Oracle® Database
データベース・ライセンス情報ユーザー・マニュアル
19c

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タイトルおよび著作権情報

Oracle Databaseデータベース・ライセンス情報ユーザー・マニュアル, 19c

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    - A.1 Apache Commons Math 3.6.1 License
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    - A.10 DeepLearning4j 0.9.1 License
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    - A.13 Font Awesome 5.1.0 License
    - A.14 GeoNames Data 1.1.11 License

- A.15 Geospatial Data Abstraction Library/OpenGIS Simple Features Reference Implementation (GDAL/OGR) 2.4 License
- A.16 HttpComponents HttpClient 4.5.6 License
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- A.36 Protocol Buffers (aka Google protobuf) 3.5.1 License
- A.37 Python 3.7.1 License
- A.38 Sys::SigAction 0.21 License
- A.39 The Apache Software License, Version 1.1
- A.40 The Apache Software License, Version 2.0
- A.41 XMLBeans 2.6.4 License
- A.42 XML::Simple 2.25 License
- A.43 Xerces2 Java 2.12.0 License
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- 索引

はじめに

ここでは、次の項目について説明します。

- 対象読者
- ドキュメントのアクセシビリティについて
- ダイバーシティ＆インクルージョン
- 関連ドキュメント
- 表記規則

対象読者

このマニュアルは、Oracle Database 19cのすべての購入者を対象としています。

ドキュメントのアクセシビリティについて

オラクルのアクセシビリティについての詳細情報は、Oracle Accessibility ProgramのWeb サイト(http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc)を参照してください。

Oracleサポートへのアクセス

サポートをご契約のお客様には、My Oracle Supportを通して電子支援サービスを提供しています。詳細情報は(http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info)か、聴覚に障害のあるお客様は(http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs)を参照してください。

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関連ドキュメント

詳細は、次のOracleマニュアルを参照してください。

- 今回のリリースのOracle Databaseにおける新機能の詳細は、Oracle Database新機能ガイドを参照してください。
- Oracle Global Pricing and Licensingについては、次を参照してください。

  http://www.oracle.com/us/corporate/pricing/index.html
- Oracle Databaseライセンスのガイドラインについては、次を参照してください。

  https://www.oracle.com/assets/databaselicensing-070584.pdf

表記規則

このマニュアルでは次の表記規則を使用します。

規則	意味
太字	太字は、操作に関連する Graphical User Interface 要素、または本文中で定義されている用語および用語集に記載されている用語を示します。
イタリック体	イタリックは、ユーザーが特定の値を指定するプレースホルダ変数を示します。
固定幅フォント	固定幅フォントは、段落内のコマンド、URL、サンプル内のコード、画面に表示されるテキスト、または入力するテキストを示します。

1 ライセンス情報

- 概要
- Oracle Database製品
- Oracle Database製品で許可される機能、オプションおよびManagement Pack
- Oracle Databaseオプションおよび許可される機能
- Oracle Management Packおよび許可される機能
- 機能、オプションおよびManagement Packの使用状況の確認
- 特別なライセンス権限
- 使用制限付きライセンス

1.1 概要

このライセンス情報ドキュメントは、Oracleライセンス契約の条件に基づく製品またはプログラム・ドキュメントの一部であり、このドキュメントで説明されているOracleソフトウェア・プログラム(ここではプログラムと呼ぶ)に関連のあるプログラム・エディション、権利、制限、前提条件、特殊なライセンス権、または別個にライセンスを付与されたサード・パーティのテクノロジ条件(あるいはそれらすべて)をユーザーが理解する際に役立つよう作成されています。このドキュメントで説明されている、権利を有するか使用制限のある製品またはコンポーネントが、特定のプログラムで提供されていない場合は、Oracle Software Delivery Cloud Webサイト(https://edelivery.oracle.com)、またはOracleが提供するメディアから入手できます。ライセンスの権利と義務に関するご質問は、オラクル社の販売代理店にお問合せいただくか、Oracleのソフトウェア投資ガイド(http://www.oracle.com/us/corporate/pricing/software-investment-guide/index.html)の情報を参照するか、またはhttp://www.oracle.com/us/corporate/license-management-services/index.htmlの該当するOracle License Management Servicesの担当までご連絡ください。

1.2 Oracle Database製品

表1-1 Oracle Database製品

Oracle Database製品	製品タイプ	このガイドで使用されている省略名	説明
Oracle Database Standard Edition 2	オンプレミス	SE2	Oracle Database Standard Edition 2 には、ワークグループ、部門レベルおよび Web アプリケーションの開発に必要な機能が含まれます。
Oracle Database Enterprise Edition	オンプレミス	EE	Oracle Database Enterprise Edition は、大規模なオンライン・トランザクション処理(OLTP)アプリケーション、問合せが集中するデータ・ウェアハウスおよび要求の厳しいインターネット・アプリケーションなどのアプリケーションを開発するために、パフォーマンス、可用性、スケーラビリティおよびセキュリティを提供します。

Oracle Database製品	製品タイプ	このガイドで使用されている省略名	説明
			Oracle Database Enterprise Edition は、Oracle Database オプションおよび Oracle Management Pack を購入することで強化できます。
エンジニアド・システム上の Oracle Database Enterprise Edition	オンプレミス	EE-ES	オンプレミスのエンジニアド・システム(Oracle Exadata データベース・マシンまたは Oracle Database Appliance)にインストールされる Oracle Database Enterprise Edition ソフトウェア。 Oracle Database のコンポーネントがすべて含まれます。Oracle Database Enterprise Edition は、Oracle Database オプションおよび Oracle Management Pack を購入することで強化できます。 EE-ES が Oracle Exadata データベース・マシンと Oracle Database Appliance のどちらにインストールされているかによって、ライセンス・ポリシーが異なります。これらの違いはこのガイドの後続の項に記載されていますので、必ず確認してください。
Oracle Database Personal Edition	オンプレミス	PE	Oracle Database Personal Edition は、Oracle Database Standard Edition 2 および Oracle Database Enterprise Edition との完全な互換性を必要とするシングルユーザーの開発およびデプロイメント環境をサポートしています。 Enterprise Edition に付属するすべてのコンポーネントが含まれる他、Oracle Database のオプションも、Personal Edition では使用できない Oracle RAC One Node および Oracle Real Application Clusters のオプションを除いて、すべて含まれます。Personal Edition は、Linux および Windows のプラットフォームでのみ使用できます。Oracle Management Pack は、Personal Edition で使用できません。
Oracle Database Cloud Service Standard Edition	クラウド	DBCS SE	Oracle Database Standard Edition 2 ソフトウェアが含まれています。

Oracle Database製品	製品タイプ	このガイドで使用されている省略名	説明
Oracle Database Cloud Service Enterprise Edition	クラウド	DBCS EE	Oracle Database Enterprise Edition ソフトウェアが含まれています。
Oracle Database Cloud Service Enterprise Edition - High Performance	クラウド	DBCS EE-HP	Oracle Database Enterprise Edition ソフトウェアと、多くの Oracle Database オプションおよび Oracle Management Pack を含みます。
Oracle Database Cloud Service Enterprise Edition - Extreme Performance	クラウド	DBCS EE-EP	Oracle Database Enterprise Edition ソフトウェアと、すべての Oracle Database オプションおよび Oracle Database Cloud Service での使用に適した Oracle Management Pack を含みます。
Oracle Database Exadata Cloud Service Oracle Database Exadata Cloud@Customer	クラウド	ExaCS/CC	このガイドでは、Oracle Database Exadata Cloud Service および Oracle Database Exadata Cloud@Customer の両方のライセンス・ポリシーを説明するために ExaCS/CC を使用します。 これらの製品には、Oracle Database Enterprise Edition ソフトウェアと、すべての Oracle Database オプションおよび Oracle Database Exadata Cloud Service または Oracle Database Exadata Cloud@Customer での使用に適した Oracle Management Pack を含みます。

ノート:

前述の表にリストされているOracle Database製品に加えて、このガイドでは、非Oracle Public Cloud環境でのライセンス・ポリシーも説明します。このガイドでは、非Oracle Public Cloud環境を次のように定義します:

- (a) 非Oracle Public Clouds。例: Google Cloud Platform、Amazon AWS、Microsoft Azure、IBM Cloud、Alibaba Cloudなど。

または

- (b) 形式を問わず非Oracle Public Cloudの拡張であると考えられる環境。非Oracleクラウド管理ソフトウェア、クラウド請求、クラウド・サポート、クラウド自動化、クラウド・イメージまたはクラウド・モニタリングの実行などが含まれますが、これらに限定されません。例: Google Bare Metal Solution、Amazon AWS Outpost、Microsoft Azure Stack、IBM Bluemix Local、Alibaba Hybrid Cloudなど。

詳細は、次のURLにあるMy Oracle Supportのノート2688277.1「Oracle Database Support for Non-Oracle Public Cloud Environments」を参照してください:

https://support.oracle.com/rs?type=doc&id=2688277.1

1.3 Oracle Database製品で許可される機能、オプションおよびManagement Pack

この項の表には、Oracle Databaseの機能、オプションおよびManagement Packの名前と、各Oracle Database製品でのそれらの使用可否が記載されています。列のYは機能、オプションまたはパックが対象の製品で使用可能であること、Nは使用不可であること、N/Aは該当しないことを示します。これらの表は、簡単にOracle Database製品間の違いを理解して最適なものを判別するのに役立ちます。

表は次の機能カテゴリごとに作成されています。

- 統合 - 表1-2
- 開発プラットフォーム - 表1-3
- 高可用性 - 表1-4
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- VLDB、データ・ウェアハウスおよびビジネス・インテリジェンス - 表 1-13

表1-2 統合

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS/CC	ノート
Oracle Multitenant - PDBの数	3	252	4096	3	3	4096	4096	4096	各列の数値は、各製品に対して作成できるプラガブル・データベース(PDB)の最大数を示します。 ● いずれの製品でも、Oracle Multitenantのライセンスが供与されていない場合、特定のコンテナ・データベースでいつでも最

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS/CC	ノート
									大 3 個までユーザー作成 PDB を利用できます。 ● EE: 追加費用オプションで、Oracle Multitenant のライセンスが供与されている場合、最大 252 個まで PDB を作成できます。 ● EE-ES: 追加費用オプションで、Oracle Multitenant のライセンスが供与されている場合、最大 4096 個まで PDB を作成できます。 ● DBCS EE-HP、DBCS EE-EP および ExaCS/CC: ライセンス付属オプション: 最大 4096 個まで PDB を作成できます。BYOL オプション: Oracle Multitenant オプションを購入しないかぎり、PDB は 3 個までに制限されます。 Oracle 以外のクラウド環境: コンテナ・データベース 1 つにつき、プラガブル・データベースは 3 つまで使用可能です。

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
									ノート: ライセンス上の観点では、1 つの非 CDB インスタンスは、1 つの CDB 上の 1 つのユーザー作成 PDB と同等です。
CDB フリート管理	N	N	Y	N	Y	Y	Y	Y	
PDB スナップショット・カルーセル	N	N	Y	N	Y	Y	Y	Y	
リフレッシュ可能 PDB スイッチオーバー	N	N	Y	Y	Y	Y	Y	Y	

表1-3 開発プラットフォーム

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
SQLJ	Y	Y	Y	Y	Y	Y	Y	Y	Oracle Programmer が必要
Oracle Developer Tools for Visual Studio	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	Windows のみ
Microsoft 分散トランザクション・コーディネータのサポート	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	Windows のみ
ネイティブ.NET データ・プロバイダ — ODP.NET	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	Windows のみ
.NET ストアド・プロシージャ	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	Windows のみ

表1-4 高可用性

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS/CC	ノート
アプリケーション・コンティニュイティ	N	Y	Y	N	N	N	Y	Y	EE および EE-ES: Oracle Active Data Guard オプション、Oracle RAC One Node オプションまたは Oracle Real Application Clusters オプションが必要
Oracle Sharding	N	Y	Y	N	Y	Y	Y	Y	EE および EE-ES: すべてのシャードに Oracle Active Data Guard、Oracle GoldenGate または Oracle RAC のライセンスがある場合、プライマリ・シャードまたはスタンバイ・シャードの数は無制限です。Oracle Active Data Guard、Oracle GoldenGate または Oracle RAC のライセンスがない場合、シャードの使用はプライマリ・シャード 3 個と基本的な Data Guard スタンバイに制限されます。 DBCS EE、DBCS EE-HP および非 Oracle Public Cloud 環境: プライマリ・シャードは 3 個の使用に制限されますが、スタンバイ・シャードの数は無制限です。 DBCS EE-EP および ExaCS/CC: プライマリ・シャードまたはスタンバイ・シャードの数は無制限です。
Oracle Fail Safe	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	Windows のみ

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
Oracle RAC One Node	N	Y	Y	N	N	N	N	N	EE および EE-ES: 追加費用オプション
Standard Edition High Availability	Y	N	N	N	N	N	N	N	
Oracle Data Guard — REDO Apply	N	Y	Y	N	Y	Y	Y	Y	
Oracle Data Guard — 遠隔同期スタンバイ	N	Y	Y	N	N	N	Y	Y	EE および EE-ES: Oracle Active Data Guard オプションが必要
Oracle Data Guard — SQL Apply	N	Y	Y	N	Y	Y	Y	Y	
Oracle Data Guard — スナップショット・スタンバイ	N	Y	Y	N	Y	Y	Y	Y	
Oracle Data Guard — リアルタイム・カスケード・スタンバイ	N	Y	Y	N	N	N	Y	Y	EE および EE-ES: Oracle Active Data Guard オプションが必要
Oracle Data Guard — Data Guard スタンバイ・データベースにおけるログに記録されないブロックの自動修正	N	N	Y	N	N	N	Y	Y	EE-ES: Oracle Active Data Guard オプションが必要
Oracle Active Data Guard	N	Y	Y	N	N	N	Y	Y	EE および EE-ES: 追加費用オプション 非 Oracle Public Cloud 環境: Active Data

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
									Guard DML リダイレクションは使用できません
ローリング・アップグレード — パッチ・セット、データベースおよびオペレーティング・システム	N	Y	Y	N	Y	Y	Y	Y	
Active Data Guard を使用したローリング・アップグレード	N	Y	Y	N	N	N	Y	Y	EE および EE-ES: Oracle Active Data Guard オプションが必要
オンライン索引再ビルド	N	Y	Y	N	Y	Y	Y	Y	
オンライン表編成	N	Y	Y	N	Y	Y	Y	Y	ALTER TABLE ...MOVE ONLINE 操作
オンライン表再定義	N	Y	Y	N	Y	Y	Y	Y	DBMS_REDEFINITION パッケージを使用
多重化バックアップ・セット	N	Y	Y	N	Y	Y	Y	Y	
高速増分バックアップのブロック変更トラッキング	N	Y	Y	N	Y	Y	Y	Y	
バックアップでの未使用ブロックの圧縮	N	Y	Y	N	Y	Y	Y	Y	
ブロックレベル・メディア・リカバリ	N	Y	Y	N	Y	Y	Y	Y	
書込みの欠落保護	N	Y	Y	N	Y	Y	Y	Y	
自動ブロック修復	N	Y	Y	N	N	N	Y	Y	EE および EE-ES: Oracle Active Data Guard オプションが必要

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
パラレル・バックアップおよびリカバリ	N	Y	Y	N	Y	Y	Y	Y	
表領域の Point-in-Time リカバリ	N	Y	Y	N	Y	Y	Y	Y	
試行リカバリ	N	Y	Y	N	Y	Y	Y	Y	
ファスト・スタート・フォルト・リカバリ	N	Y	Y	N	Y	Y	Y	Y	
フラッシュバック表	N	Y	Y	N	Y	Y	Y	Y	
フラッシュバック・データベース	N	Y	Y	N	Y	Y	Y	Y	
フラッシュバック・トランザクション	N	Y	Y	N	Y	Y	Y	Y	
フラッシュバック・トランザクション問合せ	N	Y	Y	N	Y	Y	Y	Y	
フラッシュバック・タイム・トラベルの最適化 (旧フラッシュバック・データ・アーカイブの最適化)	N	Y	Y	N	N	Y	Y	Y	フラッシュバック・タイム・トラベルの基本機能はすべての製品で利用できます EE および EE-ES: フラッシュバック・タイム・トラベルの最適化には Oracle Advanced Compression オプションが必要
オンラインでのデータファイル移動	N	Y	Y	N	Y	Y	Y	Y	
Transaction Guard	N	Y	Y	N	Y	Y	Y	Y	

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
クロス・プラットフォーム・バックアップおよびリカバリ	N	Y	Y	N	Y	Y	Y	Y	
グローバル・データ・サービス	N	Y	Y	N	N	N	Y	Y	EE および EE-ES: Oracle Active Data Guard オプションが必要
RMAN バックアップから表や表パーティションを回復	N	Y	Y	N	Y	Y	Y	Y	

表1-5 統合

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
Database Gateways	Y	Y	Y	Y	Y	Y	Y	Y	Database Gateway for ODBC はすべての製品に含まれています。 その他のすべての Database Gateway 製品をすべての製品で使用できますが、別途製品ライセンスが必要です。
Messaging Gateway	N	Y	Y	N	Y	Y	Y	Y	
AQ シャード・キュー	Y	Y	Y	Y	Y	Y	Y	Y	Oracle Partitioning の使用制限付きライセンスが含まれています。詳細は、「使用制限付きライセンス」の AQ シャード・キューを参照してください。

