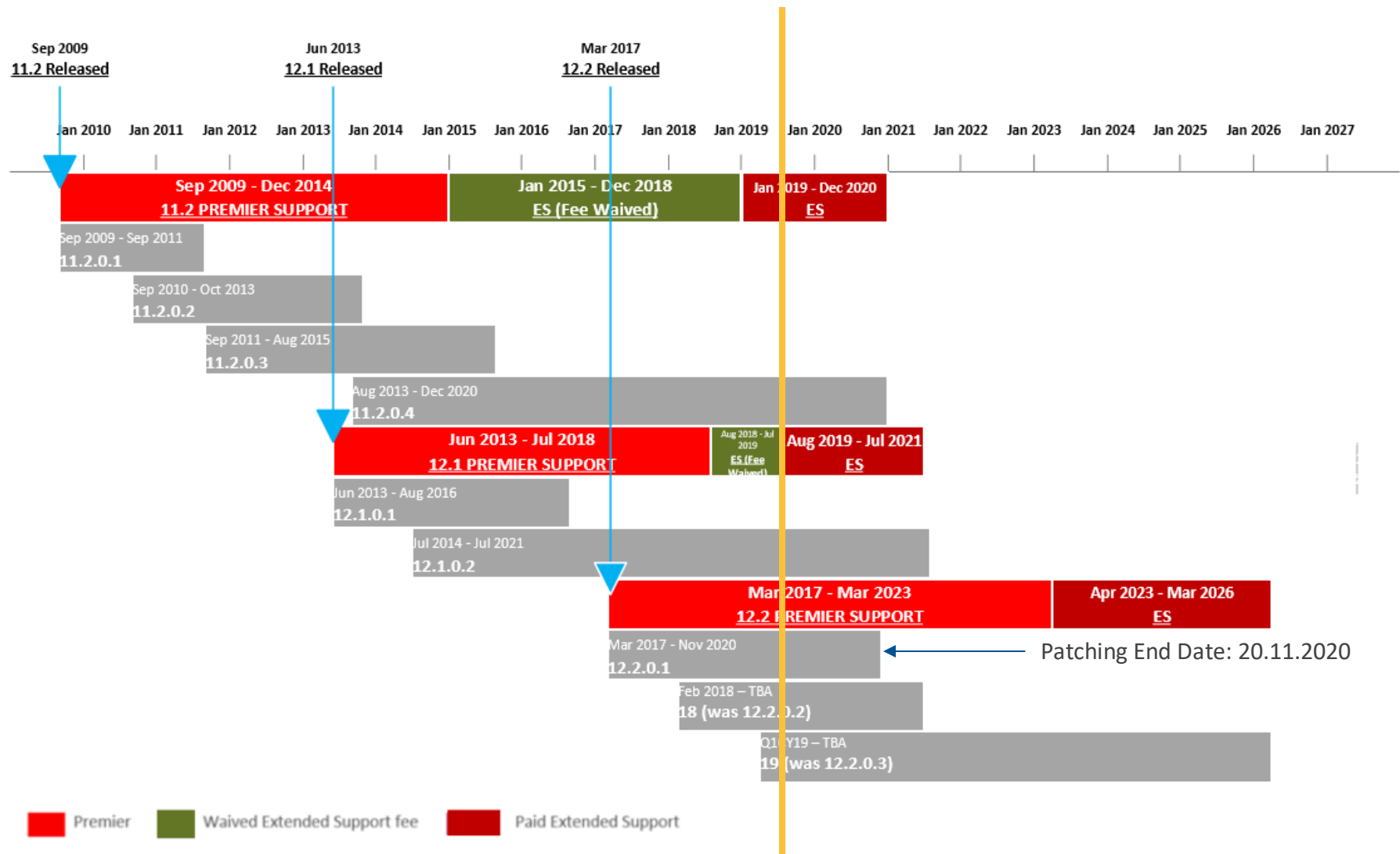
Oracle Java muss im kommerziellen Umfeld lizenziert werden

Kein Real Application Cluster mehr in Oracle 19c SE2

Oracle Lizenzierung in der Cloud

Wann sollten Sie updaten? Wie lange erhalten Sie Support für welche Version?

Release Schedule of Current Database Releases (Doc ID 742060.1)



Die neuen Oracle Versionen 18c und 19c

Default Character Set AL32UTF8

Desupport of UTL_FILE_DIR Initialization Parameter

Starting in Oracle Database 18c, the UTL_FILE_DIR parameter is no longer supported. Instead, specify the name of a directory object.

Desupport of Oracle Real Application Clusters for Standard Edition 2 (SE2) Database Edition

Starting with Oracle Database 19c, Oracle Real Application Clusters (Oracle RAC) is not supported in Oracle Database Standard Edition 2 (SE2).

