

Lizenzmanagement in Cloud-Umgebungen

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Schlüsselworte

Lizenzmanagement, Software Asset Management (SAM), SAM, Asset Management, Cloud, Hybrid Cloud, Tools, Prozesse, Best Practices, Oracle License Management Services (LMS), Lizenzen, Lizenzierung, Compliance, Tools, Werkzeuge, Oracle Enterprise Manager, OEM, LMS Engagement, LMS Services, Audit Services, True Up Services, Advisory Services.

Einleitung

Mit der zunehmenden Einführung von Cloud-Umgebungen kommt es zu neuen Herausforderungen für das Lizenzmanagement in den Unternehmen. Im Rahmen dieses Vortrages möchten wir Fallbeispiele darstellen und aufzeigen, welche Möglichkeiten ein Oracle Kunde hat, diesen möglichst proaktiv zu begegnen.

Oracle License Management Services (LMS)

Oracle LMS prüft, berät und unterstützt Kunden im Rahmen von Audits und Projekten hinsichtlich der vertragskonformen Nutzung von Oracle Programmen. Unser Anspruch ist es, partnerschaftlich und vertrauensvoll mit Kunden und Partnern zusammen zu arbeiten, damit sie gerne auf die Unterstützung von LMS zurückgreifen. Weitere Informationen zu LMS und den LMS Services finden Sie unter www.oracle.com/goto/lms/

The slide is titled 'Agenda' and features the Oracle License Management Services logo in the top right corner. The agenda items are listed in a numbered sequence from 1 to 4, each preceded by a right-pointing arrow icon. The items are: 1. Oracle License Management Services (LMS), 2. Software Asset Management in der Cloud, 3. Lizenzierung in der Cloud, and 4. Unterstützende Tools zur Nutzungserfassung, with the example 'Beispiel: OEM Cloud Control 13c' listed below it. The Oracle logo is in the bottom left, and a small copyright notice is in the bottom right.

Agenda

- 1 Oracle License Management Services (LMS)
- 2 Software Asset Management in der Cloud
- 3 Lizenzierung in der Cloud
- 4 Unterstützende Tools zur Nutzungserfassung
Beispiel: OEM Cloud Control 13c

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Abb. 1: Agenda des Vortrages



Abb.2: Cloud Services – Begriffe und Komponenten

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Software Asset Management

Neue Komponenten für die Cloud

Lizenzmanagement

- Überwachung der OnPremise Nutzung zur Feststellung ungenutzter Lizenzen
 - BYOL für Cloud Umgebungen
 - ‚Blockierung‘ bei Verwendung in der Cloud

Subscription Management

- Überwachung der genutzten Services bzgl. Scope/Funktionalität
- Proaktives Kapazitätsmanagement und Bedarfsplanung
- Effiziente Beschaffung / Erweiterung von Service Kontingenten
- Renewal Management

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Abb3. Software Asset Management – Neue Komponenten für die Cloud

Cloud-spezifisches Lizenzmanagement Best Practices

- Kontinuierlicher Abgleich von Nutzung vs. Kontingente
 - Frühwarnprozesse für Kontingente und Serviceperioden, sauberes Vertrags- und Kapazitätsmanagement
- Prävention ungewollter Nutzung (Funktionalität, Umfang, Dauer)
- Erweiterung/Anpassung der vorhandenen SAM Tools
 - Integration von OnPremise und Subscription Kontingenten
 - Je automatisierter, desto besser !

Abb.4: Cloud-spezifisches Lizenzmanagement: Best Practices

Oracle PaaS und IaaS „Universal Credits“

Verfügbar seit 25-Sept-2017

- Beinhaltet die Entwicklungsplattform „Oracle Foundation Services“, 20 GB Storage und 50 „compute hours“ pro Monat pro Cloud Service Account
- Für alle erhältlichen PaaS und IaaS Services: „Mit nur einem Vertrag haben sie Zugang zum gesamten Oracle Cloud-Portfolio. Sie können flexibel zwischen verschiedenen PaaS- und IaaS-Services wechseln...Diese Angebote gelten für Oracle Cloud und Oracle Cloud at Customer“
- Abrechnung monatlich, jährlich oder fortlaufend :“Your Cloud Services Account will be charged based on one of the following payment/billing models: 1: Monthly Universal Credit, 2: Annual Universal Credit, and 3: Pay as You Go“

Abb.5: Lizenzierung in der Cloud – Oracle ‘Universal Credits’

Oracle PaaS und IaaS „BYOL“ – Bring Your Own License

Kurzbeschreibung

“You may activate the BYOL version of a Cloud Service if available (not all Cloud Services have BYOL versions) and You will be charged the BYOL rate for the activated Cloud Service provided that You have sufficient supported on premise licenses as required and specified in the Service Description for the Cloud Service.”

Bestehende Verpflichtung zur Korrektheit der Lizenzierung: „You remain responsible for compliance with any license restrictions applicable to the on premise licenses (including metrics), as defined in Your Program order for those licenses.”