表1-6 管理性

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS/CC	ノート
Oracle Cloud Management Pack for Oracle Database	N	Y	Y	N	N	Y	Y	Y	EE および EE-ES: 追加費用オプション
Oracle Data Masking and Subsetting Pack	N	Y	Y	N	Y	Y	Y	Y	EE および EE-ES: 追加費用オプション
Oracle Database Lifecycle Management Pack for Oracle Database	N	Y	Y	N	N	Y	Y	Y	EE および EE-ES: 追加費用オプション
Oracle Diagnostics Pack	N	Y	Y	N	Y	Y	Y	Y	EE および EE-ES: 追加費用オプション
Oracle Tuning Pack	N	Y	Y	N	Y	Y	Y	Y	EE および EE-ES: 追加費用オプションで、Oracle Diagnostics Pack も必要
Oracle Real Application Testing	N	Y	Y	N	Y	Y	Y	Y	EE および EE-ES: 追加費用オプション
データベース・リソース・マネージャ	N	Y	Y	N	Y	Y	Y	Y	
I/O リソース管	N	N	Y	N	N	N	N	Y	

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS/CC	ノート
理									
インスタンス・ケージング	Y	Y	Y	Y	Y	Y	Y	Y	
SQL 計画の管理	Y (ノートを参照)	Y	Y	Y (ノートを参照)	Y	Y	Y	Y	SQL 計画の管理では Oracle Diagnostics Pack または Oracle Tuning Pack のライセンスは不要 SE2 および DBCS SE サマリー: 1 つの SQL 文で 1 つの SQL 計画ベースラインのみ許可され、SQL 計画の展開は無効 SE2 および DBCS SE 詳細: 1. SQL 計画ベースラインは次のメソッドで作成または取得できます。 ● 自動取得 (OPTIMIZER_CAPTURE_SQL_PLAN_BASELINE=TRUE) ● カーソル・キャッシュからの手動ロード (DBMS_SPM.LOAD_PLANS_FROM CURSOR_CACHE) ● ストアド・アウトラインからの移行 (DBMS_SPM.MIGRATE_STORED_OUTLINE) ● DBMS_SPM.UNPACK_STGTAB_BASEL

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS/CC	ノート
									INE を使用したインポート 2. 取得および作成メソッドで保存されるのは、1 つの SQL 文につき 1 つの SQL 計画ベースラインのみです。 3. SQL 計画ベースラインをエクスポートおよびインポートするには、DBMS_SPM.CREATE_STGTAB_BASELINE、DBMS_SPM.PACK_STGTAB_BASELINE および DBMS_SPM.UNPACK_STGTAB_BASELINE を使用します。 4. 使用されていない SQL 計画ベースラインの自動パージは行われません。 5. SQL 文の代替 SQL 実行計画は SQL 計画履歴に追加されません。 6. SQL 計画ベースラインは変更および削除できます (DBMS_SPM.ALTER_SQL_PLAN_BASELINE および DBMS_SPM.DROP_SQL_PLAN_BASELINE)。 7. 次の DBMS_SPM 関数およびプロシージャは許可されません: CONFIGURE、LOAD_PLANS_FROM_AWR、LOAD_PLANS_FROM_SQLSET および SQL 計画展開

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS/CC	ノート
									に関連付けられているすべての関数およびプロシージャ。
SQL 計画の自動管理	N	N	Y	N	N	N	N	Y	EE-ES: Exadata 上で使用可能。Oracle Database Appliance 上では使用不可
SQL チューニング・セット	N	Y	Y	N	Y	Y	Y	Y	EE および EE-ES: SQL チューニング・セットは、データベース・サーバーAPI およびコマンドライン・インタフェースでもアクセスできます。DBMS_SQLSET パッケージ内のサブプログラムを使用した SQL チューニング・セットの管理は、EE および EE-ES 製品の一部です。また、DBMS_SQLTUNE パッケージに含まれている次のサブプログラムでは、SQL チューニング・セットを管理するための古いインタフェースが提供されますが、これらも EE および EE-ES 製品の一部です: ADD_SQLSET_REFERENCE 、CAPTURE_CURSOR_CACHE_SQLSET 、CREATE_SQLSET、CREATE_STGTAB_SQLSET、DELETE_SQLSET、DROP_SQLSET、LOAD_SQLSET、PACK_STGTAB_SQLSET、REMOVE_SQLSET_REFERENCE、SELECT_CURSOR_CACHE、SELECT_SQLSET、SELECT_WORKLOAD_REPOSITORY、UNPACK_STGTAB_SQLSET、UPDATE_SQLSET
Oracle Fleet Patching and	N	Y	Y	N/A	N/A	N/A	N/A	N/A	EE および EE-ES: 複数のクラスタをまたがるデプロイの場合、各 FPP 管理対象ターゲットには次のいずれ

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS/CC	ノート
Provisioning (以前のラピッド・ホーム・プロビジョニング)									か 1 つがライセンス付与されている必要があります: Oracle Database Lifecycle Management Pack、Oracle RAC、または Oracle RAC One Node

表1-7 ネットワーク

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS/CC	ノート
RDMA ファブリック	N	N	Y	N	N	N	N	Y	EE-ES: Exadata 上で使用可能。Oracle Database Appliance 上では使用不可
Oracle Connection Manager	N	Y	Y	N	Y	Y	Y	Y	Oracle Database クライアント(通常、別のマシンまたはコンピュート・インスタンスにインストールされる)のカスタム・インストールを介して使用可能
ネットワーク圧縮	N	Y	Y	N	N	Y	Y	Y	EE および EE-ES: Oracle Advanced Compression オプションが必要

表1-8 パフォーマンス

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS/CC	ノート
自動索引付け	N	N	Y	N	N	N	N	Y	EE-ES: Exadata 上で使用可能。Oracle Database Appliance 上では使用不可
SQL 隔離	N	N	Y	N	N	N	N	Y	EE-ES: Exadata 上で使用可能。Oracle Database

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS/CC	ノート
									Appliance 上では使用不可
リアルタイム統計	N	N	Y	N	N	N	N	Y	EE-ES: Exadata 上で使用可能。Oracle Database Appliance 上では使用不可
高頻度の自動オプティマイザ統計収集	N	N	Y	N	N	N	N	Y	EE-ES: Exadata 上で使用可能。Oracle Database Appliance 上では使用不可
高頻度の自動 SPM 展開アドバイザ・タスク	N	N	Y	N	N	N	N	Y	この機能を有効にするには、DBMS_SPM.CONFIGURE プロシージャで AUTO_SPM_EVOLVE_TASK パラメータを設定します。 EE-ES: Exadata 上で使用可能。Oracle Database Appliance 上では使用不可
クライアント側問合せキャッシュ	N	Y	Y	N	Y	Y	Y	Y	
問合せ結果キャッシュ	N	Y	Y	N	Y	Y	Y	Y	
PL/SQL ファンクション結果キャッシュ	N	Y	Y	N	Y	Y	Y	Y	
Oracle TimesTen Application-Tier Database Cache	N	Y	Y	N	N	N	N	N	EE および EE-ES: 追加費用オプション
データベース・スマート・フラッシュ・キャッシュ	N	Y	Y	N/A	N/A	N/A	N/A	N/A	EE: Solaris および Oracle Linux のみ EE-ES: Oracle Database Appliance 上で使用可能。Exadata 上では使用不可

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
Oracle Exadata Storage Server ソフトウェアのサポート	N	N	Y	N	N	N	N	Y	EE-ES: Exadata 上で使用可能。Oracle Database Appliance 上では使用不可
適応実行計画	N	Y	Y	N	Y	Y	Y	Y	
UNION および UNION ALL ブランチの同時実行	N	Y	Y	N	Y	Y	Y	Y	
Oracle Database In-Memory	N	Y	Y	N	N	N	Y	Y	EE および EE-ES: 追加費用オプション
ストレージ・サーバー上のインメモリー列キャッシュ	N	N	Y	N	N	N	N	Y	EE-ES: Exadata 上で使用可能であり、Oracle Database In-Memory オプションが必要。Oracle Database Appliance 上では使用不可。 Exadata または Supercluster が必要
Active Data Guard スタンバイのインメモリー列ストア	N	N	Y	N	N	N	N	Y	EE-ES: Exadata 上で使用可能であり、Oracle Database In-Memory オプションおよび Oracle Active Data Guard オプションが必要。Oracle Database Appliance 上では使用不可
フォルト・トレラント・インメモリー列ストア	N	N	Y	N	N	N	N	Y	EE-ES: Exadata および Oracle Database Appliance 上で使用可能。Oracle Database In-Memory オプションおよび Oracle Real Application Clusters オプションが必要

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS/CC	ノート
									Exadata、Supercluster またはインフィニバンドベースの Oracle Database Appliance が必要
自動インメモリー	N	Y	Y	N	N	N	Y	Y	EE および EE-ES: Oracle Database In-Memory オプションが必要
外部表に対するインメモリー列ストアのサポート	N	Y	Y	N	N	N	Y	Y	EE および EE-ES: Oracle Database In-Memory オプションが必要 ノート: ここに示すライセンス・ポリシーは、Oracle Database リリース 19c、バージョン 19.12 以降からこの機能に適用されます。Oracle Database リリース 19c の旧バージョンでは、この機能を使用できるのは、Exadata オンプレミス・システム(Oracle Database In-Memory オプションが必要)および ExaCS/CC のみです。
インメモリー集計	N	Y	Y	N	N	N	Y	Y	EE および EE-ES: Oracle Database In-Memory オプションが必要
データベース・インメモリー・ベース・レベル	N	Y	Y	N	N	N	Y	Y	Oracle Database In-Memory 機能を Oracle Database In-Memory オプションを購入せずに試験的に使用できます。次の制限が適用されます。 ● インメモリー領域(INMEMORY_SIZE)の

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
									サイズは、1CDB につき最大 16 GB に制限されます。Oracle RAC 環境の場合、サイズは 1 インスタンスにつき最大 16 GB に制限されます。 ● すべてのオブジェクトおよび列の圧縮レベルが、意識されることなく自動的に QUERY LOW に設定されます。 ● 自動インメモリー機能は無効です。 ● インメモリー列ストアの機能の追跡は "In-Memory Column Store" でなく "In-Memory Base Level" として追跡されます。 ● CellMemory 機能は Oracle Exadata では無効になります。 非 Oracle Public Cloud 環境では使用できません
Memoptimized Rowstore	N	Y	Y	N	Y	Y	Y	Y	ノート: ここに示すライセンス・ポリシーは、Oracle Database リリース 19c、バージョン 19.12 以降からこの機能に適用されます。Oracle Database リリース 19c の旧バージョンでは、この機能を使用できるのは、

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
									Exadata オンプレミス・システムおよび ExaCS/CC のみです。
属性クラスタリング	N	Y	Y	N	Y	Y	Y	Y	
ゾーン・マップ	N	N	Y	N	N	N	N	Y	EE-ES: Exadata 上で使用可能であり、Oracle Partitioning オプションが必要。Oracle Database Appliance 上では使用不可

表1-9 スケーラビリティ

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
Oracle Real Application Clusters (Oracle RAC)	N	Y	Y	N	N	N	Y	Y	EE および EE-ES: 追加費用オプション
自動ワークロード管理	N	Y	Y	N	N	N	Y	Y	EE および EE-ES: Oracle Real Application Clusters オプションが必要
サービスの品質管理	N	Y	Y	N	N	N	Y	Y	EE および EE-ES: Oracle RAC One Node オプションまたは Oracle Real Application Clusters オプションが必要
Oracle NoSQL Database Enterprise Edition	N	Y	Y	N/A	N/A	N/A	N/A	N/A	

表1-10 セキュリティ

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS/CC	ノート
列の透過的データ暗号化(TDE)	N	Y	Y	N	N	Y	Y	Y	EE および EE-ES: Oracle Advanced Security オプションが必要
表領域の透過的データ暗号化(TDE)	N	Y	Y	Y	Y	Y	Y	Y	EE および EE-ES: Oracle Advanced Security オプションが必要
Oracle Advanced Security	N	Y	Y	N	N	Y	Y	Y	EE および EE-ES: 追加費用オプション
Oracle Database Vault	N	Y	Y	N	N	Y	Y	Y	EE および EE-ES: 追加費用オプション
Oracle Label Security	N	Y	Y	N	N	Y	Y	Y	EE および EE-ES: 追加費用オプション
エンタープライズ・ユーザー・セキュリティ	N	Y	Y	N	Y	Y	Y	Y	EE、EE-ES、DBCS EE、DBCS EE-HP、DBCS EE-EP および ExaCS/CC: エンタープライズ・ユーザー・セキュリティはディレクトリベースのデータベース・ユーザー管理機能です。対応する Oracle Identity Management Directory Services Plus のライセンス供与が必要です。
ユーザーの集中管理	N	Y	Y	N	Y	Y	Y	Y	EE、EE-ES、DBCS EE、DBCS EE-HP、DBCS EE-EP および ExaCS/CC: ユーザーの集中管理は Microsoft Active Directory でデータベース・ユーザーの認証と承認を集中管理する機能です。

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
ファイングレイン監査	N	Y	Y	N	Y	Y	Y	Y	
Privilege Analysis	N	Y	Y	N	Y	Y	Y	Y	
Real Application Security	N	Y	Y	N	Y	Y	Y	Y	
リダクション	N	Y	Y	N	N	Y	Y	Y	EE および EE-ES: Oracle Advanced Security オプションが必要
透過的機密データの保護	N	Y	Y	N	Y	Y	Y	Y	
仮想プライベート・データベース	N	Y	Y	N	Y	Y	Y	Y	
各プラガブル・データベース用のキーストア	N	Y	Y	N	Y	Y	Y	Y	EE: この機能は Oracle Database リリース 19c、バージョン 19.14 から使用可能で、Oracle Advanced Security オプションが必要です。 EE-ES: Oracle Advanced Security オプションが必要 非 Oracle Public Cloud 環境では使用できません

表1-11 スナップショットおよびクローニング

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
記憶域スナップショットの最適化	N	Y	Y	N/A	N/A	N/A	N/A	N/A	EE および EE-ES: Oracle Advanced Compression オプションが必要

表1-12 空間およびグラフ・データ

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
Oracle Spatial and Graph	Y	Y	Y	Y	Y	Y	Y	Y	Oracle Spatial and Graph について追加費用のライセンスは不要になりました。詳細は Oracle Database Insider blog post を参照してください。
プロパティ・グラフおよび RDF グラフ・テクノロジ(RDF/OWL)	Y	Y	Y	Y	Y	Y	Y	Y	プロパティ・グラフおよび RDF グラフ・テクノロジ (RDF/OWL)について追加費用のライセンスは不要になりました。詳細は Oracle Database Insider blog post を参照してください。
パラレル空間索引作成	N	Y	Y	N	Y	Y	Y	Y	
パーティション化された空間索引	N	Y	Y	N	N	Y	Y	Y	EE および EE-ES: Oracle Partitioning オプションが必要

表1-13 VLDB、データ・ウェアハウスおよびビジネス・インテリジェンス

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
Oracle Partitioning	N	Y	Y	N	N	Y	Y	Y	EE および EE-ES: 追加費用オプション
Oracle On-Line Analytical Processing (OLAP)	N	Y	Y	N	N	Y	Y	Y	EE および EE-ES: 追加費用オプション
Oracle Machine Learning (旧名称 Advanced Analytics)	Y	Y	Y	Y	Y	Y	Y	Y	Oracle Machine Learning について追加費用のライセンスは不要になりました。詳細は Oracle Database Insider blog

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
									post を参照してください。
Oracle Advanced Compression	N	Y	Y	N	N	Y	Y	Y	EE および EE-ES: 追加費用オプション
アドバンスト索引圧縮	N	Y	Y	N	N	Y	Y	Y	EE および EE-ES: Oracle Advanced Compression オプションが必要
接頭辞圧縮(キー圧縮とも呼ばれる)	N	Y	Y	N	Y	Y	Y	Y	
ハイブリッド列圧縮	N	Y	Y	N	Y	Y	Y	Y	EE: ZFS、Axiom または FS1 ストレージが必要
ハイブリッド列圧縮の行レベル・ロック	N	Y	Y	N	N	N	N	Y	EE: ZFS または FS1 ストレージと、Oracle Advanced Compression オプションが必要 EE-ES: Oracle Advanced Compression オプションが必要
Exadata Flash Cache Compression	N	N	Y	N	N	N	N	Y	EE-ES: Exadata 上で使用可能であり、Oracle Advanced Compression オプションが必要。Oracle Database Appliance 上では使用不可
ヒート・マップ	N	Y	Y	N	Y	Y	Y	Y	
自動データ最適化	N	Y	Y	N	N	Y	Y	Y	EE および EE-ES: Oracle Advanced

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS /CC	ノート
									Compression オプション、または Oracle Database In-Memory オプションが必要
基本表圧縮	N	Y	Y	N	Y	Y	Y	Y	
遅延セグメントの作成	N	Y	Y	N	Y	Y	Y	Y	
ビットマップ索引、ビットマップ結合索引およびビットマップ計画変換	N	Y	Y	N	Y	Y	Y	Y	
パラレル問合せ/DML	N	Y	Y	N	Y	Y	Y	Y	
パラレル統計収集	N	Y	Y	N	Y	Y	Y	Y	
パラレル索引作成/スキャン	N	Y	Y	N	Y	Y	Y	Y	
パラレル・データ・ポンプ・エクスポート/インポート	N	Y	Y	N	Y	Y	Y	Y	
In-Memory パラレル実行	N	Y	Y	N	Y	Y	Y	Y	
パラレル・ステートメント・キューイング	N	Y	Y	N	Y	Y	Y	Y	
XStream を介したパラレルの取得および適用	N	Y	Y	N	Y	Y	Y	Y	
トランスポータブル表領域(クロス・プラットフォームかつフル・トランスポータブルなエクスポート/イ	N	Y	Y	N	Y	Y	Y	Y	SE2 へのトランスポータブル表領域のインポートはサポートされる