Deprecation of Oracle Fail Safe

Oracle Fail Safe is deprecated as of Oracle Database 19c. It can be desupported and unavailable in a future release. Oracle recommends that you evaluate other single-node failover options, such as Oracle RAC One Node.

Desupport of Oracle Multimedia

Oracle Multimedia is desupported in Oracle Database 19c, and the implementation is removed.

Terminal Release of Oracle Streams

Oracle Database 18c is the terminal release for Oracle Streams support. Oracle Streams will be desupported from Oracle Database 19c onwards.

Oracle Streams was deprecated in Oracle Database 12c Release 1 (12.1). It does not support features introduced in Oracle Database 12c and later releases, including the multitenant architecture, the LONG VARCHAR data type, long identifiers, and other features. Oracle GoldenGate is the replication solution for Oracle Database.

Desupport of Oracle Streams

Starting in Oracle Database 19c (19.1), Oracle Streams is desupported. Oracle GoldenGate is the replication solution for Oracle Database.

Note that Oracle Database Advanced Queuing is not deprecated, and is fully supported in Oracle Database 19c.

Autonomous Database

Die klassische Datenbank stirbt, es lebe der Container

Deprecation of Non-CDB Architecture

The non-CDB architecture was deprecated in Oracle Database 12c. It can be desupported and unavailable in a release after Oracle Database 19c .

Oracle recommends use of the CDB architecture.

Note:

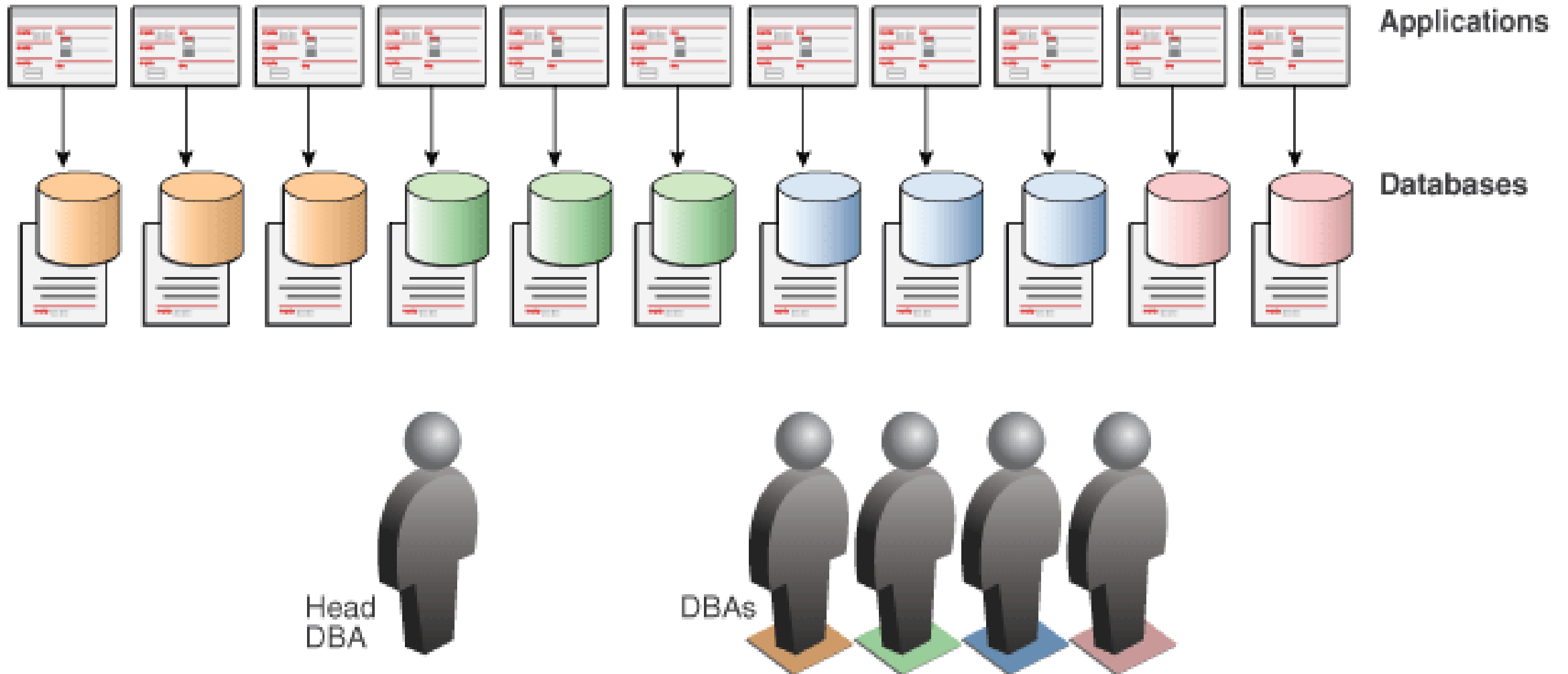
There remain a small number of features that do not work with the CDB architecture (see README, "Features Restricted or Not Available for a Multitenant Container Database"). If you need these features, then continue to use the non-CDB architecture until your required feature works with the CDB architecture.

