

Oracle Technology Monthly

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tinyurl.com/oratech-monthly

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Agenda

- 1 ➤ Cloud & Tech Neuigkeiten: Announcements, Referenzen etc.
- 2 ➤ Termine
- 3 ➤ Release-Stand, Patchsets
- 4 ➤ Web 2.0
- 5 ➤ Thema des Monats: APEX 19.1

- **Eingebautes Oracle Cloud Infrastructure Monitoring mit Metrics Explorer**
<https://blogs.oracle.com/cloud-infrastructure/track-critical-health-and-performance-metrics-with-oracle-cloud-infrastructure-monitoring>
- **Streaming Service (für Events / Daten)**
<https://blogs.oracle.com/cloud-infrastructure/ingest-and-process-high-volume%2c-continuous-data-in-real-time-with-oracle-cloud-infrastructure-streaming>
- **Oracle Cloud Infrastructure Web Application Firewall (WAF)**
<https://blogs.oracle.com/cloud-infrastructure/introducing-the-oci-waf>

- **Autonomous Database:**

- Einheitliches Framework für die API und die OCI Konsole
- Application Continuity Support

- **Oracle NoSQL Database Cloud Service:**

- Plugin für Eclipse kann vom Eclipse Marketplace heruntergeladen und installiert werden.

<https://marketplace.eclipse.org/content/oracle-nosql-database-cloud-eclipse-plugin>

Marketplace in Oracle Cloud Infrastructure

- “Click to Launch” von Oracle und third-party Applications auch direkt von der OCI Konsole aus

The screenshot displays the Oracle Cloud Marketplace interface. At the top, the navigation bar includes the Oracle logo, 'Cloud Marketplace', and links for 'Oracle Cloud Home', 'Publishers', 'Resources', 'Sign In', and 'English'. Below the navigation bar, there are two tabs: 'Applications' (active) and 'Services'. A search bar contains the text 'enterprise manager' with a 'Go' button. To the left of the search results is a 'Filters' section with a 'Reset' button. The filters include 'Region/Country' with options for Asia Pacific, Middle East, Japan, Latin America, North America, Europe, and Africa; and 'Device Type'. The search results are displayed in a grid of four cards. Each card shows the product logo, name, description, and rating. The first card is 'Oracle Enterprise Manager 13.3' with a 5-star rating (0 reviews). The second card is 'Adobe Experience Manager Integration for Oracle' with a 4-star rating (1 review). The third card is 'Google Tag Manager Widget by VSG' with a 5-star rating (1 review) and is marked as 'Free'. The fourth card is 'PeopleSoft Cloud Manager Image 08 for Oracle' with a 5-star rating (0 reviews).

Product Name	Rating	Price
Oracle Enterprise Manager 13.3	★★★★★ (0)	
Adobe Experience Manager Integration for Oracle	★★★★★ (1)	
Google Tag Manager Widget by VSG	★★★★★ (1)	Free
PeopleSoft Cloud Manager Image 08 for Oracle	★★★★★ (0)	

Oracle 18c XE auf Windows ist GA



- Verfügbar auf Linux und Windows, als Docker Image und VirtualBox VM
 - <https://www.oracle.com/database/technologies/appdev/xe/quickstart.html>
- Mit Enterprise Features wie Multitenant, In-Memory, Partitionierung, Advanced Analytics etc.
 - <https://docs.oracle.com/en/database/oracle/oracle-database/18/xelic/licensing-information.html#GUID-0F2574A6-360F-4237-8098-17B02FFC3BB3>
- Eckdaten
 - Bis zu 12 GB an Benutzerdaten
 - Bis zu 2 GB Datenbank-RAM
 - Bis zu 2 CPU-Threads
 - Bis zu 3 Pluggable-Datenbanken

Oracle Database Security Assessment Tool 2.1.0

- Jetzt zertifiziert für Oracle Database 18c, 19c und Autonomous Databases
- Unterstützung für das Auffinden sensibler Daten in Datenmodellen in Niederländisch, Französisch, Deutsch, Italienisch, Portugiesisch und Spanisch
- Neue Findings für Password File, Global Names, Instance Name und RMAN Backups
- Aktualisierte sensible Typen, Kategorien und Unterkategorien
- Download: MOS Doc ID 2138254.1

Section	Pass	Evaluate	Advisory	Low Risk	Medium Risk	High Risk	Total Findings
Basic Information	0	0	0	0	0	1	1
User Accounts	5	0	0	4	2	1	12
Privileges and Roles	5	16	0	0	0	0	21
Authorization Control	0	1	1	0	0	0	2
Fine-Grained Access Control	0	1	4	0	0	0	5
Auditing	0	4	2	0	6	0	12
Encryption	0	1	1	0	0	0	2
Database Configuration	5	3	0	3	2	1	14
Network Configuration	1	1	0	0	3	0	5
Operating System	1	0	0	2	1	1	5
Total	17	27	8	9	14	4	79

Oracle Database 19c

19^c

- Oracle Database 19c ist **Long-Term Release!**
- Aktuell verfügbar:
 - Oracle Live SQL <https://livesql.oracle.com>
 - Exadata
- Fokus: **Stabilität**
- Features wie Hybrid Partitioned Tables, JSON Erweiterungen, Data Pump Erweiterungen, SQL Quarantine, Real Time Statistics u.v.m.
- Neue „New Features App“
<https://apex.oracle.com/database-features/>

Exadata 19c

- Spezifische Neuerungen:

- Voraussetzung für DB 19c: **Linux 7** und **Exadata 19.1**
- Upgrade auf Exadata 19.1 führt “**rolling upgrade**” auf Linux 7 aus
- Automatische Resolution von SQL Plan Regressions
- Automatische Indizierung
- Memoptimized Rowstore mit “Fast Ingest”