機能/オプション/パック	SE2	EE	EE-ES	DBCS SE	DBCS EE	DBCS EE-HP	DBCS EE-EP	ExaCS/CC	ノート
ンポートを含む)									
サマリー管理 — マテリアライズド・ビューのクエリー・リライト	N	Y	Y	N	Y	Y	Y	Y	

1.4 Oracle Databaseオプションおよび許可される機能

表1-14には、Oracle Databaseオプション、各オプションを使用できるOracle Database製品および各オプションに含まれる機能が示されています。オプションの機能を使用するには、オプションのライセンスが必要です。

表1-14 Oracle Databaseオプションおよび許可される機能

オプション	使用条件	含まれる機能
Oracle Active Data Guard	追加費用オプション: EE、EE-ES 付属オプション: PE、DBCS EE-EP、ExaCS/CC	Oracle Active Data Guard に含まれる機能は、次のとおりです。 ● リアルタイム問合せを使用したフィジカル・スタンバイ ● フィジカル・スタンバイでの高速増分バックアップ ● 自動ブロック修復 ● Active Data Guard 遠隔同期 ● グローバル・データ・サービス ● リアルタイム・カスケード ● アプリケーション・コンティニュイティ ● Active Data Guard を使用したローリング・アップグレード ● Active Data Guard DML リダイレクト(非 Oracle Public Cloud 環境では使用不可) Oracle Data Guard 構成内: ● これらの機能を使用しているスタンバイ・データベースおよびプライマリ・データベースに Oracle Active Data Guard のライセンスが必要になります。Oracle Data Guard 構成に Oracle Active Data Guard 機能を使用していないスタンバイ・データベースが含まれている場合、それらのスタンバイ・データベースには Oracle

オプション	使用条件	含まれる機能
		Active Data Guard のライセンスは不要です。 ノート:スタンバイ・データベースを Zero Data Loss Recovery Appliance (ZDLRA)にバックアップしているお客様がフィジカル・スタンバイでの高速増分バックアップ機能またはリアルタイム・カスケード機能を使用する場合、Oracle Active Data Guard ライセンスは不要です。その他の前述の機能を使用する場合は、スタンバイ・データベースで Oracle Active Data Guard のライセンスが必要です。 ● スタンバイ・データベースのコンテナ・ルート(CDB$Root)は、Oracle Active Data Guard のライセンスがなくても読取り専用で開いておくことができます。Oracle Active Data Guard ライセンスは、スタンバイのプラガブル・データベースを開いて読み取る場合にのみ必要になります。
Oracle Advanced Compression	追加費用オプション: EE、EE-ES 付属オプション: PE、DBCS EE-HP、DBCS EE-EP、ExaCS/CC	Oracle Advanced Compression に含まれる機能は、次のとおりです。 ● 高度な行圧縮 ● 高度な LOB 圧縮 ● 高度な LOB 重複除外 ● RMAN バックアップ圧縮(RMAN DEFAULT COMPRESS には Oracle Advanced Compression オプションが不要) ● データ・ポンプのエクスポート・データ圧縮 (COMPRESSION=METADATA_ONLY には Oracle Advanced Compression オプションが不要) ● 自動データ最適化 ● Data Guard REDO トランスポート圧縮 ● 高度なネットワーク圧縮 ● フラッシュバック・タイム・トラベル履歴表の最適化 ● 記憶域スナップショットの最適化 ● オンライン移動パーティション(任意の圧縮形式に対応)

オプション	使用条件	含まれる機能
		● Exadata フラッシュ・キャッシュ圧縮(この機能は Exadata ストレージ・サーバーでのみ有効にすることが可能で、Exadata ストレージ・サーバーにアクセスするすべてのデータベース・プロセッサには、Oracle Advanced Compression のライセンスが必要です。) ● アドバンスト索引圧縮 ● ハイブリッド列圧縮の行レベル・ロック(Exadata、Oracle Database Appliance、Supercluster、ZFS または FS1 ストレージが必要) ノート: 行レベル・ロックなしでハイブリッド列圧縮を使用するには、Oracle Advanced Compression のライセンスは必要ありません。
Oracle Advanced Security	追加費用オプション: EE、EE-ES 付属オプション: PE、DBCS EE-HP、DBCS EE-EP、ExaCS/CC	Oracle Advanced Security に含まれる機能は、次のとおりです。 ● 列および表領域(Oracle SecureFiles を含む)の透過的データ暗号化(TDE) ● データ・ポンプ・エクスポート・ファイルの暗号化 ● ディスクへの RMAN バックアップの暗号化 ● 暗号化データベース・ファイル・システム(DBFS) ● アプリケーションへ戻される機密データの Data Redaction (完全、部分的、正規表現およびランダム手法) Oracle Advanced Security には、特定の Oracle Enterprise Manager 機能の使用制限付きライセンスが含まれています。詳細は、「使用制限付きライセンス」の Oracle Advanced Security を参照してください。 ノート: ネットワーク暗号化(ネイティブ・ネットワークの暗号化、ネットワーク・データ整合性および SSL/TLS)と厳密認証サービス(Kerberos、PKI および RADIUS)は、Oracle Advanced Security の一部ではなくなり、ライセンスが供与されているすべてのサポート対象リリースの Oracle Database に含まれるようになりました。
Oracle Database	追加費用オプション:	Oracle Database In-Memory に含まれる機能は、次のとおりです。

オプション	使用条件	含まれる機能
In-Memory	EE、EE-ES 付属オプション: PE、DBCS EE-EP、ExaCS/CC	● インメモリー列ストア ● ストレージ・サーバー上のインメモリー列キャッシュ(Exadata または Supercluster が必要) ● フォルト・トレラント・インメモリー列ストア(Exadata、Supercluster またはインフィニバンドベースの Oracle Database Appliance が必要) ● インメモリー集計 ● 自動データ最適化
Oracle Database Vault	追加費用オプション: EE、EE-ES 付属オプション: PE、DBCS EE-HP、DBCS EE-EP、ExaCS/CC	Oracle Database Vault に含まれる機能は、次のとおりです。 ● 職務の分離 ● レルム ● コマンド・ルール ● 信頼できるパス Oracle Multitenant 環境では、Oracle Database Vault が CDB ルートで有効になっている場合、PDB が CDB ルートにプラグインされているかどうかに関係なく、Oracle Database Vault ライセンスが必要です。Oracle Database Vault が CDB ルートにインストールまたは構成されているのみの場合、Oracle Database Vault ライセンスは不要です。Oracle Database Vault ライセンスは CDB 全体に適用されます。個別の PDB のライセンスを取得することはできません。 Oracle Database Enterprise Edition (EE または EE-ES)で Oracle Database Vault を使用するライセンスを購入する場合、Oracle Database Vault のライセンス・メトリックは、Oracle Database Enterprise Edition のライセンス・メトリックと一致する必要があります。 Oracle Database Vault には Oracle Label Security の特別なライセンス権限が含まれています。詳細は、「特別なライセンス権限」の Oracle Database Vault を参照してください。 Oracle Database Vault には、特定の Oracle Enterprise Manager 機能の使用制限付きライセンスが含まれています。詳細は、「使用制限付きライセンス」の Oracle Database Vault を参照してくださ

オプション	使用条件	含まれる機能
		い。
Oracle Label Security	追加費用オプション: EE、EE-ES 付属オプション: PE、DBCS EE-HP、DBCS EE-EP、ExaCS/CC	Oracle Label Security に含まれる機能は、次のとおりです。 ● ラベル・ベースのアクセス制御(BAC) ● 複数レベルのセキュリティ(MLS) ● Oracle Database Vault 用のラベル・ファクタ(Confidential、Sensitive) ● ユーザー・ラベル認可(Confidential、Sensitive: PII) ● データ・ラベル(Sensitive: PII) Oracle Multitenant 環境では、Oracle Label Security ポリシーがコンテナに作成されている場合、Oracle Label Security ライセンスが必要です。Oracle Label Security がコンテナにインストールまたは有効化されているのみの場合、Oracle Label Security ライセンスは不要です。Oracle Label Security ライセンスは CDB 全体に適用されます。個別の PDB のライセンスを取得することはできません。 Oracle Database Enterprise Edition (EE または EE-ES)で Oracle Label Security を使用するためのライセンスを購入する場合、Oracle Label Security のライセンス・メトリックは、Oracle Database Enterprise Edition のライセンス・メトリックと一致する必要があります。 Oracle Label Security には、特定の Oracle Enterprise Manager 機能の使用制限付きライセンスが含まれています。詳細は、「使用制限付きライセンス」の Oracle Label Security を参照してください。
Oracle Multitenant	追加費用オプション: EE、EE-ES 付属オプション: PE、DBCS EE-HP、DBCS EE-EP、ExaCS/CC	Oracle Multitenant に含まれる機能は、次のとおりです。 ● EE および PE では、マルチテナント・コンテナ・データベースごとに最大 252 個のプラガブル・データベースを保持できます。 ● EE-ES、DBCS EE-HP、DBCS EE-EP および ExaCS/CC では、マルチテナント・コンテナ・データベースごとに最大 4096 個のプラガブル・データベースを保持できます。 ノート:ライセンス上の観点では、1 つの非 CDB インスタンスは、1 つの CDB 上の 1 つのユーザー作成 PDB と同等です。

オプション	使用条件	含まれる機能
Oracle On-Line Analytical Processing (OLAP)	追加費用オプション: EE、EE-ES 付属オプション: PE、DBCS EE-HP、DBCS EE-EP、ExaCS/CC	Oracle On-Line Analytical Processing (OLAP)に含まれる機能は、次のとおりです。 ● OLAP キューブの定義、格納および問合せ ● OLAP API およびメタデータ ● OLAP キューブのマテリアライズド・ビュー ● アナリティック・ワークスペース ● OLAP キューブへの SQL アクセス
Oracle Partitioning	追加費用オプション: EE、EE-ES 付属オプション: PE、DBCS EE-HP、DBCS EE-EP、ExaCS/CC	以下は Oracle Partitioning を使用する機能の一部です。 ● 表パーティションおよびサブパーティション ● グローバルならびに索引パーティションおよびサブパーティション ● AQ シャード・キュー ● ゾーン・マップ(EE-ES および ExaCS/CC でのみ使用可能。Exadata または Supercluster が必要)
Oracle RAC One Node	追加費用オプション: EE、EE-ES	Oracle RAC One Node に含まれる機能は、次のとおりです。 ● サーバーまたはインスタンスに障害が発生した場合の、クラスタ内の別のノードに対するデータベースのコールド・フェイルオーバー ● 別のサーバーに対するデータベース・インスタンスのオンライン移行 ● データベース、Grid Infrastructure および OS ホームのオンライン・ローリング・アップグレードのサポート ● Oracle Real Application Clusters へのオンライン・アップグレード ● ポリシー管理型サーバー・プール ● サービスの品質管理 ● アプリケーション・コンティニュイティ

オプション	使用条件	含まれる機能
		● ダウンタイムなしの Oracle Grid Infrastructure パッチ適用
Oracle Real Application Clusters (Oracle RAC)	追加費用オプション: EE、EE-ES 付属オプション: DBCS EE-EP、ExaCS/CC	Oracle Real Application Clusters (Oracle RAC)に含まれる機能は、次のとおりです。 ● Oracle RAC One Node に含まれているすべての機能 ● 複数のサーバーへの Real Application Clusters の拡張 ● 接続ロード・バランシング ● 高速接続フェイルオーバー ● ホット・クラスタ・フェイルオーバー
Oracle Real Application Testing	追加費用オプション: EE、EE-ES 付属オプション: PE、DBCS EE、DBCS EE-HP、DBCS EE-EP、ExaCS/CC	Oracle Real Application Testing に含まれる機能は、次のとおりです。 ● データベース・リプレイ ● SQL パフォーマンス・アナライザ(SPA) ● データベース移行プランナ ● データベース移行ワークベンチ データベース・リプレイ ● Oracle Real Application Testing のライセンスは、データベース・リプレイの取得システムおよびリプレイ・システムの両方で必要であり、これらのシステムでの合計 CPU 数に基づいてライセンス料が決まります。 ● 取得およびリプレイ ASH 分析レポート、期間比較 ADDM レポート、およびリプレイ期間比較レポートの使用には、Oracle Diagnostics Pack ライセンスも必要です。 ● Oracle Real Application Testing ライセンスでは、Oracle Enterprise Manager および以下のデータベース・サーバー・コマンドライン API を介して、データベース・リプレイ機能にアクセスできます: DBMS_WORKLOAD_CAPTURE パッケージおよび DBMS_WORKLOAD_REPLAY パッケージ DBMS_WORKLOAD_REPLAY.COMPARE_PERIOD_REPORT() 関数の

オプション	使用条件	含まれる機能
		使用には、Oracle Diagnostics Pack ライセンスも必要です。 SQL パフォーマンス・アナライザ(SPA) Oracle Real Application Testing ライセンスでは、Oracle Enterprise Manager および Oracle Real Application Testing オプションの一部である以下のデータベース・サーバー・コマンドライン API を介して、SQL パフォーマンス・アナライザ機能にアクセスできます: DBMS_SQLPA パッケージ データベース移行プランナ ● データベース移行プランナは、Enterprise Manager Cloud Control 13.4 でデータベース統合ワークベンチから名称が変更されました。 ● Oracle Enterprise Manager Cloud Control 13c で導入されたデータベース移行プランナは、推測による作業や人的エラーをなくし、データドリブンで体系的な統合アプローチを提供します。 ● データベース移行プランナの統合プランニング機能を使用するには、Oracle Diagnostics Pack ライセンスが必要です。 ● Oracle Real Application Testing ライセンスでは、Oracle Enterprise Manager の「データベース移行プランナ」ページにある以下のリンクにアクセスできます。 ● 「エンタープライズ」メニューから、「移行および統合」、「データベース移行プランナ」の順に選択します。 ● データベース・ターゲットのホーム・ページで、「管理」メニューを選択し、「データベース移行プランナ」を選択します。 ● このページにあるすべての機能、関数、リンク、ボタンおよびドリルダウンは、データベース移行プランナの一部としてライセンス供与されます。 データベース移行ワークベンチ ● Oracle Enterprise Manager Cloud Control 13c リリース 4 で導入されたデータベース移行ワークベンチは、移行サイジングおよびパフォーマンス比較に必要なものをすべて統合する単一の

オプション	使用条件	含まれる機能
		ワークベンチです。 ● Oracle Real Application Testing ライセンスでは、Oracle Enterprise Manager の「データベース移行ワークベンチ」ページにある以下のリンクにアクセスできます。 ● 「エンタープライズ」メニューから、「移行および統合」、「データベース移行ワークベンチ」の順に選択します。 ● このページにあるすべての機能、関数、リンク、ボタンおよびドリルダウンは、データベース移行ワークベンチの一部としてライセンス供与されます。
Oracle TimesTen Application-Tier Database Cache	追加費用オプション: EE、EE-ES 付属オプション: PE	Oracle TimesTen Application-Tier Database Cache に含まれる機能は、次のとおりです。 ● PL/SQL、JDBC、ODBC、ttClasses、OCI および Pro*C/C++の各インタフェースを使用したデータ・アクセス ● 変更通知用のトランザクション・ログ API (XLA) ● マルチノード・キャッシュ・グリッド ● Oracle データベースとの自動データ同期 ● インメモリー・キャッシュ・データベース間のトランザクション・レプリケーション ● 自動障害検出およびデータベース・フェイルオーバー ● Oracle SQL Developer 用の TimesTen 拡張 ● Oracle Enterprise Manager 用の TimesTen プラグイン

1.5 Oracle Management Packおよび許可される機能

表1-15には、Oracle Management Pack、各パックを使用できるOracle Database製品および各パックに含まれる機能が示されています。これらのパックの機能は、Oracle Enterprise Manager、デスクトップ・ウィジェットおよびOracle Databaseソフトウェア付属のAPIを介してアクセスできます。Management Packの機能を使用するには、Management Packのライセンスが必要です。

表1-15 Oracle Management Packおよび許可される機能

Management Pack	使用条件	含まれる機能
Oracle Cloud Management Pack for Oracle Database	追加費用パック: EE、EE-ES 付属パック: DBCS EE-HP、DBCS EE-EP、ExaCS/CC	機能: Oracle Cloud Management Pack for Oracle Database には次の機能が含まれています。 ● 物理的または仮想的インフラストラクチャでの Database-as-a-Service 構成セルフサービス・データベースのプロビジョニング。 ● Enterprise Manager Cloud Control 12c をユーザーが 1 分足らずで設定および構成できる、DBaaS Rapid Start Kit。 ● マルチテナント・コンテナ・データベース(CDB)のプール上でセルフサービス型のプロビジョニングを提供する、Pluggable Database-as-a-Service (PDBaaS)。 ● 共有サーバー、共有クラスタおよび共有データベース(Schema-as-a-Service)デプロイメント・モデルのサポート。 ● 仮想アセンブリのプロビジョニング。たとえば、3 つの VM (2 つの WebLogic Server 管理サーバーと 1 つのデータベース)のアセンブリ・トポロジがある場合、各層を対象にするには両方のパックが必要になります。 ● Oracle データベースの高速で効率的な格納方法であるスナップ・クローニング。 ● RMAN バックアップを使用した完全クローニング。 ● 割当ておよびリタイア・ポリシーによるロール・ベースのアクセスおよびリソース制御。 ● スケジュールおよびパフォーマンスベースのリソース管理ポリシー。 ● データベースの固定費、使用メトリックおよび構成パラメータに基づく測定とチャージバック。 ● セルフサービス・ポータルへのプログラムによるアクセス ● クラウド操作のブループリント・ドリブンのオーケストレーション。 前提条件: Oracle Cloud Management Pack for Oracle Database には、