Hinweis, dass es Non-CDB ab Version 20 nicht mehr geben wird:

Desupport of Oracle Streams

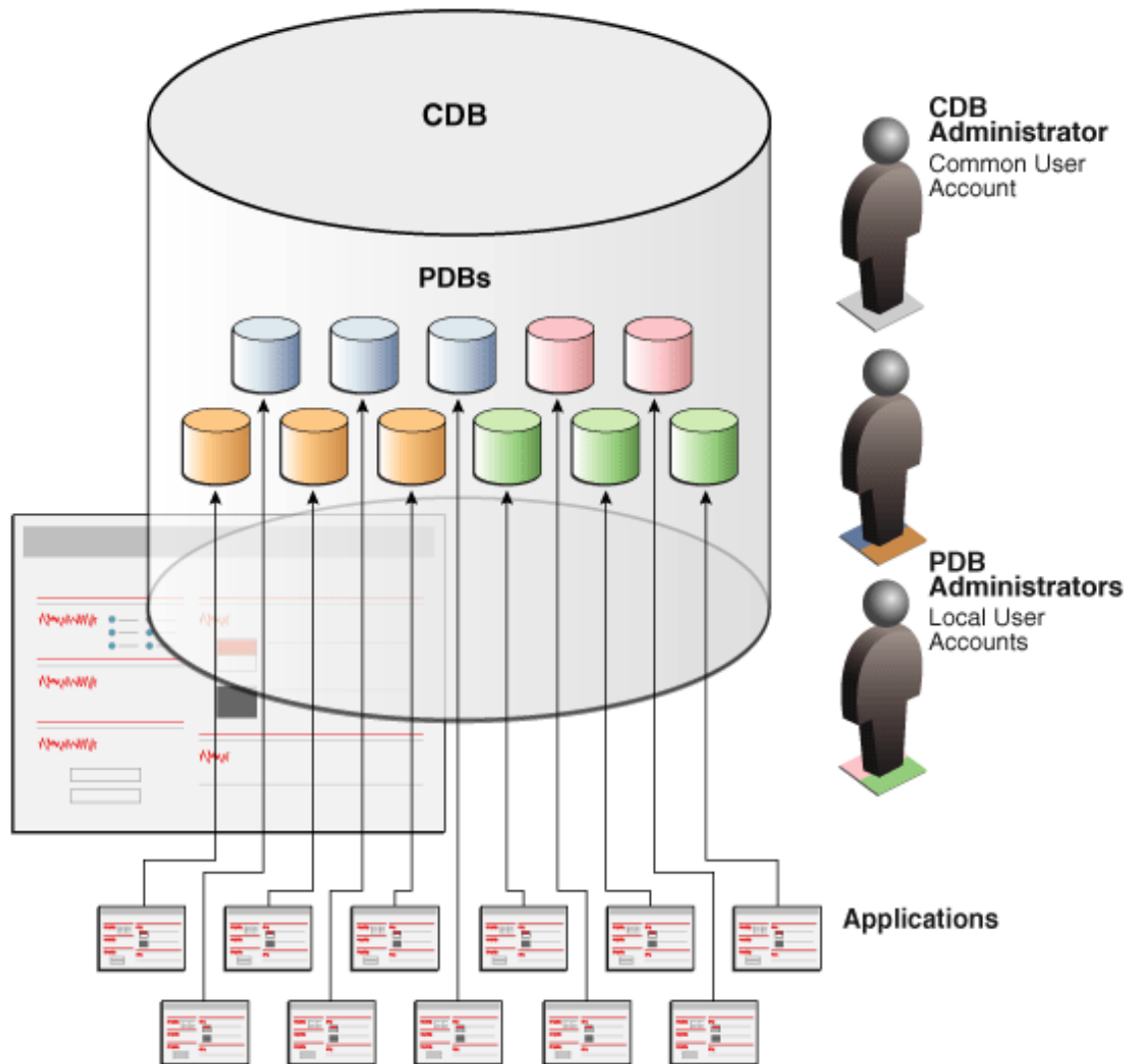
Starting in Oracle Database 19c (19.1), Oracle Streams is desupported.

Die „klassische“ Datenbankarchitektur:



Es lebe der Container

Konsolidiert in einer CDB:



In einer Oracle SE2/EE CDB-Datenbank ist eine PDB ohne weitere Lizenz zulässig.