Siehe “Oracle PaaS and IaaS Universal Credits Service Descriptions”

(<http://www.oracle.com/us/corporate/contracts/cloud-services/paas-iaas-universal-credits-3932357.html>)

und “Oracle stellt neue Cloud-Lizenz- und Nutzungsmodelle vor”

(<https://www.oracle.com/de/corporate/pressrelease/oracle-announce-cloud-programs-to-reduce-tco-20170920.html>)

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Abb.6: Lizenzierung in der Cloud – Bring Your Own License (BYOL)

Licensing Oracle Software in the Cloud Computing Environment

Approved Vendors

This policy applies to cloud computing environments from the following vendors: Amazon Web Services - Amazon Elastic Compute Cloud (EC2), Amazon Relational Database Service (RDS) and Microsoft Azure Platform (collectively, the ‘Authorized Cloud Environments’). This policy applies to [these Oracle programs](#).

For the purposes of licensing Oracle programs in an Authorized Cloud Environment, customers are required to count as follows:

- Amazon EC2 and RDS - count two vCPUs as equivalent to one Oracle Processor license if hyper-threading is enabled, and one vCPU as equivalent to one Oracle Processor license if hyper-threading is not enabled.
- Microsoft Azure - count one Azure CPU Core as equivalent to one Oracle Processor license.

When counting Oracle Processor license requirements in Authorized Cloud Environments, the Oracle Processor Core Factor Table is not applicable.

When licensing Oracle programs with Standard Edition One, Standard Edition 2, or Standard Edition in the product name, the pricing is based on the size of the instance. Authorized Cloud Environment instances with four or fewer Amazon vCPUs, or two or fewer Azure CPU Cores, are counted as 1 socket, which is considered equivalent to an Oracle processor license. For Authorized Cloud Environment instances with more than four Amazon vCPUs, or more than two Azure CPU Cores, every four Amazon vCPUs used (rounded up to the nearest multiple of four), and every two Azure CPU Cores used (rounded up to the nearest multiple of two) equate to a licensing requirement of one socket.

Abb.7: Licensing Oracle Software in Authorized Cloud Environments

44.3.2 Running Usage Tracking Reports:

1. From the **Catalog** menu, select **Shared Folders**, then select **Enterprise Manager Cloud Control**, then **Usage Tracking Reports**, then **Database Usage Tracking Report**, and finally **Schedule**.

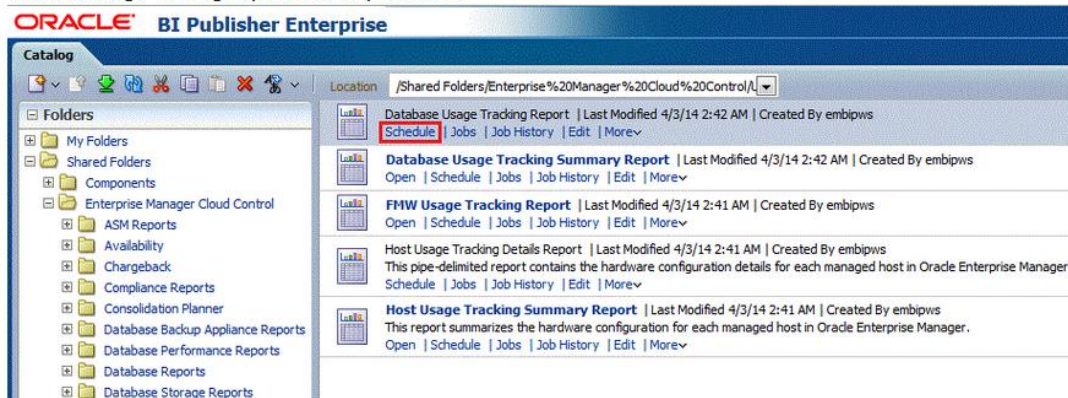


Abb.8 Hilfe bei der Nutzungserfassung - OEM Usage Tracking Reports

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Oracle Enterprise Manager in der Amazon Cloud

Oracle Enterprise Manager for Amazon Web Services (AWS) Plug-in

“The Oracle Enterprise Manager Plug-in for Amazon Web Services extends Oracle Enterprise Manager Cloud Control to monitoring of remote Amazon Web Services instances. Monitoring is enabled via Amazon CloudWatch API. Users are responsible for supplying credentials for accessing AWS and the CloudWatch API. By deploying the plug-in within your Cloud Control environment, you gain the following management features:

- Monitor EBS, EC2 and RDS instances on Amazon Web Services
- Gather performance metrics and configuration details for AWS instances
- Raise alerts and violations based on thresholds set on monitoring
- Generate reports based on the gathered data”

Für weitere Informationen siehe <http://www.oracle.com/technetwork/oem/grid-control/downloads/oem-aws-plugin-1852739.html>

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Abb.9: Oracle Enterprise Manager in der Amazon Cloud

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