Management Pack	使用条件	含まれる機能
		Oracle Database Lifecycle Management Pack for Oracle Database が必要です。 ライセンス供与されているリンク: Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Cloud Management Pack for Oracle Database のライセンスが必要です。 「エンタープライズ・サマリー」ホーム・ページで、「エンタープライズ」メニューをクリックします。次を選択します。 ● 「クラウド」、次に「インフラストラクチャ・ホーム」 ● 「クラウド」、次に「インフラストラクチャ・リクエスト・ダッシュボード」 ● 「クラウド」、次に「インフラストラクチャ・ポリシー」 ● 「クラウド」、次に「ミドルウェアおよびデータベース・ホーム」 ● 「クラウド」、次に「ミドルウェアおよびデータベース・リクエスト・ダッシュボード」 ● 「クラウド」、次に「セルフ・サービス・ポータル」 ● 「クラウド」、次に「サービス・インスタンス」 ● 「チャージバック」 ● 「プロビジョニングとパッチ適用」、次に「データベースのプロビジョニング」「データベースのプロビジョニング」ページの左メニュー・ペインにある「関連リンク」セクションで、「プラガブル・データベースのプロビジョニング」をクリックします。次に、「PDB 操作」セクションから、「新規プラガブル・データベースの作成」を選択します。「起動」をクリックし、「プラガブル・データベースの作成オプション」から、「既存の PDB のクローニング」 -> 「スナップ・クローン」を選択します。 「エンタープライズ・サマリー」ホーム・ページで、「設定」メニュークリックします。次を選択します。 ● 「クラウド」。「インフラストラクチャ」を選択します

Management Pack	使用条件	含まれる機能

- 「クラウド」。「データベース」を選択します
- 「プロビジョニングとパッチ適用」、次に「ストレージ登録」

マルチテナント・コンテナ・データベースのホームページで、「Oracle データベース」メニューから、「プロビジョニング」、「プラガブル・データベースのプロビジョニング」の順に選択します。次に、「PDB 操作」セクションから、「新規プラガブル・データベースの作成」を選択します。「起動」をクリックし、「プラガブル・データベースの作成オプション」から、「既存の PDB のクローニング」 -> 「スナップ・クローン」を選択します。

ライセンス供与されている API:

API を使用するには、Oracle Cloud Management Pack for Oracle Database のライセンスが必要です。

- アセンブリ操作 ― リソース・アセンブリ・テンプレートおよびアセンブリ・インスタンス用の/em/cloud/iaas URI 空間でのすべての POST/GET/PUT/DELETE
- DBaaS 操作 ― /em/cloud/dbaas URI 空間のすべての POST/GET/PUT/DELETE
- DBaaS 設定操作 ― /em/websvcs/restful/extws/cloudservices/admin/cfw/v1 URI 空間のすべての POST/GET/PUT/DELETE

ライセンス供与されているコマンドライン・インタフェース(CLI)の動詞:

次の Enterprise Manager コマンドライン・インタフェース(CLI)の動詞は、Oracle Cloud Management Pack for Oracle Database の一部としてライセンス供与されます。これらの動詞は、データベース・プールで操作します。

- add_pool_members
- create_charge_item
- create_dbaas_quota
- create_dbprofile
- create_pool

Management Pack	使用条件	含まれる機能
		● create_service_template ● delete_charge_item ● delete_dbaas_quota ● delete_pool ● delete_service_template ● get_dbaas_quota ● get_dbaas_request_settings ● get_metering_data ● get_pool_capacity_data ● get_pool_capacity_summary_data ● get_pool_constraints ● get_pool_criteria ● get_pool_detail ● get_pool_instance_data ● get_pool_target_type ● get_pools ● get_service_template ● list_charge_item_candidates ● remove_pool_members ● update_dbaas_quota ● update_dbaas_request_settings ● update_pool ライセンス供与されているビューおよび表: 次のリポジトリ・スキーマ内のオブジェクトは、Oracle Cloud Management Pack for Oracle Database に基づいてライセンス供

Management Pack	使用条件	含まれる機能
		与されます。 ● EMCT_CBA で始まる表 ● EMCT$CBA で始まるビュー ● GP_EMCT_CBA_TARGET_CHARGE ビュー ● MGMT$EMCT_CBA_CHARGE_DAILY ビュー ● MGMT$EMCT_CBA_CHARGE_HOURLY ビュー ライセンス供与されているチャージバック・レポート: 次の BI Publisher レポートは、Oracle Cloud Management Pack for Oracle Database に基づいてライセンス供与されます。 ● チャージ傾向レポート ● チャージ・サマリー・レポート ● 使用状況の傾向レポート ● 使用状況サマリー・レポート また、上記のレポートのような BI Publisher の"類似作成"機能を使用して作成されたレポートは、このライセンスに含まれます。
Oracle Data Masking and Subsetting Pack	追加費用パック: EE、EE-ES 付属パック: DBCS EE、DBCS EE-HP、DBCS EE-EP、ExaCS/CC	機能: Oracle Data Masking and Subsetting Pack に含まれる機能は、次のとおりです。 ● 「アプリケーション・データ・モデリング」 ● データ・マスキング・フォーマット・ライブラリ ● データ・マスキング定義 ● データ・サブセット定義 ● アプリケーション・データ・モデリング、データ・マスキングおよびサブセットの Enterprise Manager コマンドライン・インタフェース(CLI)の

Management Pack	使用条件	含まれる機能
		動詞 ● Oracle E-Business Suite の選択バージョン用のアプリケーション・データ・モデリング・アクセラレータ ● Oracle Fusion Applications の選択バージョン用のアプリケーション・データ・モデリング・アクセラレータ ● Oracle Fusion Applications の選択バージョン用のデータ・マスキング・テンプレート ● Oracle E-Business Suite の選択バージョン用のデータ・マスキング・テンプレート Oracle Data Masking and Subsetting Pack に含まれる使用制限付きライセンスは、次のとおりです。 ● Database Gateway for APPC ● Database Gateway for DRDA ● Database Gateway for Informix ● Database Gateway for SQLServer ● Database Gateway for Sybase ● Database Gateway for Teradata 上にリストした Oracle Database Gateway を Oracle Data Masking and Subsetting Pack 以外に使用する場合は、Oracle Database Gateway のフル・ライセンスを購入する必要があります。Oracle Data Masking and Subsetting Pack for non-Oracle databases を使用している場合、Oracle Database Gateways は、個別にライセンス供与された Oracle Database でデータをステージングします。Oracle Data Masking and Subsetting 機能は、Oracle 以外のデータベースに対して直接実行できません。 Oracle Data Masking and Subsetting Pack のライセンスが必要になるのは、ソース・データベース・サーバー(データが最初に生成されたデータベース)のみです。 マスキングおよびサブネッティング操作が実行されるステージング・データベー

Management Pack	使用条件	含まれる機能
		ス・サーバーや、マスクされたデータベースから作成されたコピーについては、パックのライセンスは任意です。 ノート: 1. Oracle Data Masking and Subsetting Pack には、以前の Oracle Data Masking Pack、Oracle Test Data Management Pack および Oracle Data Masking and Subsetting Pack for non-Oracle Databases が含まれています。 2. アプリケーション・データ・モデリングは、以前はデータ検出およびモデリングと呼ばれていました。 ライセンス供与されているリンク: これらの Oracle Enterprise Manager のメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Data Masking and Subsetting Pack の一部としてライセンスされます。 「エンタープライズ・サマリー」ホーム・ページで、「Enterprise」メニュー、「クオリティ管理」をクリックして次を選択します。 ● 「アプリケーション・データ・モデリング」 ● 「データ・マスキング定義」 ● 「データ・マスキングのフォーマット」 ● 「データ・サブセット定義」 Oracle データベースまたはクラスタ・データベース・ターゲットのホーム・ページで、「セキュリティ」メニューをクリックして、次を選択します。 ● 「アプリケーション・データ・モデリング」 ● 「データ・マスキング定義」 ● 「データ・サブセッティング」
Oracle Database Lifecycle Management Pack for Oracle	追加費用パック: EE、EE-ES 付属パック: DBCS EE-HP、DBCS EE-	機能: Oracle Database Lifecycle Management Pack for Oracle Database には次の機能が含まれています。

Management Pack	使用条件	含まれる機能
Database	EP、ExaCS/CC	● 変更アクティビティ計画 ● クライアント・システム・アナライザ ● コンプライアンス ● 構成収集の拡張性 ● 構成の比較 ● 構成の履歴 ● 構成インスタンス・ブラウザ ● 構成の保存 ● 構成の検索 ● 構成トポロジ ● オブジェクトのコピー ● データベースのパッチ適用 ● データベースのプロビジョニング ● データベースのアップグレード ● Site Guard を使用した障害時リカバリ ● Enterprise Data Governance ● ファイルの同期 ● 通知 ● プラガブル・データベース(PDB)のクローン ● PDB の作成/プラグ/アンプラグ(複数のターゲット操作で実行されるか、カスタムのデプロイメント手順を使用して実行されます。) ● PDB の移行

Management Pack	使用条件	含まれる機能
		● RAC スケール・バック ● RAC スケール・アウト ● 構成変更のリアルタイム検出 ● スキーマ変更のリアルタイム検出 ● スキーマおよびデータの比較 ● スキーマおよびデータの同期 ● スキーマ変更計画 ● スキーマの比較 ● ユーザー定義デプロイメント・プロシージャ(UDDP) Oracle Database Lifecycle Management Pack for Oracle Database を購入すると、次の各項で説明する機能も使用する権利を持つことができます。これらの機能は、Oracle Database ホームおよびライセンス供与されている CPU のプラットフォーム(ハードウェアおよびオペレーティング・システム)の Oracle Database ターゲットに制限されます。 ● Application Configuration Console ● oplan ユーティリティ(基本の OPlan 機能は、Oracle Support 契約を結んでいるすべてのユーザーが無償で利用できます。OPlan メタデータを使用して Enterprise Manager またはカスタム/サードパーティ・スクリプトからオーケストレーション・ロジックを抽出する機能は、Oracle Database Lifecycle Management Pack for Oracle Database の一部です。) ● ASM に移行 ● 自己更新 ライセンス供与されているパラメータ init.ora パラメータの ENABLE_DDL_LOGGING を TRUE に設定した場合、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。TRUE に設定すると、データベースより、リアルタイムでスキーマ変更がメッセージ・グループ

Management Pack	使用条件	含まれる機能

schema_ddl の下のデータベース・アラート・ログにレポートされます。デフォルト設定は FALSE です。

ライセンス供与されているリンク:

ライセンス供与されているリンクおよび機能を次の項に示します。これらは、Oracle Database ターゲットおよび Oracle Database がデプロイされている関連ホストのみに適用されます。Oracle Database 以外のターゲットの管理については、適切な Management Pack を購入する必要があります。

ライセンス供与されているリンク – データベース・プロビジョニング・プロシージャ:

Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。

- Enterprise Manager のホーム・ページで、「Enterprise」メニュー、「プロビジョニングとパッチ適用」、「プロシージャ・ライブラリ」の順にクリックします。データベースをクローニングおよびプロビジョニングするすべてのプロシージャは、Oracle Database Lifecycle Management Pack for Oracle Database でライセンス供与されます。

- Enterprise Manager のホーム・ページで、「Enterprise」メニュー、「プロビジョニングとパッチ適用」、「データベースのプロビジョニング」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。

- Oracle データベースまたはクラスタ・データベース・ターゲットのホーム・ページで、「Oracle データベース」メニュー、「プロビジョニング」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。

ライセンス供与されているリンク – データベース・アップグレード:

Oracle Enterprise Manager の次のページおよびリンクを使用するに

Management Pack	使用条件	含まれる機能
		は、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。 ● Enterprise Manager のホーム・ページで、「Enterprise」メニュー、「プロビジョニングとパッチ適用」、「プロシージャ・ライブラリ」の順にクリックします。データベースをアップグレードするすべてのプロシージャは、Oracle Database Lifecycle Management Pack for Oracle Database でライセンス供与されます。 ● Oracle データベースまたはクラスタ・データベース・ターゲットのホーム・ページで、「Oracle データベース」メニュー、「プロビジョニング」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ライセンス供与されているリンク – ユーザー定義デプロイメント・プロシージャ (UDDP) Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。 ● Enterprise Manager のホーム・ページで、「Enterprise」メニュー、「プロビジョニングとパッチ適用」、「プロシージャ・ライブラリ」の順にクリックします。プロビジョニング・ライブラリ・ページで、アクションのリストの「新規作成」オプションは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ライセンス供与されているリンク – RAC スケール・アウトおよびスケール・バック Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。 ● Enterprise Manager のホーム・ページで、「Enterprise」メニュー、「プロビジョニングとパッチ適用」、「プロシージャ・ライブラリ」の順にクリックします。データベースまたは RAC を拡張あるいはスケールするすべてのプロシージャは、Oracle Database Lifecycle Management Pack for Oracle Database でライセンス供

Management Pack	使用条件	含まれる機能

与されます。

- Enterprise Manager のホーム・ページで、「Enterprise」メニュー、「プロビジョニングとパッチ適用」、「データベースのプロビジョニング」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。

- Oracle クラスタ・データベース・ターゲットのホーム・ページで、「Oracle データベース」メニュー、「プロビジョニング」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。

ライセンス供与されているリンク – データベースのパッチ適用

Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。

- Enterprise Manager のホーム・ページで、「Enterprise」メニュー、「プロビジョニングとパッチ適用」、「プロシージャ・ライブラリ」の順にクリックします。データベース、Clusterware または Real Application Clusters をパッチ適用するすべてのプロシージャは、Oracle Database Lifecycle Management Pack for Oracle Database でライセンス供与されます。

ライセンス供与されているリンク – オフラインのパッチ適用

Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。

- Enterprise Manager のホーム・ページで、「設定」メニュー、「プロビジョニングとパッチ適用」、「オフライン・パッチ」の順にクリックします。「オンラインとオフライン設定」タブで、「接続」、「オフライン」設定は、Oracle Database Lifecycle Management Pack for Oracle Database でライセンス供与されます。

ライセンス供与されているリンク – 構成インスタンス・ブラウザ

Management Pack	使用条件	含まれる機能
		Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。 ● Enterprise Manager のホーム・ページで、「ターゲット」、「データベース」の順にクリックし、データベースを選択します。このデータベースのホーム・ページで、「Oracle データベース」、「構成」の順にクリックします。「トポロジ」以外、このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ● 「ターゲット・ホーム・ページ」に直接または他のパスからアクセスできる場合は次のとおりです。 　● このデータベースのホーム・ページで、「Oracle データベース」、「構成」の順にクリックします。「トポロジ」以外、このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ライセンス供与されているリンク – 構成検索 Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。 ● Enterprise Manager のホーム・ページで、「Enterprise」メニュー、構成および検索をクリックします。このページのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ライセンス供与されているリンク – 構成の履歴 Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。 ● Enterprise Manager のホーム・ページで、「Enterprise」メニュー、構成および履歴をクリックします。このページのすべての機

Management Pack	使用条件	含まれる機能
		能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ライセンス供与されているリンク – 構成の比較 Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。 ● Enterprise Manager のホーム・ページで、「Enterprise」メニュー、「構成」および「比較」をクリックします。このページのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ライセンス供与されているリンク – 構成保存 Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。 ● Enterprise Manager のホーム・ページで、「Enterprise」メニュー、「構成」および「保存」をクリックします。このページのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ライセンス供与されているリンク – 構成トポロジ Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。 ● 「ターゲット・ホーム・ページ」で、「Oracle データベース」、「構成トポロジ」の順にクリックします。「ビュー」ドロップダウンの「使用者」は、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ● 「ターゲット・ホーム・ページ」で、「Oracle データベース」、「構成トポロジ」、「カスタマイズ」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle

Management Pack	使用条件	含まれる機能

Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。

- 「ターゲット・ホーム・ページ」に直接または他のパスからアクセスできる場合は次のとおりです。
    - 「ターゲット・ホーム・ページ」で、「Oracle データベース」、「構成トポロジ」の順にクリックします。「ビュー」ドロップダウンの「使用者」は、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。
    - 「ターゲット・ホーム・ページ」で、「Oracle データベース」、「構成トポロジ」、「カスタマイズ」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。

ライセンス供与されているリンク – 構成収集の拡張性

Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。

- Enterprise Manager のホーム・ページで、「Enterprise」メニュー、構成およびカスタムをクリックします。このページのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。

ライセンス供与されているリンク – ファイルの同期

Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。

- 構成の比較機能に関する項で説明しているように、比較結果の違いを確認するには、左側のツリーで構成の仕様を選択します。「ファイルの同期の有効化」を選択します。このページのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一

Management Pack	使用条件	含まれる機能
		部としてライセンス供与されます。 ライセンス供与されているリンク – スキーマの比較: Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。 ● Enterprise Manager のホーム・ページで、「ターゲット」、「データベース」の順にクリックし、データベースを選択します。このデータベースのホーム・ページで、「スキーマ」、「変更の管理」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ● 「ターゲット・ホーム・ページ」に直接または他のパスからアクセスできる場合は次のとおりです。 ● このデータベースのホーム・ページで、「スキーマ」、「変更の管理」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ライセンス供与されているリンク – スキーマとデータの比較: Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。 ● Enterprise Manager のホーム・ページで、「ターゲット」、「データベース」の順にクリックし、データベースを選択します。このデータベースのホーム・ページで、「スキーマ」、「変更の管理」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ● 「ターゲット・ホーム・ページ」に直接または他のパスからアクセスでき

Management Pack	使用条件	含まれる機能

る場合は次のとおりです。

- このデータベースのホーム・ページで、「スキーマ」、「変更の管理」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。

ライセンス供与されているリンク – スキーマおよびデータの同期:

Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。

- Enterprise Manager のホーム・ページで、「ターゲット」、「データベース」の順にクリックし、データベースを選択します。このデータベースのホーム・ページで、「スキーマ」、「変更の管理」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。

- 「ターゲット・ホーム・ページ」に直接または他のパスからアクセスできる場合は次のとおりです。

  - このデータベースのホーム・ページで、「スキーマ」、「変更の管理」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。

ライセンス供与されているリンク – オブジェクトのコピー:

Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。

- Enterprise Manager のホーム・ページで、「ターゲット」、「データベース」の順にクリックし、データベースを選択します。このデータベースのホーム・ページで、「スキーマ」、「変更の管理」の順にクリッ

Management Pack	使用条件	含まれる機能
		クします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ● 「ターゲット・ホーム・ページ」に直接または他のパスからアクセスできる場合は次のとおりです。 ● このデータベースのホーム・ページで、「スキーマ」、「変更の管理」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ライセンス供与されているリンク – スキーマ変更のリアルタイム検出: Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。 ● Enterprise Manager のホーム・ページで、「ターゲット」、「データベース」の順にクリックし、データベースを選択します。このデータベースのホーム・ページで、「スキーマ」、「変更の管理」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ● 「ターゲット・ホーム・ページ」に直接または他のパスからアクセスできる場合は次のとおりです。 ● このデータベースのホーム・ページで、「スキーマ」、「変更の管理」の順にクリックします。このメニューのすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ライセンス供与されているリンク – 構成変更のリアルタイム検出およびコンプライアンス:

Management Pack	使用条件	含まれる機能
		Oracle Enterprise Manager の次のページおよびリンクを使用するには、Oracle Database Lifecycle Management Pack for Oracle Database のライセンスが必要です。 ● Enterprise Manager のホーム・ページで、「Enterprise」メニューおよび「コンプライアンス」をクリックします。「ライブラリ」、「結果」および「リアルタイム監視」ページに関連付けられているすべての機能、関数、リンク、ボタンおよびドリルダウンは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ライセンス供与されているレポート: 次のレポートは、Oracle Database Lifecycle Management Pack for Oracle Database の一部です。次の各項のすべてのレポートは、このパックの一部としてライセンス供与されます。レポートにアクセスするには、Enterprise Manager のホーム・ページで、「レポート」、「情報パブリッシャ・レポート」または「BI Publisher Enterprise レポート」をクリックします。 「情報パブリッシャ・レポート」の次のレポート領域、レポートおよびサブレポートは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ● コンプライアンス ● デプロイメントおよび構成 ● サンプル・ホスト・レポート、構成レポート ● セキュリティ 「BI Publisher Enterprise レポート」の次のレポート領域、レポートおよびサブレポートは、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ● コンプライアンス ● デプロイメントおよび構成 ● サンプル・ホスト・レポート、構成レポート

Management Pack	使用条件	含まれる機能
		● セキュリティ ライセンス供与されているコマンドライン・インタフェース(CLI)の動詞: 次の Enterprise Manager コマンドライン・インタフェース(CLI)の動詞は、Oracle Database Lifecycle Management Pack for Oracle Database の一部としてライセンス供与されます。 ● associate_cs_targets ● clone_database ● config_compare ● config_db_service_target ● configure_log_archive_locations ● confirm_instance ● create_database ● describe_instance ● describe_procedure_input ● disable_config_history ● enable_config_history ● export_compliance_group ● export_compliance_standard_rule ● export_facet ● export_standard ● fix_compliance_state ● get_config_searches ● get_config_templates ● get_executions ● get_instance_data

Management Pack	使用条件	含まれる機能
		● get_instance_status ● get_instances ● get_oms_config_property ● get_procedure_types ● get_procedure_xml ● get_procedures ● get_retry_argument ● get_saved_configs ● ignore_instance ● import_compliance_object ● list_oms_config_properties ● remove_cs_target_association ● reschedule_instance ● resume_instance ● run_config_search ● save_procedure ● set_config_history_retention_period ● stop_instance ● submit_procedure ● suspend_instance ● update_and_retry_step ● update_procedure_input ● upgrade_database ライセンス供与されているリポジトリ・ビュー – コンプライアンス・ビュー: 次のリポジトリ・スキーマ内のコンプライアンス・ビューは、Oracle Database Lifecycle Management Pack for Oracle Database に基づいてラ

Management Pack	使用条件	含まれる機能
		イセンス供与されます。 ● MGMT$CCC_ALL_OBS_BUNDLES ● MGMT$CCC_ALL_OBSERVATIONS ● MGMT$CCC_DIAG_ANALYTICS ● MGMT$CCC_DIAG_QUEUEBACKLOG ● MGMT$COMPLIANCE_STANDARD ● MGMT$COMPLIANCE_STANDARD_GROUP ● MGMT$COMPLIANCE_STANDARD_RULE ● MGMT$COMPOSITE_CS_EVAL_SUMMARY ● MGMT$CS_ASM_DISKGRP_SETTINGS ● MGMT$CS_DB_CONTROL_FILE_COUNT ● MGMT$CS_DB_INIT_PARAMS ● MGMT$CS_DB_RBS_IN_SYSTEM ● MGMT$CS_DB_REC_SEG_SETTINGS ● MGMT$CS_DB_REC_TS_SETTINGS ● MGMT$CS_DB_REC_USER_SETTINGS ● MGMT$CS_DB_REDO_LOG_COUNT ● MGMT$CS_DB_REDO_LOGS ● MGMT$CS_DB_TABLESPACES ● MGMT$CS_DB_TBSP_SEGSPACE_MGMT ● MGMT$CS_EVAL_SUMMARY ● MGMT$CS_FEATURE_USAGE ● MGMT$CS_GROUP_EVAL_SUMMARY ● MGMT$CS_GROUP_KEYWORD ● MGMT$CS_HA_INFO

Management Pack	使用条件	含まれる機能
		● MGMT$CS_HIERARCHY ● MGMT$CS_KEYWORD ● MGMT$CS_RQS_HIERARCHY ● MGMT$CS_RULE_ATTRS ● MGMT$CS_RULE_EVAL_SUMMARY ● MGMT$CS_RULEFOLDER ● MGMT$CS_TARGET_ASSOC ● MGMT$CS_TGT_ASSOC_TXF_REQ ● MGMT$CSG_HIERARCHY ● MGMT$CSG_SUBGROUP ● MGMT$CSR_CURRENT_VIOLATION ● MGMT$CSR_TARGET_ASSOC ● MGMT$CSR_VIOLATION_CONTEXT ● MGMT$CSRF_TARGET_ASSOC ● MGMT$EM_CS_RULE_EVENT_ERROR ● MGMT$EM_RULE_VIOL_CTXT_DEF ● MGMT$ICS_TARGET_ASSOC ● MGMT$REPO_RULE_CHK_DETAILS ● MGMT$REPOSITORY_RULE_BIND_VARS ● MGMT$REPOSITORY_RULE_PARAMS ● MGMT$RULE_KEYWORD ライセンス供与されているリポジトリ・ビュー – プロビジョニングおよびパッチ適用ビュー: 次のリポジトリ・スキーマ内のプロビジョニングおよびパッチ適用ビューは、Oracle Database Lifecycle Management Pack for Oracle Database に基づいてライセンス供与されます。

Management Pack	使用条件	含まれる機能
		● EM$PROV_APPTYPES ● EM$PROVAPP_METADATA ● EM$PROVAPP_METADATA_VERSION ● EM$PROVAPP_TAG_PROPERTIES ● EM$PROVAPP_TAGS ● MGMT$PA_RECOM_METRIC_SOURCE ライセンス供与されているリポジトリ・ビュー – パッチ適用ビュー: 次のリポジトリ・スキーマ内のパッチ適用ビューは、Oracle Database Lifecycle Management Pack for Oracle Database に基づいてライセンス供与されます。 ● GC$EM_PC_PLAN_PATCHES ● GC$EM_PC_PLANS ● GC$EM_PC_PLAN_TARGETS ● GC_PC_EXECUTION_INSTANCES ● GC_PC_PLAN_ANALYSIS_RS ● GC_PC_PLAN_REMEDY ● GC_PC_PLAN_REMEDY_DETAILS ● GC_PC_PLAN_USERS ● GC_PC_TARGETS ● MGMT$APPLIED_PATCHES ● MGMT$APPLIED_PATCHSETS ● MGMT$ARU_FAMILY_PRODUCT_MAP ● MGMT$ARU_LANGUAGES ● MGMT$ARU_PATCH_RECOMMENDATIONS ● MGMT$ARU_PLATFORMS

Management Pack	使用条件	含まれる機能
		● MGMT$ARU_PRODUCT_RELEASE_MAP ● MGMT$ARU_PRODUCTS ● MGMT$ARU_RELEASES ● MGMT$ARU_TARGETS ● MGMT$PA_AFFTED_HOST_GUID_OH ● MGMT$PA_AFFTED_HOST_OH ● MGMT$PA_AFFTED_TARGETS ● MGMT$PA_FINAL_PATCH_LIST ● MGMT$PA_TARGET_MAPPING ● MGMT$PR_APPL_PATCHES_TO_OH ● MGMT$PR_APPL_PATCHES_TO_OH_TGT ● MGMT$PR_HOME_INFO ● MGMT$PR_HOMES_AFFECTED_COUNT ● MGMT$RECOM_METRIC_SOURCE ライセンス供与されているリポジトリ・ビュー – 構成ビュー: 次のリポジトリ・スキーマ内の構成ビューは、Oracle Database Lifecycle Management Pack for Oracle Database に基づいてライセンス供与されます。 ● GC$ECM_COMP_PROPERTIES ● GC$ECM_CONFIG_SUMMARY ● GC$ECM_CURR_CONFIG ● GC$ECM_CURR_CONFIG_FLAT_MEMS ● GC$ECM_CURR_CONFIG_SNAPSHOTS ● GC$ECM_CURR_TARGET_SNAPSHOTS ● GC$ECM_DATA_RETENTION_TIME

Management Pack	使用条件	含まれる機能
		● GC$ECM_GEN_SNAPSHOT ● GC$ECM_SAVED_CONFIG ● GC$ECM_SAVED_CONFIG_FLAT_MEMS ● GC$ECM_SAVED_CONFIG_SNAPSHOTS ● GC$ECM_SAVED_CONFIG_TARGETS ● GC$ECM_SAVED_TARGET_SNAPSHOTS ● MGMT$CCS_DATA ● MGMT$CCS_DATA_SOURCE ● MGMT$CCS_DATA_SOURCE_VISIBLE ● MGMT$CCS_DATA_VISIBLE ● MGMT$DB_CONTROLFILES ● MGMT$DB_DATAFILES ● MGMT$DB_DBNINSTANCEINFO ● MGMT$DB_FEATUREUSAGE ● MGMT$DB_INIT_PARAMS ● MGMT$DB_LICENSE ● MGMT$DB_OPTIONS ● MGMT$DB_REDOLOGS ● MGMT$DB_ROLLBACK_SEGS ● MGMT$DB_SGA ● MGMT$DB_TABLESPACES ● MGMT$DB_TABLESPACES_ALL ● MGMT$ECM_CMP_JOB_LAST_RESULTS ● MGMT$ECM_CMP_JOBS ● MGMT$ECM_CMP_RPT_CCS_DS

Management Pack	使用条件	含まれる機能

- MGMT$ECM_CMP_RPT_CCS_DS_DTLS
- MGMT$ECM_CMP_RPT_CCS_PD_ALL
- MGMT$ECM_CMP_RPT_CCS_PD_DIFFS
- MGMT$ECM_CMP_RPT_CI_DIFFS
- MGMT$ECM_CMP_VISIBLE_CONFIGS
- MGMT$ECM_CURRENT_SNAPSHOTS
- MGMT$ECM_VISIBLE_SNAPSHOTS
- MGMT$SERVICETAG_INSTANCES
- MGMT$SERVICETAG_REGISTRY
- MGMT$UNPATCHABLE_DB_TARGETS

ライセンス供与されているリポジトリ・ビュー – Oracle ホームのパッチ適用ビュー:

次のリポジトリ・スキーマ内の Oracle ホームのパッチ適用ビューは、Oracle Database Lifecycle Management Pack for Oracle Database に基づいてライセンス供与されます。

- MGMT$APPLIED_PATCHES
- MGMT$APPLIED_PATCHSETS
- MGMT$APPL_PATCH_AND_PATCHSET
- MGMT$CPF_ADVISORY_INFO
- MGMT$CPF_HOMES_INFO
- MGMT$CPF_PATCH_INFO
- MGMT$EM_HOMES_PLATFORM
- MGMT$HOMES_AFFECTED
- MGMT$OH_CLONE_PROPERTIES
- MGMT$OH_COMP_DEP_RULE
- MGMT$OH_COMP_INST_TYPE

Management Pack	使用条件	含まれる機能
		● MGMT$OH_COMPONENT ● MGMT$OH_CRS_NODES ● MGMT$OH_DEP_HOMES ● MGMT$OH_FILE ● MGMT$OH_HOME_INFO ● MGMT$OH_INSTALLED_TARGETS ● MGMT$OH_INV_SUMMARY ● MGMT$OH_PATCH ● MGMT$OH_PATCHED_COMPONENT ● MGMT$OH_PATCHED_FILE ● MGMT$OH_PATCH_FIXED_BUG ● MGMT$OH_PATCHSET ● MGMT$OH_VERSIONED_PATCHV ● MGMT$PATCH_ADVISORIES ライセンス供与されているリポジトリ・ビュー – セキュリティ・ビュー: 次のリポジトリ・スキーマ内のセキュリティ・ビューは、Oracle Database Lifecycle Management Pack for Oracle Database に基づいてライセンス供与されます。 ● MGMT$ESA_ALL_PRIVS_REPORT ● MGMT$ESA_ANY_DICT_REPORT ● MGMT$ESA_ANY_PRIV_REPORT ● MGMT$ESA_AUDIT_SYSTEM_REPORT ● MGMT$ESA_BECOME_USER_REPORT ● MGMT$ESA_CATALOG_REPORT ● MGMT$ESA_CONN_PRIV_REPORT

Management Pack	使用条件	含まれる機能
		● MGMT$ESA_CREATE_PRIV_REPORT ● MGMT$ESA_DBA_GROUP_REPORT ● MGMT$ESA_DBA_ROLE_REPORT ● MGMT$ESA_DIRECT_PRIV_REPORT ● MGMT$ESA_EXMPT_ACCESS_REPORT ● MGMT$ESA_KEY_OBJECTS_REPORT ● MGMT$ESA_OH_OWNERSHIP_REPORT ● MGMT$ESA_OH_PERMISSION_REPORT ● MGMT$ESA_POWER_PRIV_REPORT ● MGMT$ESA_PUB_PRIV_REPORT ● MGMT$ESA_SYS_PUB_PKG_REPORT ● MGMT$ESA_TABSP_OWNERS_REPORT ● MGMT$ESA_TRC_AUD_PERM_REPORT ● MGMT$ESA_WITH_ADMIN_REPORT ● MGMT$ESA_WITH_GRANT_REPORT ライセンス供与されているリポジトリ・ビュー – クライアント構成ビュー: 次のリポジトリ・スキーマ内のクライアント構成ビューは、Oracle Database Lifecycle Management Pack for Oracle Database に基づいてライセンス供与されます。 ● MGMT$CSA_COLLECTIONS ● MGMT$CSA_FAILED ● MGMT$CSA_HOST_COOKIES ● MGMT$CSA_HOST_CPUS ● MGMT$CSA_HOST_CUSTOM ● MGMT$CSA_HOST_IOCARDS

Management Pack	使用条件	含まれる機能
		● MGMT$CSA_HOST_NICS ● MGMT$CSA_HOST_OS_COMPONENTS ● MGMT$CSA_HOST_OS_FILESYSEMS ● MGMT$CSA_HOST_OS_PROPERTIES ● MGMT$CSA_HOST_RULES ● MGMT$CSA_HOST_SW ● MGMT$ECM_CONFIG_HISTORY
Oracle Diagnostics Pack	追加費用パック: EE、EE-ES 付属パック: DBCS EE、DBCS EE-HP、DBCS EE-EP、ExaCS/CC	機能: Oracle Diagnostics Pack に含まれる機能は、次のとおりです。 ● パフォーマンス監視と診断(データベースおよびホスト) ● 自動ワークロード・リポジトリ(AWR) ● AWR ウェアハウス ● 自動データベース診断モニター(ADDM) ● 期間比較 ADDM ● リアルタイム ADDM ● ADDM スポットライト ● アクティブ・セッション履歴(ASH) ● ASH 分析 ● パフォーマンス・ハブ ● 上位アクティビティ・ライト ● Exadata CELL グリッドの管理 ● Exadata CELL グリッドのパフォーマンス ● Exadata CELL グループの「状態の概要」ページ

Management Pack	使用条件	含まれる機能
		● Exadata のリソース使用率 ● ブラックアウト ● 通知 ● メトリックおよびアラートまたはイベント履歴 ● ユーザー定義のメトリックおよびメトリック拡張 ● 管理コネクタ ● 動的メトリック・ベースラインおよび適応メトリックしきい値 ● 監視テンプレートおよびテンプレート・コレクション ● リプレイ期間比較レポート ● ストリーム当たりのボトルネック検出およびコンポーネント当たりの上位待機イベント分析を実行するためのサポート機能 前述した機能を使用するには、Oracle Diagnostics Pack のライセンスを購入する必要があります。新しい初期化パラメータ CONTROL_MANAGEMENT_PACK_ACCESS を使用して、Oracle Diagnostics Pack および Oracle Tuning Pack へのアクセスを制御できます。このパラメータは、次の 3 つの値のうちのいずれかに設定できます。 ● DIAGNOSTIC+TUNING: Oracle Diagnostics Pack および Oracle Tuning Pack 機能がデータベース・サーバーで有効化されています。 ● DIAGNOSTIC: Oracle Diagnostics Pack 機能のみがサーバーで有効化されています。 ● NONE: Oracle Diagnostics Pack および Oracle Tuning Pack 機能がデータベース・サーバーで無効化されています。 Oracle Diagnostics Pack 機能にアクセスするには、Enterprise Manager コンソール、デスクトップ・ウィジェット、コマンドライン API を使用するか、基礎となるデータに直接アクセスします。これには、Oracle Diagnostics Pack のライセンスが必要です。