Genau genommen eigentlich 3:

- Eine PDB
- Eine Proxy PDB
- Ein Application Root

Oracle Java muss im kommerziellen Umfeld lizenziert werden

Java ist jetzt kostenpflichtig?

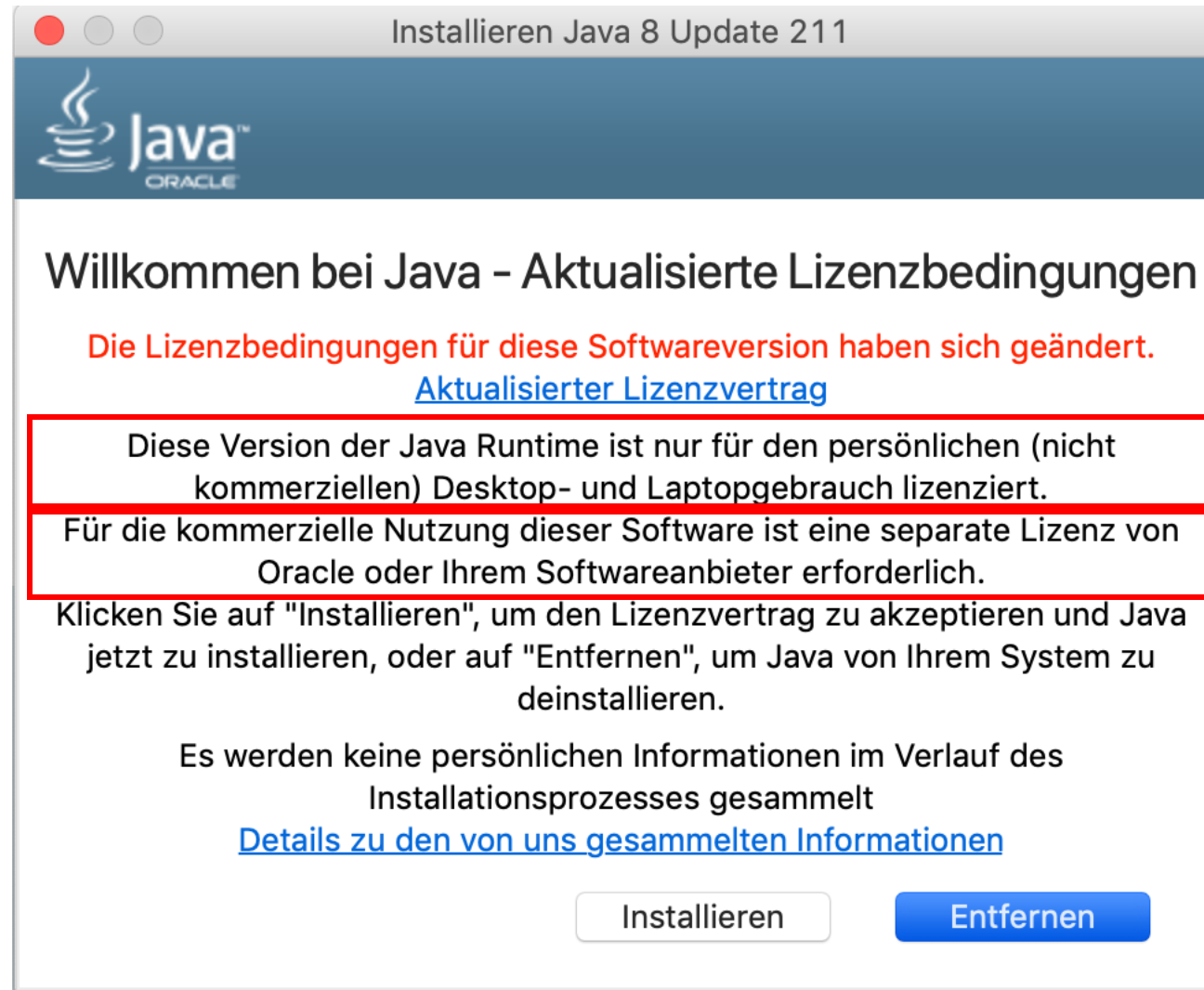
Oracle ändert Lizenzmodell
Kostenexplosion bei Java?

Wird Java jetzt kostenpflichtig?

Oracle JAVA ab 2019
lizenzpflichtig

Oracle erhebt ab 2019 Gebühren für Java

Java ist jetzt kostenpflichtig?





Important Oracle Java License Update

The Oracle Java License has changed for releases starting April 16, 2019.

The new [Oracle Technology Network License Agreement for Oracle Java SE](#) is substantially different from prior Oracle Java licenses. The new license permits certain uses, such as personal use and development use, at no cost -- but other uses authorized under prior Oracle Java licenses may no longer be available. Please review the terms carefully before downloading and using this product. An FAQ is available [here](#).