19^c

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Termine

Oracle Events in Ihrer Nähe, DOAG, Internationale Events

- **März - Mai:** INNOVATION BREAKFAST – MIT AUTONOMOUS DATABASE ZU SELF SERVICE ANALYTICS (Berlin, Düsseldorf, Frankfurt, Hamburg, München, Stuttgart)
<https://www.oracle.com/de/corporate/events/autonomous-events/>
- **13. März:** Technologietag (Frankfurt): <https://bit.ly/DatabaseInTheCity>
- **19. März:** Technologie und Cloud Update Tag für SAP Kunden (Frankfurt)
<https://eventreg.oracle.com/profile/web/index.cfm?PKwebID=0x622802abcd>
- **26. - 27. März:** DATA Analytics 2019 (Phantasialand Brühl): <https://analytics.doag.org/de/home/>
- **10. April:** Oracle Code (Berlin): <https://developer.oracle.com/code/berlin-april-2019>
- **7. - 9. Mai:** APEX connect (Bonn): <http://apex.doag.org>
- **3.- 4. Juni:** DOAG Datenbank (Düsseldorf): <https://datenbank.doag.org/de/home/>

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Aktuelle Software Release- und Patch-Stände

	Komponente	Patch (PSU)/Release	Patch (DBPro/RU)	MOS Note ID
Datenbank	18.5.0 12.2.0.1 12.1.0.2 11.2.0.4		.190115 .190115 .190115 .190115	161818.1 / 756671.1
Engineered Systems	Exadata Storage ODA	19.1.2.0.0 18.1. 13 .0.0 12.2.1.1.8 12.1.2.3.7 18.3	OEDA: Feb 2019 v190214	888828.1 https://docs.oracle.com/en/engineered-systems/#oracle-database-appliance
	MiniCluster	1.2.5.22		2153282.1
Enterprise Manager	OMS / Agent OMS / Agent OMS / Agent	13.2.0.0.190131 13.2.3.0.190131 12.1.0.5.190131	13.2.0.0.190131 13.2.3.0.190131 12.1.0.5.190131	2219797.1 2038446.1

Aktuelle Software Release- und Patch-Stände

	Komponente	Version	Link / MOS Note ID
Checks	ORACHK / EXACHK	18.4.0	1268927.1
	DBSAT	2.1.0	2138254.1
	TraceFileAnalyzer	18.4.3	1513912.1
Dev Resources	SQL Developer/SQLcl	18.4 18.4	https://www.oracle.com/technetwork/developer-tools/sql-developer/downloads
	ORDS	18.4	https://www.oracle.com/technetwork/developer-tools/rest-data-services/downloads/index.html
	Treiber für Node.js	3.1	https://github.com/oracle/node-oracledb
	Oracle NoSQL DB	4.5.12 (CE) 18.3.11 (EE)	https://www.oracle.com/technetwork/database/database-technologies/nosqldb/downloads/index.html
	Oracle Application Express	18.2.0.00.12	https://www.oracle.com/technetwork/developer-tools/apex/downloads/index.html

Aktuelle Software Release- und Patch-Stände

	Komponente	Version	Link
Linux	Oracle Linux (OL)	6.10, 7.6, UEK 5	https://www.oracle.com/technetwork/server-storage/linux/overview/index.html
	Oracle VM (OVM)	3.4.5	https://www.oracle.com/technetwork/server-storage/vm/downloads/index.html
Dev Resources	Java SE / Oracle JDK	11.0.2	https://www.oracle.com/technetwork/java/javase/downloads/jdk11-downloads-5066655.html
	Java SE / Oracle JDK	8u201	https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html

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Web 2.0

Blogs, Whitepaper, YouTube, Twitter, ...

- White Paper Oracle Multitenant
<https://www.oracle.com/technetwork/database/multitenant-wp-12c-1949736.pdf>
- Red Stack Magazin (Februar 2019):
<https://www.doag.org/formes/pubfiles/11048534/docs/Publikationen/DOAGNews/2019/01-2019/01-2019-Red-Stack-WEB.pdf>
- „Ask TOM“ Questions, Office Hours etc.
<https://asktom.oracle.com/pls/apex/f?p=100:1>
- Deutschsprachige Blog Postings auf blogs.oracle.com/coretec
 - Funktionsweise der OCI Remote Console
 - Autonomous Database Services: Komprimierte Dateien einbinden
 - Sensible Daten in Trace Files gefunden!?

New Features App - <https://apex.oracle.com/database-features/>

The screenshot shows the Oracle Database Features App interface. On the left, there is a sidebar with search and filter options. The main content area displays a list of features for Oracle 19c, each with a description, release information, and a green checkmark indicating it is a new feature.

Search
Search Features

Focus Area
All Focus Areas

Version
11.2 12.1 12.2 18c 19c

New features only

Feature 19c

- Ability to Create a Duplicate of an Oracle Database Using DBCA in Silent Mode**
You can now create a duplicate of an Oracle database by using the createDuplicateDB command of DBCA in silent mode.
19c Release Install
- Ability to Create a PDB by Cloning a Remote PDB Using DBCA in Silent Mode**
You can now create a PDB by cloning a remote PDB using the createFromRemotePDB parameter of the createPluggableDatabase command of DBCA in silent...
19c Release Pluggable Databases
- Ability to Grant or Revoke Administrative Privileges to and from Schema-Only Accounts**
Administrative privileges such as SYSOPER and SYSBACKUP can now be granted to schema-only (passwordless) accounts.
19c Release Core Security
- Ability to Relocate a PDB to Another CDB Using DBCA in Silent Mode**
You can now relocate a PDB to another CDB by using the relocatePDB command of DBCA in silent mode.
19c Release Pluggable Databases



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