Management Pack	使用条件	含まれる機能
		ライセンス供与されているリンク: Enterprise Manager 内のどのリンクが Oracle Diagnostics Pack の一部であるかを判断するには、Enterprise Manager ホーム・ページの右上にある「設定」リンクをクリックします。 ● 「設定」リンクをクリックした場合、ナビゲーション・バーには「Management Pack のアクセス権」リンクが含まれます。このリンクをクリックします。 ● すると「Management Pack のアクセス権」ページが表示され、ここですべての Management Pack に対しアクセス権を付与および削除できます。 ● Enterprise Manager Database Control の場合、Diagnostics Pack の「アクセス権の削除」ラジオ・ボタンをクリックし、「適用」をクリックします。 ● Enterprise Manager Cloud Control,の場合、Diagnostics Pack の適切なチェック・ボックスをクリックし、「適用」をクリックします。 これによって、Enterprise Manager 内の Oracle Diagnostics Pack に関連付けられたすべてのリンクおよびタブが無効になります。無効化されたリンクおよびタブはすべて Oracle Diagnostics Pack の一部であるため、パック・ライセンスが必要です。 ライセンス供与されているコマンドライン API: Oracle Diagnostics Pack の機能は、データベース・サーバーAPI およびコマンドライン・インタフェースでもアクセスできます。 ● DBMS_ADDM、DBMS_PERF、DBMS_UMF および DBMS_WORKLOAD_REPOSITORY パッケージは、このパックのライセンスが必要です。 ● advisor_name パラメータの値として ADDM を指定した場合、または task_name パラメータの値に ADDM 接頭辞で始まる値を指定した場合、DBMS_ADVISOR パッケージはこのパックの一部です。 ● DBMS_WORKLOAD_REPLAY.COMPARE_PERIOD_REPORT 関数は、こ

Management Pack	使用条件	含まれる機能

のパックのライセンスが必要です。

- V$ACTIVE_SESSION_HISTORY 動的パフォーマンス・ビューおよびその基礎となる表 X$ASH は、このパックのライセンスが必要です。
- DBA_STREAMS_TP_PATH_BOTTLENECK ビューは、このパックのライセンスが必要です。
- DBA_ADDM_で始まるすべてのビューは、このパックのライセンスが必要です。
- DBA_STREAMS_TP_COMPONENT_STAT の一部のデータは、Oracle Diagnostics Pack のライセンスが必要です。
  DBA_STREAMS_TP_COMPONENT_STAT に対する問合せの次のフィルタ句により、Diagnostics Pack に依存するデータが表示されます。

  ```
  where STATISTIC_UNIT = &apos;PERCENT&apos;
  ```

  たとえば、次の問合せにより、Diagnostics Pack に依存するデータのみが表示されます。

  ```
  SELECT * FROM DBA_STREAMS_TP_COMPONENT_STAT
  where STATISTIC_UNIT = &apos;PERCENT&apos;;
  ```

- 接頭辞 DBA_HIST_で始まるすべてのデータ・ディクショナリ・ビューと、これらの基礎となる表はこのパックの一部です。例外は、DBA_HIST_SNAPSHOT, DBA_HIST_DATABASE_INSTANCE, DBA_HIST_SNAP_ERROR, DBA_HIST_SEG_STAT, DBA_HIST_SEG_STAT_OBJ, および DBA_HIST_UNDOSTAT の各ビューのみです。これらは、Oracle Diagnostics Pack のライセンスがなくても使用できます。
- DBA_ADVISOR_接頭辞を持つすべてのデータ・ディクショナリ・ビューは、これらのビューに対する問合せで、ADVISOR_NAME 列内に ADDM の値を持つ行、または TASK_NAME 列内に ADDM*の値を持つ行またはそれに対応する TASK_ID の行が戻された場合、このパックの一部になります。
- Oracle ホーム・ディレクトリの/rdbms/admin/ディレクトリにある awrrpt.sql、awrrpti.sql、awrgrpt.sql、awrgrpti.sql、awrgdrpt.sql、awrgdrpi.sql、addmrpt.sql、addmrpti.sql、ashrpt.sql、ashrpti.sql、awrddrpt.sql、awrddrpi.sql、awrsqrpi.sql、awrsqrpt.sql、awrextr.sql、

Management Pack	使用条件	含まれる機能
		awrload.sql、awrinfo.sql、spawrio.sql および spawrrac.sql のレポートは、このパックのライセンスが必要です。 ライセンス供与されているリポジトリ・ビュー - モニタリング・ビュー: 次のモニタリング・ビューが Oracle Diagnostics Pack でライセンス供与されます。 ● MGMT$ALERT_ANNOTATIONS ● MGMT$ALERT_CURRENT ● MGMT$ALERT_HISTORY ● MGMT$ALERT_NOTIF_LOG ● MGMT$AVAILABILITY_CURRENT ● MGMT$AVAILABILITY_HISTORY ● MGMT$BLACKOUT_HISTORY ● MGMT$BLACKOUTS ● MGMT$METRIC_COLLECTIONS ● MGMT$ALERT_CURRENT ● MGMT$METRIC_DAILY ● MGMT$METRIC_DETAILS ● MGMT$METRIC_HOURLY ● MGMT$TARGET_METRIC_COLLECTIONS ● MGMT$TARGET_METRIC_SETTINGS ライセンス供与されているリポジトリ・ビュー - テンプレート・ビュー: 次のテンプレート・ビューが Oracle Diagnostics Pack でライセンス供与されます。 ● MGMT$TEMPLATES ● MGMT$TEMPLATE_METRIC_COLLECTION

Management Pack	使用条件	含まれる機能
		● MGMT$TEMPLATE_METRIC_SETTINGS ● MGMT$TEMPLATE_POLICY_SETTINGS 追加ライセンス情報: ● データベースの自動ワークロード・リポジトリ・ハブ(AWR ハブ)機能を使用するには、Oracle Diagnostics Pack ライセンスおよび OCI Operations Insights サービス・ライセンス・サブスクリプションの両方が必要です。 ● DBMS_AWRHUB パッケージにより PL/SQL API を使用するには、Oracle Diagnostics Pack ライセンスおよび OCI Operations Insights サービス・ライセンス・サブスクリプションの両方が必要です。 ● Enterprise Manager の ADDM スポットライトを使用するには、Oracle Diagnostics Pack ライセンスが必要です。 ● Enterprise Manager の上位アクティビティ・ライトを使用するには、Oracle Diagnostics Pack ライセンスが必要です。 ● OCI データベース管理サービスの上位アクティビティ・ライトを使用するには、Oracle Diagnostics Pack ライセンスおよび OCI データベース管理サービス・サブスクリプション – 完全管理の両方が必要です。
Oracle Tuning Pack	追加費用パック: EE、EE-ES 付属パック: DBCS EE、DBCS EE-HP、DBCS EE-EP、ExaCS/CC	機能: Oracle Tuning Pack に含まれる機能は、次のとおりです。 ● SQL アクセス・アドバイザ ● SQL チューニング・アドバイザ ● Oracle Database In-Memory アドバイザ ● 自動 SQL チューニング ● SQL プロファイル ● リアルタイム SQL および PL/SQL の監視 ● リアルタイム・データベース操作の監視

Management Pack	使用条件	含まれる機能

- オブジェクトの再編成

新しい初期化パラメータ CONTROL_MANAGEMENT_PACK_ACCESS が導入され、データベース・サーバーでの Oracle Diagnostics Pack および Oracle Tuning Pack へのアクセスが制御されます。このパラメータは、次の 3 つの値のうちのいずれかに設定できます。

- DIAGNOSTIC+TUNING: Oracle Diagnostics Pack および Oracle Tuning Pack 機能がデータベース・サーバーで有効化されています。
- DIAGNOSTIC: Oracle Diagnostics Pack 機能のみがサーバーで有効化されています。
- NONE: Oracle Diagnostics Pack および Oracle Tuning Pack 機能がデータベース・サーバーで無効化されています。

Oracle Tuning Pack 機能にアクセスするには、Enterprise Manager コンソール、デスクトップ・ウィジェット、コマンドライン API を使用するか、基礎となるデータに直接アクセスします。これには、Oracle Tuning Pack のライセンスが必要です。

前提条件:

Oracle Tuning Pack には Oracle Diagnostics Pack が必要です。

ライセンス供与されているリンク:

Enterprise Manager 内のどのリンクが Oracle Tuning Pack の一部であるかを判断するには、Enterprise Manager ホーム・ページの右上にある「設定」リンクをクリックします。

- 「設定」リンクをクリックした場合、ナビゲーション・バーには「Management Pack のアクセス権」リンクが含まれます。このリンクをクリックします。
- 「Management Pack のアクセス権」ページが表示され、ここですべての Management Pack に対しアクセス権を付与および削除できます。
    - Enterprise Manager Database Control の場合、Tuning Pack の「アクセス権の削除」ラジオ・ボタンをク

Management Pack	使用条件	含まれる機能

リックし、「適用」をクリックします。

- Enterprise Manager Cloud Control,の場合、Tuning Pack の適切なチェック・ボックスをクリックし、「適用」をクリックします。

これによって、Enterprise Manager 内の Oracle Tuning Pack に関連付けられたすべてのリンクおよびタブが無効になります。無効化されたリンクおよびタブはすべて Oracle Tuning Pack の一部であるため、パック・ライセンスが必要です。

ライセンス供与されているコマンドライン API:

Oracle Tuning Pack の機能は、データベース・サーバーAPI およびコマンドライン・インタフェースでもアクセスできます。

- DBMS_ADVISOR(advisor_name パラメータの値が「SQL Tuning Advisor」または「SQL Access Advisor」である場合)
- DBMS_AUTO_SQLTUNE
- DBMS_PERF
- DBMS_SQL_MONITOR
- DBMS_SQLTUNE (ノートを参照)
- V$SQL_MONITOR
- V$SQL_PLAN_MONITOR
- Oracle ホーム・ディレクトリの/rdbms/admin/ディレクトリにある sqltrpt.sql のレポートはこのパックの一部です。

ノート: オンプレミスの Oracle Database Enterprise Edition のライセンスを供与されている場合、Oracle Tuning Pack のライセンスがなくても DBMS_SQLTUNE パッケージ内の一部のサブプログラムを使用できます。詳細は、表 1-6 の SQL チューニング・セットに関する項を参照してください。

1.6 機能、オプションおよびManagement Packの使用状況の確認

データベースの機能の使用状況、Oracle Databaseオプションの使用状況、Oracle Management Packの使用状況を確認できる、options_packs_usage_statistics.sqlスクリプトが用意されています。このスクリプトでは、次の2つの項が表示されます。

- Oracle DatabaseオプションおよびOracle Management Packの使用状況
- 各オプションおよびManagement Packで使用される機能

このスクリプトは、次のようにしてMy Oracle Supportから取得できます。

1. Webブラウザを使用して、次のMy Oracle SupportのWebサイトを表示します。

   https://support.oracle.com

2. My Oracle Supportにログインします。

   My Oracle Supportにユーザー登録していない場合は、「登録」をクリックし、登録の指示に従います。

3. ドキュメントID 1317265.1を検索するか、次のURLからドキュメントに直接アクセスします。

   https://support.oracle.com/rs?type=doc&id=1317265.1

各データベースでスクリプトを手動で実行することも、Oracle Enterprise Managerジョブ・システムを使用して、複数のデータベースで自動的にスクリプトを実行することも可能です。Oracle Enterprise Managerジョブ・システムの詳細は、Oracle Enterprise Manager Cloud Control管理者ガイドを参照してください。

ノート:

このスクリプトで取得される情報は、お客様の組織で使用されていると識別された、ライセンス供与可能な Oracle Database オプションおよび OracleManagement Pack の概要を示すものです。情報として使用することを目的としたものであり、ライセンス資格または要件を表すものではありません。お客様のライセンス要件の詳細は、http://www.oracle.com/us/corporate/license-management-services/index.html の License Management Services の担当者に問い合せてください。

1.7 特別なライセンス権限

表1-16 特別なライセンス権限

機能/オプション	ライセンス情報
Data Guard 遠隔同期	遠隔同期インスタンスは、Oracle Database がインストールおよび使用されているサーバーとは異なるサーバーでインストールおよび使用できます。遠隔同期インスタンスを実行しているサーバー用に別途ライセンスを取得する必要はありません。
エンタープライズ・ユーザー・セキュリティ	Oracle Database Enterprise Edition でエンタープライズ・ユーザー・セキュリティを使用する場合、Kerberos および PKI ベース認証の Oracle Advanced Security オプションに対するライセンスは必要なくなりました。対応する Oracle Identity Management Directory Services Plus のライセンス供与は必要ありません。2004 年 4 月 5 日以前に購入した Oracle Advanced Security ライセンスでは、エンタープライズ・ユーザー・セキュリティをサポートする Oracle Directory Services Plus の Oracle Internet Directory (OID)コンポーネントの制限付きライセンスが含まれています。

機能/オプション	ライセンス情報
グローバル・データ・サービス	GSM リスナーは、Oracle Database がインストールおよび使用されているサーバーとは異なるサーバーでインストールおよび使用できます。GSM リスナーを実行しているサーバー用に別途ライセンスを取得する必要はありません。
インフラストラクチャ・リポジトリ・データベース	ライセンスを追加購入しなくても、独立した単一のインスタンスの Oracle Database をインストールし、RMAN、Oracle Enterprise Manager Cloud Control、自動ワークロード・リポジトリ(AWR)ウェアハウス、グローバル・データ・サービス・カタログ、シャーディング・カタログおよびグリッド・インフラストラクチャ管理リポジトリのインフラストラクチャ・リポジトリとして使用できます。ただし、すべてのターゲットについて適切なライセンスを購入している場合に限られます。このデータベースは、他の用途で使用することもデプロイすることもできません。 RMAN、Oracle Enterprise Manager Cloud Control、AWR ウェアハウス、グローバル・データ・サービス・カタログおよびシャーディング・カタログのインフラストラクチャ・リポジトリは、単一のデータベースで共有するか、または独立したデータベースにデプロイできます。インフラストラクチャ・リポジトリ・データベースには Enterprise Edition を使用する必要があります。 Oracle RAC がインフラストラクチャ・データベースに使用されている場合、すべてのサービスについて Oracle RAC ライセンス、および最初以外のすべてのサーバーについて Enterprise Edition ライセンスが必要です。 Data Guard が RMAN、Oracle Enterprise Manager Cloud Control、AWR ウェアハウス、グローバル・データ・サービスおよびグリッド・インフラストラクチャ管理リポジトリのインフラストラクチャ・データベースに使用されている場合、スタンバイ・サーバーに Enterprise Edition ライセンスが必要です。シャーディング・カタログのインフラストラクチャ・データベースは、2 つ目の Enterprise Edition ライセンスがなくても Data Guard を使用して保護できます。
Oracle ASM クラスタ・ファイル・システム(Oracle ACFS)	Oracle Database 以外のファイルで使用する場合、すべての Oracle ACFS 機能は無償です。 Oracle Database ファイルで使用する場合、次の例外以外の Oracle ACFS 機能は無償です。 ● ACFS 監査 - 利用不可(Oracle Audit Vault を使用してください*) ● ACFS 圧縮 - 利用不可(Oracle Advanced Compression*を使用してください) ● ACFS 暗号化 - 利用不可(Oracle Advanced Security オプションの一部である Oracle Transparent Data Encryption (TDE) を使用してくだ

機能/オプション	ライセンス情報
	さい*) ● ACFS セキュリティ - 利用不可(Oracle Database Vault を使用してください*) * これらの製品やコンポーネントに対する適切なフル・ライセンスが必要です。 Oracle ACFS が稼働しているサーバー上で、Oracle サポート契約の対象である Oracle 製品(Oracle Linux や Oracle Solaris など)も稼働している場合、Oracle ACFS 専用のサポート・サービスを提供します。
Oracle Automatic Storage Management (Oracle ASM)	Oracle ASM は、無償で、すべての Oracle データベースおよび Oracle ACFS ファイル・システムとともに使用できます。
Oracle Clusterware	Oracle Clusterware では、クラスタ・メンバーシップと高可用性の監視およびフェイルオーバーを提供します。Oracle Clusterware は、アプリケーションを保護する(障害発生時のアプリケーションの再起動またはフェイルオーバー)用途において無償で使用することができます。サーバーで有効な Oracle サポート契約に基づいて Oracle 製品が実行されている場合のみ、Clusterware に対するサポートが提供されます。そのような製品の例には、Oracle Linux、Oracle Solaris、Oracle Database、Oracle Fusion Middleware がありますが、これらに限定されません。
Oracle Connection Manager	Oracle Connection Manager は、Oracle Database がインストールおよび使用されているマシンと異なるマシン上にインストールし、使用できます。Oracle Connection Manager を実行しているマシン用に別途ライセンスを取得する必要はありません。
Oracle Data Guard Broker	Oracle Data Guard のプライマリ・システムおよびスタンバイ・システムとは別のコンピュータ・システムに、ブローカ・コマンドライン・インタフェース DGMGRL をインストールしてオブザーバ・ソフトウェアを実行できます。オブザーバをホストするサーバー用に別途ライセンスを取得する必要はありません。
Oracle Database Backup Cloud Service	Oracle Database Backup Cloud Service では、Oracle Advanced Security オプションまたは Oracle Advanced Compression オプションの 2 つの機能を、追加費用なしで使用できます。 ● RMAN バックアップの暗号化 ● すべての RMAN バックアップ圧縮のアルゴリズム Oracle Advanced Security オプションまたは Oracle Advanced Compression オプションの追加機能を使用するには、それらのオプションのライセンスを別途購入する必