Commercial license and support is available with a low cost [Java SE Subscription](#).

Oracle also provides the latest OpenJDK release under the open source [GPL License](#) at jdk.java.net.

Frage an Sharat Chander, Java SE Product Management:

Is Java still free after January 2019?

“Absolutely. As has been the case for over two decades, Oracle is keeping Java free and open, and providing stability, performance and security updates to the current version, at no cost. Oracle also continues to provide free critical patch updates, scheduled over a year in advance, additional updates when required, and two feature updates (which also include critical patch updates) each year under the new release cadence.”

“Oracle does all this development in the OpenJDK open source community, making our contributions available to be ported, analyzed, and used by anyone, as open source. You can download the latest updates of Java from Oracle, for free, under an open source license from jdk.java.net, and for development and testing purposes as the Oracle JDK from OTN.”

Die neuen „Lizenzregeln“ betreffen ausschließlich das **Oracle** JDK!

Das **Open**JDK ist weiterhin lizenzfrei!

Es geht nur um die kommerzielle Nutzung der Oracle JDK (Einsatz in Firmen).

Die private Nutzung des Oracle JDK ist weiterhin frei.

Die Nutzung des Oracle JDK für Entwicklungszwecke ist weiterhin frei.

Es handelt sich nicht um eine „Lizenz“, sondern um eine „Subscription“ (Abonnement).

Alle Java-Installationen im Zusammenhang mit Oracle-Produkten sind weiterhin frei.

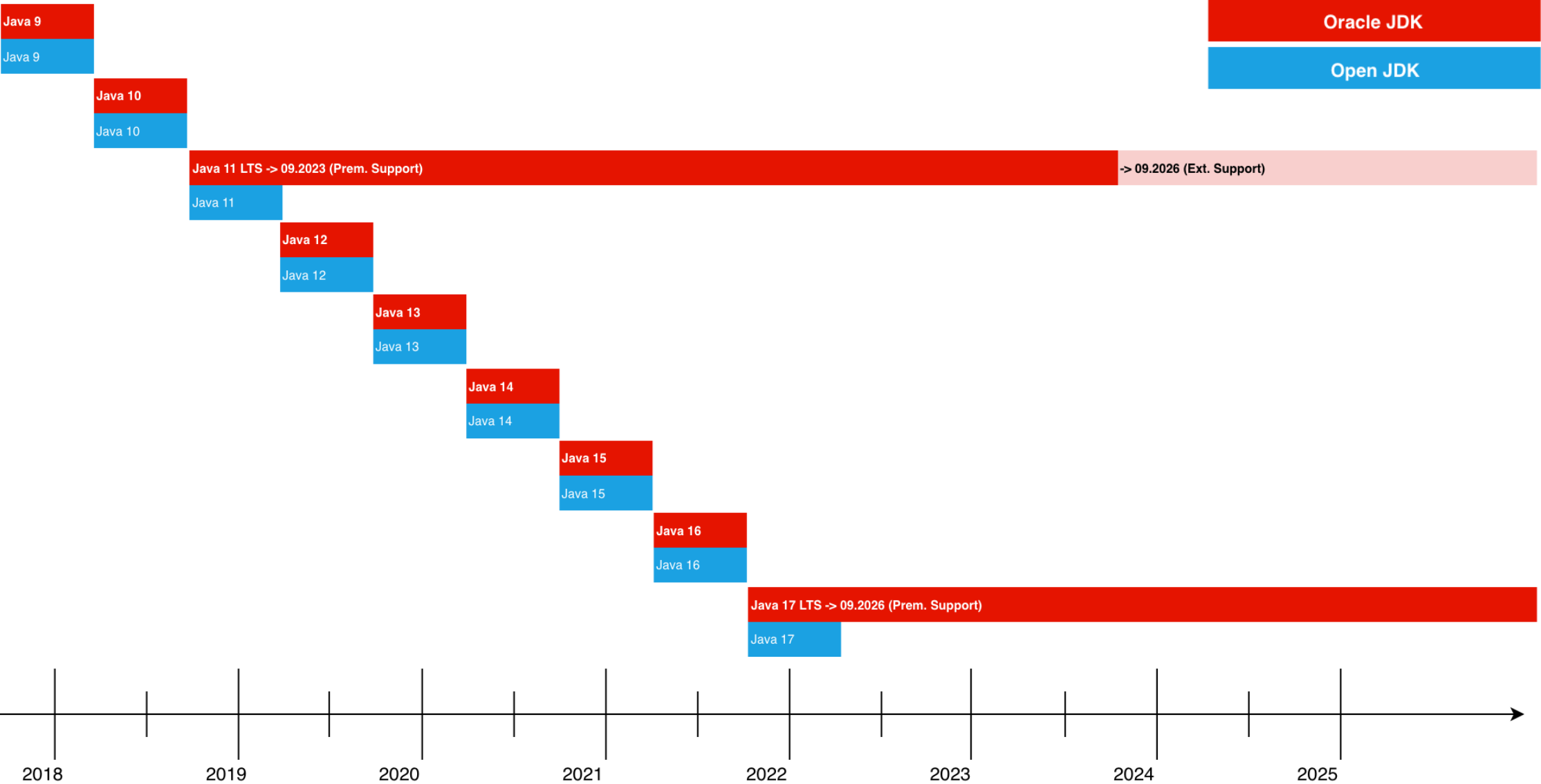
Auch andere Hersteller haben Java von Oracle „lizenziert“ (z.B. IBM, SAP, ...)

Sie müssen Ihren jeweiligen Softwarehersteller fragen!

Die neue Java Release Timeline



Die neue Java Release Timeline



Preise für Java Subscription (Stand 06.2019)

Oracle Java SE Desktop Subscription

Menge	Listenpreis/Laufzeit
1+	€26,05
1000+	€20,84
3000+	€18,23
10000+	€15,63
20000+	€13,02

Metrik:
Named User Plus

Laufzeit:
1 Jahr

Menge:

1

Preise für Java Subscription (Stand 06.2019)

Oracle Java SE Subscription

Menge	Listenpreis/Laufzeit
1+	€260,46
100+	€247,44
250+	€234,41
500+	€208,37
1000+	€182,32
3000+	€156,28
10000+	€130,23

Metrik:
Processor

Laufzeit:
1 Jahr

Menge:

1

Achtung! Es handelt sich um die Enterprise Prozessor Metric (obwohl im Namen „Standard Edition“ steht)!!

Kein Real Application Cluster mehr in Oracle 19c SE2

Kein Real Application Cluster mehr in Oracle 19c SE2

Oracle 19c Database Licensing Information User Manual:

Feature / Option / Pack	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS	Notes
Oracle Real Application Clusters (Oracle RAC)	N	Y	Y	N	N	N	Y	Y	EE and EE-ES: Extra cost option

Oracle 18c Database Licensing Information User Manual:

Feature / Option / Pack	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS	Notes
Oracle Real Application Clusters (Oracle RAC)	Y	Y	Y	N	N	N	Y	Y	EE and EE-ES: Extra cost option

Kein Real Application Cluster mehr in Oracle 19c SE2

Desupport of Oracle Real Application Clusters for Standard Edition 2 (SE2) Database Edition

Starting with Oracle Database 19c, Oracle Real Application Clusters (Oracle RAC) **is not supported in Oracle Database Standard Edition 2 (SE2).**

Upgrading Oracle Database Standard Edition databases that use Oracle Real Application Clusters (Oracle RAC) functionality from earlier releases to Oracle Database 19c **is not possible.**