機能/オプション	ライセンス情報
	要があります。また、直接ディスクに RMAN 暗号化バックアップを実行する場合も、Oracle Advanced Security オプションのライセンスが別途必要です。
Oracle Database Gateway for ODBC	Oracle Database Gateway for ODBC は、Oracle Database がインストールおよび使用されているマシンと異なるマシン上にインストールし、使用できます。Oracle Gateway for ODBC を実行しているマシン用に別途ライセンスを取得する必要はありません。
Oracle Database Provider for DRDA	Oracle Database Provider for DRDA は、Oracle Database がインストールおよび使用されているマシンと異なるマシン上にインストールし、使用できます。Oracle Database Provider for DRDA を実行しているマシン用に別途ライセンスを取得する必要はありません。
Oracle Database Vault	Oracle Database Vault を構成し、有効化すると、Oracle Database Vault によって Oracle Label Security が構成され有効化されます。Oracle Label Security の使用は Oracle Database Vault ソフトウェアによる使用に限定されます。Oracle Label Security ポリシーを作成する場合は、Oracle Label Security の完全使用ライセンスが必要になります。
Oracle Real Application Testing	Oracle Real Application Testing のフル機能は、Oracle Database 11g リリース 1 以上でのみ利用可能です。ただし、Oracle9i Database リリース 2 または Oracle Database 10g からのアップグレードを希望しているお客様は、Oracle Real Application Testing の一部の機能を利用できます。 Oracle9i Database リリース 2 で利用可能な機能は次のとおりです。 ● データベース・リプレイ: ワークロードの取得機能のみがサポートされます。取得されたワークロードの再実行は、Oracle Database 11g でのみ可能です。この機能は、Oracle9i Database リリース 2 から Oracle Database 11g 以上へのアップグレードに役立てるためだけに使用できます。 Oracle Database 10g リリース 2 で利用可能な機能は次のとおりです。 ● データベース・リプレイ: ワークロードの取得機能のみがサポートされます。取得されたワークロードの再実行は、Oracle Database 11g でのみ可能です。この機能は、Oracle Database 10g リリース 2 から Oracle Database 11g へのアップグレードに役立てるためだけに使用できます。 ● SQL パフォーマンス・アナライザ: リモート SQL のテスト実行、および SQL チューニング・セットへの SQL の取得機能のみがサポートされます。これらの機能は、Oracle9i Database リリース 2 および Oracle Database 10g リリース 1 から Oracle Database 10g リリース 2 以上へのアップグレードに役

機能/オプション	ライセンス情報
	立てるためだけに使用できます。以前のリリース(Oracle 9i Database または Oracle Database 10g リリース 1)から Oracle Database 10g リリース 2 へアップグレードする際には、ターゲット・データベース(Oracle Database 10g リリース 2)上で SQL をリモート実行するために Oracle Database 11g が必要です。Oracle Real Application Testing のライセンス取得は、Oracle Database 10g リリース 2 と Oracle Database 11g の両方のシステムについて必要です。
Oracle Secure Backup Oracle Secure Backup Cloud Module	Oracle Database Enterprise Edition のバックアップの場合、Oracle Secure Backup には次の使用制限付きライセンスが含まれます。 ● テープまたは Amazon S3 への RMAN バックアップの暗号化 ● LOW、MEDIUM、BASIC または HIGH アルゴリズムを活用した RMAN バックアップ圧縮 Oracle Secure Backup の特殊な使用方法のライセンスは、Oracle Advanced Security オプションのコンポーネントである RMAN バックアップの暗号化と、Oracle Advanced Compression オプションのコンポーネントである RMAN バックアップ圧縮レベルに適用されます。Oracle Advanced Security オプションまたは Oracle Advanced Compression オプションの追加機能を使用するには、それらのオプションのライセンスを別途購入する必要があります。また、Oracle Secure Backup がメディア・マネージャであるかどうかにかかわらず、直接ディスクに RMAN 暗号化バックアップを実行する場合も、Oracle Advanced Security オプションのライセンスが必要です。
ZDLRA 上の Oracle Secure Backup Cloud Module	Oracle Zero Data Loss Recovery Appliance (ZDLRA)では、Oracle Secure Backup Cloud Module を無料で使用できます。ただし、その使用は、ZDLRA と同じキャンパス上にある S3 互換ストレージ・デバイスへのデータのバックアップおよび同デバイスからのリストアに限定されます。 この特殊用途のライセンスの場合、そのようなデータを非 Oracle Public Cloud 環境との間で移動することは、直接またはゲートウェイ・デバイスを経由する方法のいずれの方法であっても許可されません。 そのようなデータを ZDLRA を持たない Oracle データベースとの間で移動することはできますが、その場合、それらの Oracle データベース上で Oracle Secure Backup Cloud Module のライセンスが供与されている必要があります。たとえば、ZDLRA 上の無料の Oracle Secure Backup Cloud Module を使用して、S3 互換ストレージ・デバイスにデータをバックアップした場合、Oracle Secure Backup Cloud Module を使用して ZDLRA を持たない Oracle データベースにそれらのデータをリストアすることは可能ですが、その Oracle データベース上で Oracle Secure Backup Cloud

機能/オプション	ライセンス情報
	Module のライセンスが供与されている必要があります。 Oracle Cloud Infrastructure との間でデータを移動する場合は、ZDLRA をライセンス不要の OCI バックアップ・クラウド・モジュールと統合できます。
Oracle Secure Backup Express	Oracle Secure Backup Express は Oracle Database にバンドルされています。Oracle Secure Backup Express に関するサポートは、オラクルの社員やコミュニティの専門家によってモニターされる無料の Oracle Discussion Forum を通じてのみ提供されます。 Oracle Secure Backup Express では、Oracle データベースおよびテープ保護を必要とする Oracle ホーム・ファイルおよびその他のファイル・システム・データをバックアップできます。 詳細は、Oracle Secure Backup ライセンス情報を参照してください。
Oracle Spatial and Graph	次の Oracle Spatial and Graph コンポーネントは Oracle Database がインストールおよび使用されているサーバーとは異なるサーバーで、別途ライセンスを取得しなくてもインストールして使用できます。 ● 空間ジオコーダ ● 空間ルーティング・エンジン ● 空間 Web サービス ● プロパティ・グラフ・クライアント ● インメモリー・アナリスト(PGX) ● 空間視覚化コンポーネント ● Spatial Studio 詳細は Oracle Spatial and Graph 開発者ガイドおよび Oracle Spatial and Graph プロパティ・グラフ開発者ガイドを参照してください。
Oracle Wallet	Oracle Wallet は PKCS#12 コンテナで、認証および暗号化鍵を格納するのに使用されます。Oracle データベースのセキュアな外部パスワード・ストア機能により、Oracle データベースに対するパスワード・ベースの認証用に Oracle Wallet にパスワードが格納されます。Oracle Wallet は、Oracle Database に対する PKI 認証用の資格証明、ネットワーク暗号化の構成(SSL/TLS)および Oracle Advanced Security 透過的データ暗号化(TDE)マスター暗号化鍵を格納するのにも使用できます。ネットワー

機能/オプション	ライセンス情報
	ク暗号化(ネイティブ・ネットワークの暗号化、ネットワーク・データ整合性および SSL/TLS)と厳密認証サービス(Kerberos、PKI および RADIUS)は、Oracle Advanced Security の一部ではなくなり、ライセンスが供与されているすべてのサポート対象リリースの Oracle Database に含まれるようになりました。
シャード・ディレクタ	シャード・ディレクタは、Oracle Database がインストールおよび使用されているサーバーとは異なるサーバーでインストールおよび使用できます。シャード・ディレクタを実行しているサーバー用に別途ライセンスを取得する必要はありません。
XStream	XStream は、クライアント・アプリケーションによる Oracle データベースからのリアルタイムのデータ変更の受信(XStream Out API を使用)および Oracle データベースへのリアルタイムのデータ変更の送信(XStream In API を使用)を可能にする Application Program Interface (API)を提供します。これらのデータ変更は、Oracle データベースと他のシステム(ファイルシステムや Oracle 以外のデータベースなど)で共有可能です。XStream は、Oracle GoldenGate 製品を介してライセンス供与されます。この製品のライセンスの購入が、XStream API を使用するには必要です。詳細は、Oracle 担当営業にお問い合せください。

1.8 使用制限付きライセンス

表1-17 使用制限付きライセンス

機能/オプション	ライセンス情報
AQ シャード・キュー	Oracle Partitioning の制限付き使用は、AQ シャード・キューをサポートする目的でのみ、すべての製品において無償で許可されています。他のあらゆる Oracle Partitioning の使用には、Oracle Partitioning オプションのライセンスが必要です(使用可能な場合)。
Oracle Advanced Compression Oracle Advanced Security	Oracle Advanced Compression および Oracle Advanced Security の使用制限付きライセンスは、次の移行のいずれかの実行時に付与されます。 ● Oracle Zero Downtime Migration ● Oracle Cloud Infrastructure Database Migration (DMS) これらの使用制限付きライセンスは、移行の実行中のみ有効になり、移行操作の目的に対してのみ適用されます。Oracle Advanced Compression および Oracle Advanced Security の他のすべての使用には、ライセンスが必要です。
Oracle Advanced Security	2004 年 4 月 5 日以前に購入した Oracle Advanced Security ライセンスでは、エンタープライズ・ユーザー・セキュリティをサポートする Oracle Directory Services

機能/オプション	ライセンス情報
	Plus の Oracle Internet Directory (OID)コンポーネントの制限付きライセンスが含まれています。 Oracle Advanced Security には、次の Oracle Enterprise Manager 機能の使用制限付きライセンスが含まれています。 ● アプリケーション・データ・モデル(旧称: データ検出およびモデリング) ● 機密列タイプおよび機密データ検出 ● Application Accelerator Oracle Advanced Security 以外の目的で前述の Oracle Enterprise Manager 機能の使用を希望する場合は、Oracle Data Masking and Subsetting Pack の完全使用ライセンスの購入が必要です。
Oracle Application Server Containers for J2EE	Oracle Application Server Containers for J2EE (OC4J)の使用制限付きライセンスが、(Oracle Database Express Edition を除く)すべてのエディションに含まれています。この組込みのバージョンは Oracle Enterprise Manager (Database および Cloud Control)、Advanced Queuing サーブレット、Ultra Search および Application Express をサポートするために提供されるもので、他の目的で使用またはデプロイすることはできません。
Oracle Applications Unlimited	Oracle Applications Unlimited アプリケーションの Oracle Cloud デプロイメントをサポートする目的で Oracle Database Cloud Service Enterprise Edition (DBCS-EE)インスタンスを使用する場合は、Oracle On-Line Analytical Processing (OLAP)および Oracle Partitioning オプションの使用制限付きライセンスが含まれます。これらのオプションは Oracle Applications Unlimited をサポートする目的でのみ使用でき、他の用途での使用またはデプロイは許可されません。
Oracle Big Data SQL	Oracle Big Data SQL には、HDFS、Kafka、NoSQL ストアなどのデータ・ソースの問合せに使用する問合せサーバーが含まれています。Oracle Big Data SQL には、問合せサーバーが維持するメタデータ(外部表およびビュー)を保存する Oracle Database の制限付き使用ライセンスが含まれています。この Oracle Database に他のオブジェクトを作成することはできません。
Oracle Data Masking and Subsetting Pack	Oracle Data Masking and Subsetting で使用される暗号化 Data Pump エクスポートおよびインポート用に Oracle Advanced Security の使用制限付きライセンスが含まれています。Oracle Advanced Security のその他の機能は含まれていません。

機能/オプション	ライセンス情報
Oracle Database Mobile Server	Oracle Database Mobile Server は、集中管理コンソールからのモバイルまたは埋込みデバイス・ネットワーク制御用の強力なツールです。Oracle エンタープライズ・バックエンドに対するモバイルまたは埋込みデバイス上でローカルで実行されるアプリケーションにセキュアでスケーブルな接続方法を提供します。同期システムは、堅牢でフォルト・トレラントです。信頼性が低く、断続的に使用可能なネットワーク上でも同期できます。 Oracle Database Mobile Server では、アプリケーション、ユーザーおよびデバイスを管理することも可能です。Oracle WebLogic、Oracle Glassfish および Apache TomEE など、各種アプリケーション・サーバー・プラットフォーム上で実行できます。 クライアント・デバイス側で、データ・ストアとして Oracle Berkeley DB と連携するよう設計されており、モバイルや埋込みデバイス上で、効率的かつ信頼性が高く、セキュアなデータ管理をローカルで実行できます。また、広く普及しているオープン・ソース・データ・ストアである SQLite とも互換性があります。Database Mobile Serverd は、Oracle Java、Linux、Windows (ラップトップ用や Mobile/CE 版)および Android など、多くの一般的なデバイス・プラットフォームをサポートしています。
Oracle Database Vault	Oracle Database Vault には、次の Oracle Enterprise Management 機能の使用制限付きライセンスが含まれています。 ● アプリケーション・データ・モデリング(旧称: データ検出およびモデリング) ● Oracle E-Business Suite の選択バージョン用のアプリケーション・データ・モデリング・アクセラレータ ● Oracle Fusion Applications の選択バージョン用のアプリケーション・データ・モデリング・アクセラレータ
Oracle HTTP Server	Oracle HTTP Server の使用制限付きライセンスは、HTTP Server がデータベースと同じサーバー上で実行されている場合、(Oracle Database Express Edition を除く)すべてのエディションに含まれています。異なるサーバー上で Oracle HTTP Server を実行する場合は、Oracle Database または Oracle Application Server のライセンスを通じて、そのサーバーに HTTP Server の使用ライセンスが供与される必要があります。
Oracle Internet Directory Oracle Unified Directory	Oracle Identity Management Directory Services Plus コンポーネントの Oracle Internet Directory(OID)/Oracle Unified Directory (OUD)の使用制限付きライセンスが(Oracle Database Express Edition を除く)すべてのエディションに含まれていますが、これはユーザーが Oracle Net Services の構成にディレクトリ・ネーミング機能を使用する場合に制限されています。OID/OUD は、他の用途で使用することもデプロイすることもできません。

機能/オプション	ライセンス情報
Oracle Label Security	Oracle Label Security には、次の Oracle Enterprise Manager 機能の使用制限付きライセンスが含まれています。 ● アプリケーション・データ・モデル(旧称: データ検出およびモデリング) ● 機密列タイプおよび機密データ検出 ● Application Accelerator Oracle Label Security 以外の目的で前述の Oracle Enterprise Manager 機能の使用を希望する場合は、Oracle Data Masking and Subsetting Pack の完全使用ライセンスの購入が必要です。
Oracle Programmer	Oracle Programmer は、Oracle Database のすべてのエディションのプログラムで使用するインタフェースをアプリケーション・プログラマに提供します。ただし、Oracle Programmer を使用するには、Oracle Programmer ライセンスを別途購入する必要があります。 Oracle Programmer に含まれる製品は、次のとおりです。 ● SQL 形式の埋込みインタフェース: Pro*C/C++、Pro*COBOL、Pro*Fortran、SQL*Module for Ada、SQLJ ● データベース・スキーマからホスト言語バインドを生成するユーティリティ: Object Type Translator および JPub
Oracle Radius Agent	Oracle Identity Management Directory Services Plus コンポーネントの Oracle Radius Agent (ORA)の使用制限付きライセンスが(Oracle Database Express Edition を除く)すべてのエディションに含まれていますが、これはユーザーが第 1 ファクタ認証に Oracle Unified Directory/Oracle Internet Directory/Microsoft Active Directory を使用する場合に制限されています。ORA は、他の Radius サービスのために使用することもデプロイすることもできません。MFA 機能については、追加ライセンスが必要になります。Oracle Identity and Access Management 個別ライセンス製品を参照してください。
Oracle Real Application Testing	Load Testing Accelerator for Oracle Database、Oracle Load Testing および Oracle Load Testing Controller の使用制限付きライセンスは、Oracle Database のテスティング用として Oracle Real Application Testing に含まれており、アプリケーションのテスティングには使用できません。
Oracle Secure Backup	Oracle Secure Backup Express は、単一サーバーの Oracle Database 環境に対するデータ保護を実現する中央集中型のテープ・バックアップ管理ソリューションで

機能/オプション	ライセンス情報
Express	す。Oracle Secure Backup Express の使用制限付きライセンスはすべての Oracle Database エディションに含まれています。Oracle Secure Backup Express は、直接接続テープ・ドライブが 1 つである単一ホストに制限されており、高度な機能の使用に関していくらかの制約があります。詳細は、Oracle Secure Backup ライセンス情報を参照してください。
Oracle Sharding	Oracle Sharding には、Global Data Services の使用制限付きライセンスが含まれます。 Global Data Services を Oracle Sharding 以外の目的で使用する場合は、Oracle Active Data Guard オプションのライセンスが必要です。
Oracle Spatial and Graph	Oracle Partitioning の制限付き使用は、次の空間、プロパティ・グラフおよび RDF グラフ・テクノロジ(RDF/OWL)機能をサポートする目的でのみ、すべての製品において無償で許可されています: 空間トポロジ、プロパティ・グラフ・スキーマおよび RDF セマティック・グラフ。他のあらゆる Oracle Partitioning の使用には、Oracle Partitioning オプションのライセンスが必要です(使用可能な場合)。
Real Application Security	Real Application Security (RAS)の制限付き使用は、Oracle Database Standard Edition 2 (SE2)および Oracle Database Cloud Service Standard Edition (DBCS SE)において、DBMS_NETWORK_ACL_ADMIN パッケージのサブプログラムの使用を目的とする場合のみ無償で許可されます。
Recovery Manager (RMAN)	Oracle Partitioning の制限付き使用は、RMAN リカバリ・カタログをサポートする目的でのみ、すべての製品において無償で許可されています。他のあらゆる Oracle Partitioning の使用には、Oracle Partitioning オプションのライセンスが必要です(使用可能な場合)。
統合監査	Oracle Partitioning の制限付き使用は、統合監査証跡を格納する目的でのみ、すべての製品において無償で許可されています。他のあらゆる Oracle Partitioning の使用には、Oracle Partitioning オプションのライセンスが必要です(使用可能な場合)。

2 Third-Party Notices and/or Licenses

- Third-Party Notices and/or Licenses for Oracle Database
- Third-Party Notices and/or Licenses for Oracle Database Components
- Written Offer for Source Code

2.1 Third-Party Notices and/or Licenses for Oracle Database

2.1.1 Commercial Software Included in Oracle Database

Commercial software products or components distributed in Oracle Database 19c are identified in the following table along with the applicable licensing information.