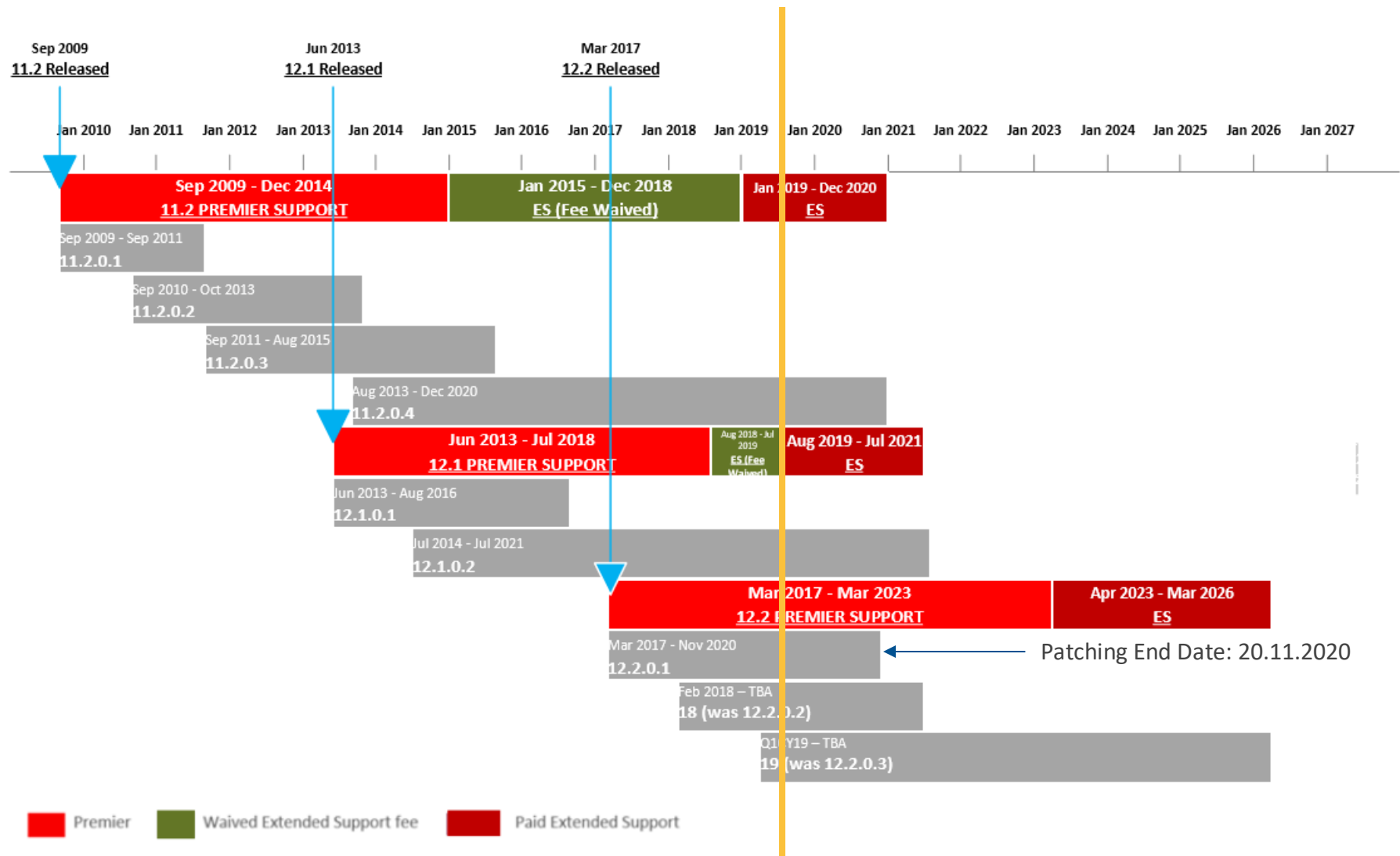
To upgrade those databases to Oracle Database 19c, either remove the Oracle RAC functionality before starting the upgrade, or upgrade from Oracle Database Standard Edition to Oracle Database Enterprise Edition.

For more information about each step, including how to reconfigure your system after an upgrade, see

My Oracle Support Note 2504078.1:

"Desupport of Oracle Real Application Clusters (RAC) with Oracle Database Standard Edition 19c."

Release Schedule of Current Database Releases (Doc ID 742060.1)



Oracle Clusterware provides cluster membership and high availability monitoring and failover.

Oracle Clusterware may be used to **protect any application** (restarting or failing over the application in the event of a failure) **on any server, free of charge**.

Oracle will provide support for Clusterware only if the server is running an Oracle product, which may include Oracle Linux or Oracle Solaris, that is also under Oracle support.

Oracle Automatic Storage Management (Oracle ASM):

Oracle ASM is free to use with all Oracle databases and Oracle ACFS file systems.

Oracle ASM Cluster File System (Oracle ACFS):

When used with non-Oracle Database files, all Oracle ACFS features are free.

When used with Oracle Database files, all Oracle ACFS features are free, with the following exceptions:

- ACFS Auditing - Not available (use Oracle Audit Vault*)
- ACFS Compression - Not available (use Oracle Advanced Compression*)
- ACFS Encryption - Not available (use Oracle Transparent Data Encryption, part of the Oracle Advanced Security option*)
- ACFS Security - Not available (use Oracle Database Vault*)

Oracle will provide support services for Oracle ACFS only if the server it operates on also operates an Oracle product, which may include Oracle Linux or Oracle Solaris, which is under an Oracle support contract.

* Requires appropriate full-use licenses to these products or components.

Oracle Database Support Schedule

Release	Patching End Dates (Error Correction)	Extended Support End Dates	Direct Upgrade Path to 19c
Database 11.2			
DB 11.2.0.1 (Initial Release)	13-Sep-2011	n/a	No
DB 11.2.0.2 (Patch Set)	31-Oct 2013	n/a	No
DB 11.2.0.3 (Patch Set)	27-Aug-2015	27-Aug-2015	No
DB 11.2.0.4 (Terminal Patch Set)	31-Dec 2020 <i>(ES Fee waived through 31-Dec-2018)</i>	31-Dec-2020 <i>(Requires ES Fees paid or Unlimited License Agreement w/ES enabled (ULA))</i>	Yes
Database 12.1			
DB 12.1.0.1(Initial Release)	31-Aug-2016	n/a	No
DB 12.1.0.2 (Terminal Patch Set)	31-Jul-2021 <i>(ES Fee waived through 31-Jul-2019)</i>	31-Jul-2021 <i>(Requires ES Fees paid or Unlimited License Agreement w/ES enabled (ULA))</i>	Yes
Database 12.2			
DB 12.2.0.1 (Initial Release)	20-Nov-2020	n/a	Yes
DB 18 (Annual Release)	TBD <i>(24 months after 19c releases on-premises)</i>	n/a	Yes
DB 19 (Long Term Release)	31-Mar-2026 **	31-Mar-2026 ** <i>(Requires ES Fees paid or Unlimited License Agreement w/ES enabled (ULA))</i>	

Oracle Lizenzierung in der Cloud

Besondere Lizenzbedingungen Amazon EC2 + RDS, Microsoft Azure

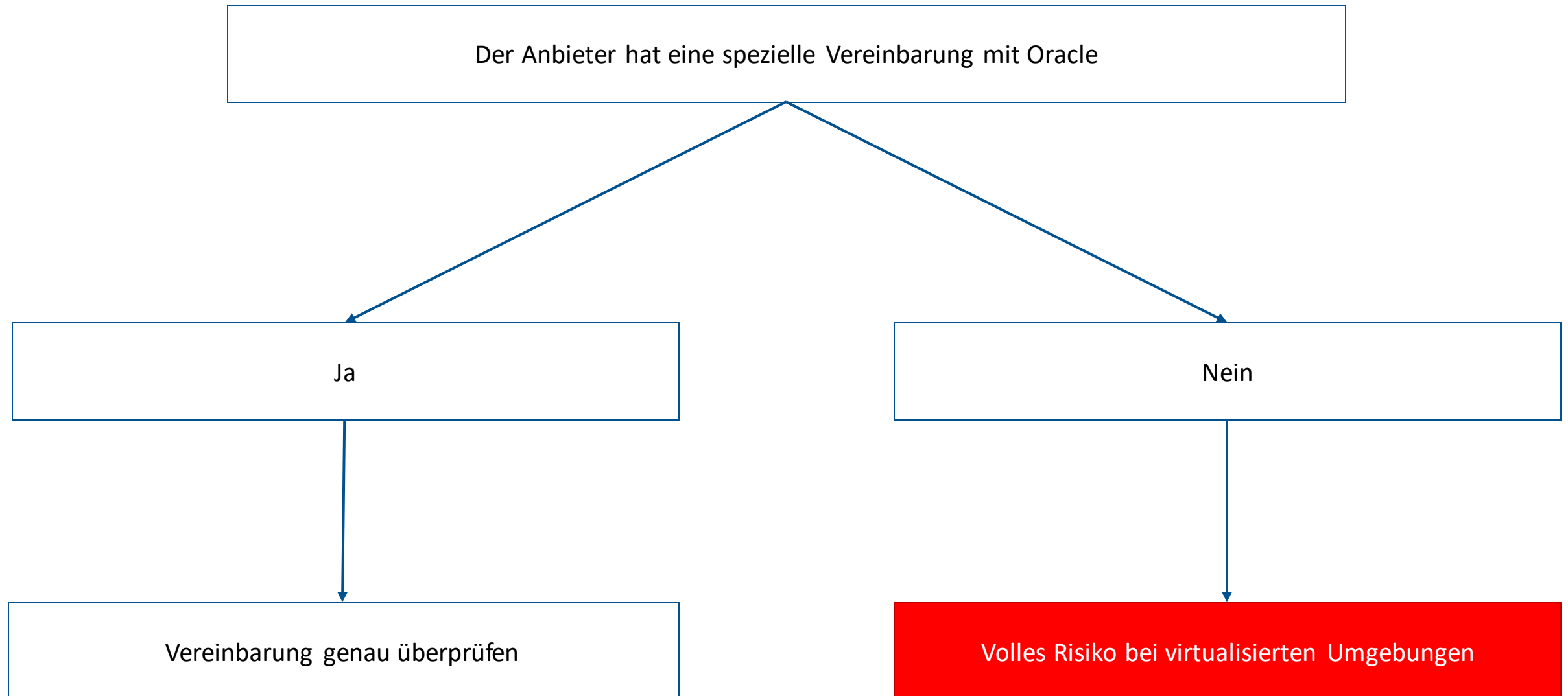
Bei EE: Hyperthreading enabled: 2 vCPU = 1 Oracle Prozessorlizenz

Bei EE: Hyperthreading disabled: 1 vCPU = 1 Oracle Prozessorlizenz

Bei SE, SE1, SE2: 4 vCPU = 1 Oracle Prozessorlizenz = 1 Socket

Maximal 16 vCPU bei SE, maximal 8 vCPU bei SE1/SE2

Bei SE2 NUP-Lizenzierung: 10 NUP je 8 vCPU



Fragen?



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Wir kümmern uns!



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