Table 2-1 Commercial Software Included in Oracle Database

Provider	Component(s)	Licensing Information
MapInfo Corp.	Projections Code 1.0	Portions of this software Copyright 1992-2000, MapInfo Corporation, ALL RIGHTS RESERVED.
RSA	RSA BSAFE Crypto-J 6.2.2.1	This product includes code licensed from RSA Data Security. See Figure 2-1.

Figure 2-1 RSA Secure Logo

2.1.2 Open Source or Other Separately Licensed Software Included in Oracle Database

Required notices for open source or other separately licensed software products or components distributed in Oracle Database 19c are identified in the following table along with the applicable licensing information. Additional notices and/or licenses may be found in the included documentation or readme files of the individual third party software.

Table 2-2 Open Source or Other Separately Licensed Software Included in Oracle Database

Provider	Component(s)	Licensing Information
ANTLR	Antlr 3.2	ANTLR 3 License

Provider	Component(s)	Licensing Information
		[The BSD License] Copyright (c) 2003-2007, Terence Parr All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: - Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. - Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. - Neither the name of the author nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON

Provider	Component(s)	Licensing Information
		ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
Apache	Apache Commons Math 3.6.1	For a copy of the license, see Apache Commons Math 3.6.1 License.
Apache	Apache Tomcat 8.5.37	For a copy of the license, see Apache Tomcat 8.5.37 License.
Apache	Batik SVG Toolkit 1.10	For a copy of the license, see Batik SVG Toolkit 1.10 License.
Apache	Commons Beanutils 1.9.3	NOTICE.txt Apache Commons BeanUtils Copyright 2000-2016 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/). LICENSE.txt This product is licensed under the Apache 2.0 license. See The Apache Software License, Version 2.0.
Apache	Commons CSV 1.5	NOTICE.txt Apache Commons CSV Copyright 2005-2017 The Apache Software Foundation

Provider	Component(s)	Licensing Information
		This product includes software developed at The Apache Software Foundation (http://www.apache.org/). LICENSE.txt This product is licensed under the Apache 2.0 license. See The Apache Software License, Version 2.0.
Apache	Commons Compress 1.18	Commons Compress 1.18 COPYRIGHT: Copyright 2002-2018 The Apache Software Foundation LICENSE: Apache 2.0 This product is licensed under the Apache 2.0 license. See The Apache Software License, Version 2.0. ========== 4P Dependencies: --- From Notice File: The files in the package org.apache.commons.compress.archivers.sevenz were derived from the LZMA SDK, version 9.20 (C/ and CPP/7zip/), which has been placed in the public domain: "LZMA SDK is placed in the public domain." (http://www.7-zip.org/sdk.html) Anyone is free to copy, modify, publish, use, compile, sell, or distribute the original LZMA SDK code, either in source code form or as a compiled binary, for any purpose, commercial or

Provider	Component(s)	Licensing Information
		non-commercial, and by any means.
Apache	Commons FileUpload 1.4	Apache Commons FileUpload Copyright 2002-2017 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/). This product is licensed under the Apache 2.0 license. See The Apache Software License, Version 2.0.
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Apache	Commons Logging 1.2	Apache Commons Logging Copyright 2003-2014 The Apache Software Foundation This product includes software developed at The Apache Software Foundation (http://www.apache.org/).

Provider	Component(s)	Licensing Information
		This product is licensed under the Apache 2.0 license. See The Apache Software License, Version 2.0.
Apache	HttpComponents HttpClient 4.5.5	Apache HTTPComponents Client Copyright 1999-2017 The Apache Software Foundation You may not use the identified files except in compliance with the Apache License, Version 2.0 (the "License.") You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0. A copy of the license is also reproduced below. Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. This product is licensed under the Apache 2.0 license. See The Apache Software License, Version 2.0.
Apache	HttpComponents HttpClient 4.5.7	For a copy of the license, see HttpComponents HttpClient 4.5.7 License.
Apache	HttpCore 4.4.9	Apache HttpComponents Core 4.4.9 Copyright 2005-2018 The Apache Software Foundation This product includes software developed at The Apache Software Foundation

Provider	Component(s)	Licensing Information
		(http://www.apache.org/). This product is licensed under the Apache 2.0 license. See The Apache Software License, Version 2.0.
Apache	HttpCore 4.4.11	For a copy of the license, see HttpCore 4.4.11 License.
Apache	Log4J 2.11.1	For a copy of the license, see Log4J 2.11.1 License.
Apache	Lucene 7.5.0	For a copy of the license, see Lucene 7.5.0 License.
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Apache	XMLBeans 2.6.4	For a copy of the license, see XMLBeans 2.6.4 License.
Apache	Xerces2 Java 2.12.0	For a copy of the license, see Xerces2 Java 2.12.0 License.
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The initial code for shuffling an array (originally in class "org.apache.commons.math3.random.RandomDataGenerator", now replaced by a method in class "org.apache.commons.math3.util.MathArrays") was inspired from the algorithm description provided in "Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999). The textbook (containing a proof that the shuffle is uniformly random) is available here: http://citeseerx.ist.psu.edu/viewdoc/download;?oi=10.1.1.173.1898&rep=rep1&type=pdf

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- javaee_5.xsd
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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
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```
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  co -D2006-11-20 mozilla/js/rhino
```

The patch is available here:

https://bugzilla.mozilla.org/attachment.cgi?id=288467

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org.mozilla.javascript.tools.debugger.downloaded.AbstractCellEditor.java

org.mozilla.javascript.tools.debugger.downloaded.JTreeTable.java

org.mozilla.javascript.tools.debugger.downloaded.TreeTableModel.java

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Version 1.1 - 26 February 2007

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gdal/frmts/gtiff/tif_float.c

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gdal/frmts/hdf4/hdf-eos/*

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gdal/frmts/pcraster/libcsf

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gdal/ogr/ogrsf_frmts/dxf/intronurbs.cpp

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gdal/alg/thinplatespline.cpp

IEEE754 log() code derived from:

@(#)e_log.c 1.3 95/01/18

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gdal/frmts/pdf/pdfdataset.cpp (method PDFiumRenderPageBitmap())

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gdal/frmts/mrf/* (apply when MRF driver included in build)

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==========

Modules:

- fluent-hc
- httpclient-cache
- httpclient-osgi
- httpclient-win
- httpclient
- httpmime

==========

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- commons-codec » commons-codec 1.10
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logging/blob/LOGGING_1_2/LICENSE.txt

- ---
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==========

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Hamcrest Core (org.hamcrest:hamcrest-core:1.3 - https://github.com/hamcrest/JavaHamcrest/hamcrest-core)

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==========

4P Test Dependencies (No Compile Dependencies):

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1) Commons-logging version 1.2 (Apache 2.0)

```
-------------------------------------------------
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-->
-----------------------------------------------------------------------------
```

2) junit version 5.2.0 (EPL 2.0)

```
-----------------------------------------------------------------------------
/*
 * Copyright 2015-2018 the original author or authors.
 *
 * All rights reserved. This program and the accompanying materials are
 * made available under the terms of the Eclipse Public License v2.0 which
 * accompanies this distribution and is available at
 *
 * http://www.eclipse.org/legal/epl-v20.html
 */
-----------------------------------------------------------------------------
```

3) commons-lang3 version 3.8 (Apache 2.0)

```
-----------------------------------------------------------------------------
/*
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 * contributor license agreements.  See the NOTICE file distributed with
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 * distributed under the License is distributed on an "AS IS" BASIS,
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 */
-----------------------------------------------------------------------------
```

4) mockito-core version 2.21.0 (MIT)

```
-----------------------------------------------------------------------------
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```

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------------------------------------------------------------------------
```

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js/libs/require/text.js                                     MIT 2.0.15
js/libs/js-signals/signals.js                               MIT 1.0.0
js/libs/jquery/jquery-3.1.1.js                              MIT 3.1.1
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js/libs/jquery/jqueryui-amd-1.12.0/core.js                  MIT 1.12.0
js/libs/jquery/jqueryui-amd-1.12.0/draggable.js             MIT 1.12.0
js/libs/jquery/jqueryui-amd-1.12.0/mouse.js                 MIT 1.12.0
js/libs/jquery/jqueryui-amd-1.12.0/position.js              MIT 1.12.0
js/libs/jquery/jqueryui-amd-1.12.0/sortable.js              MIT 1.12.0
js/libs/jquery/jqueryui-amd-1.12.0/widget.js                MIT 1.12.0
js/libs/history/history.iegte8.js                           MIT 4.1.0
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js/libs/oj/v3.1.0/ojL10n.js (requireJS i18n)                MIT 2.0.2
js/libs/hammer/hammer-2.0.8.js                              MIT 2.0.8
js/libs/require-css/css.js (require-css)                    MIT 0.1.8
js/libs/proj4js/dist/proj4.js                               Proj4js 2.3.14
scss/oj/v3.1.0/3rdparty/normalize/normalize.scss            MIT 1.0
--------------------------------------------------------------------------------
```

=== Knockout.js 3.4.0 ===

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=== knockout-amd-helpers 0.7.3 ===

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=== RequireJS i18n 2.0.2 ===

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=== jsTree 1.0-rc3 ===

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=== jQuery UI - v1.11.4 ===

Includes: core.js, widget.js, mouse.js, position.js, draggable.js, sortable.js

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== RequireJS 2.1.16 ==

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 *
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js/libs/require-css/css.js (require-css)                    MIT 0.1.8
js/libs/proj4js/dist/proj4.js                               Proj4js 2.3.14
scss/oj/v3.1.0/3rdparty/normalize/normalize.scss            MIT 1.0
--------------------------------------------------------------------------------
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=== knockout-amd-helpers 0.7.3 ===

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=== jsTree 1.0-rc3 ===

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=== jQuery UI - v1.11.4 ===

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js/libs/knockout/knockout-3.4.0.js                          MIT 3.4.0
js/libs/knockout/knockout-mapping-latest.js                 MIT 2.4.1
js/libs/require/require.js                                  MIT 2.3.2
js/libs/require/text.js                                     MIT 2.0.15
js/libs/js-signals/signals.js                               MIT 1.0.0
js/libs/jquery/jquery-3.1.1.js                              MIT 3.1.1
js/libs/jquery/jquery-ui-1.12.0.custom.js                   MIT 1.12.0
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js/libs/jquery/jqueryui-amd-1.12.0/draggable.js             MIT 1.12.0
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js/libs/hammer/hammer-2.0.8.js                              MIT 2.0.8
js/libs/require-css/css.js (require-css)                    MIT 0.1.8
js/libs/proj4js/dist/proj4.js                               Proj4js 2.3.14
scss/oj/v3.1.0/3rdparty/normalize/normalize.scss            MIT 1.0
--------------------------------------------------------------------------------
```

=== Knockout.js 3.4.0 ===

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=== knockout-amd-helpers 0.7.3 ===

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=== Normalize.css ===

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=== RequireJS i18n 2.0.2 ===

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=== jsTree 1.0-rc3 ===

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=== jQuery UI - v1.11.4 ===

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*/
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  org.apache.tomcat:tomcat-jasper-el
  org.apache.tomcat:tomcat-api
  org.apache.tomcat:tomcat-util-scan
  org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
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Mortbay  version 8.5.24.2
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org.eclipse.jetty.toolchain:jetty-schemas
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- lib/gssapi/mechglue/g_acquire_cred.c
- lib/gssapi/mechglue/g_canon_name.c
- lib/gssapi/mechglue/g_compare_name.c
- lib/gssapi/mechglue/g_context_time.c
- lib/gssapi/mechglue/g_delete_sec_context.c
- lib/gssapi/mechglue/g_dsp_name.c
- lib/gssapi/mechglue/g_dsp_status.c
- lib/gssapi/mechglue/g_dup_name.c
- lib/gssapi/mechglue/g_exp_sec_context.c
- lib/gssapi/mechglue/g_export_name.c
- lib/gssapi/mechglue/g_glue.c
- lib/gssapi/mechglue/g_imp_name.c
- lib/gssapi/mechglue/g_imp_sec_context.c
- lib/gssapi/mechglue/g_init_sec_context.c
- lib/gssapi/mechglue/g_initialize.c
- lib/gssapi/mechglue/g_inquire_context.c
- lib/gssapi/mechglue/g_inquire_cred.c
- lib/gssapi/mechglue/g_inquire_names.c
- lib/gssapi/mechglue/g_process_context.c
- lib/gssapi/mechglue/g_rel_buffer.c
- lib/gssapi/mechglue/g_rel_cred.c
- lib/gssapi/mechglue/g_rel_name.c
- lib/gssapi/mechglue/g_rel_oid_set.c
- lib/gssapi/mechglue/g_seal.c
- lib/gssapi/mechglue/g_sign.c
- lib/gssapi/mechglue/g_store_cred.c
- lib/gssapi/mechglue/g_unseal.c
- lib/gssapi/mechglue/g_userok.c
- lib/gssapi/mechglue/g_utils.c
- lib/gssapi/mechglue/g_verify.c
- lib/gssapi/mechglue/gssd_pname_to_uid.c
- lib/gssapi/mechglue/mglueP.h
- lib/gssapi/mechglue/oid_ops.c
- lib/gssapi/spnego/gssapiP_spnego.h
- lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

- include/iprop_hdr.h
- kadmin/server/ipropd_svc.c
- lib/kdb/iprop.x
- lib/kdb/kdb_convert.c
- lib/kdb/kdb_log.c
- lib/kdb/kdb_log.h
- lib/krb5/error_tables/kdb5_err.et
- slave/kpropd_rpc.c
- slave/kproplog.c

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VERSION: 2.1 PoliMorf

BUILD: 2016-02-13 19:37:50+01:00

GIT: 6e63b53

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nd4j-native-platform v. 0.9.1

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- nd4j-native-api v. 0.9.1
- Apache 2.0

- nd4j-native v. 0.9.1
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- Apache 2.0
- nd4j-buffer v. 0.9.1
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- Apache 2.0
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Perl is a general-purpose programming language originally developed for text manipulation and now used for a wide range of tasks including system administration, web development, network programming, GUI development, and more.

The language is intended to be practical (easy to use, efficient, complete) rather than beautiful (tiny, elegant, minimal). Its major features are that it's easy to use, supports both procedural and object-oriented (OO) programming, has powerful built-in support for text processing, and has one of the world's most impressive collections of third-party modules.

For an introduction to the language's features, see pod/perlintro.pod.

For a discussion of the important changes in this release, see pod/perldelta.pod.

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The language is intended to be practical (easy to use, efficient, complete) rather than beautiful (tiny, elegant, minimal). Its major features are that it's easy to use, supports both procedural and object-oriented (OO) programming, has powerful built-in support for text processing, and has one of the world's most impressive collections of third-party modules.

For an introduction to the language's features, see pod/perlintro.pod.

For a discussion of the important changes in this release, see pod/perldelta.pod.

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This code may require the following fourth party dependencies:

XML::Simple requires either XML::Parser or XML::SAX.

To generate documents with namespaces, XML::NamespaceSupport is required.

The optional caching functions require Storable.

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XML::Parser is already a part of perl core. It does not have copyright information listed in its homepage.

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AUTHORS

Larry Wall <larry@wall.org> wrote version 1.0.

Clark Cooper <coopercc@netheaven.com> picked up support, changed the API for this version (2.x), provided documentation, and added some standard package features.

Matt Sergeant <matt@sergeant.org> is now maintaining XML::Parser

- - -- - - - - - - -- -

XML::SAX , copyright information is not listed in their homepage

AUTHOR

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XML::NamespaceSupport

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Chris Prather <chris@prather.org>

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Author:

Storable was written by Raphael Manfredi <Raphael_Manfredi@pobox.com> Maintenance is now done by cperl http://perl11.org/cperl

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org.apache.httpcomponents:httpcore:4.4.9 (Apache 2.0)

commons-codec:commons-codec:1.10 (Apache 2.0)

commons-logging:commons:logging:1.2 (Apache 2.0)

org.apache.commons:commons-lang3:3.4 (Apache 2.0)

junit:junit:4.12 (Test) (EPL 1.0)

org.mockito:mockito-core:1.10.19 (Test)(MIT)

org.hamcrest:hamcrest-core:1.1 (Test)(BSD 2-Clause)

org.objenesis:objenesis:2.1 (Test) (Apache 2.0)

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