

## What's New for Exadata Cloud at Customer

New and changed features routinely become available in Exadata Cloud at Customer. You don't need to request an upgrade to deliver the new features — they come to you automatically. Here's an overview of new features and enhancements added over time.

### Note:

This is the new features guide for Gen 1 Exadata Cloud at Customer. Gen 1 is the first generation of Exadata Cloud at Customer, which is deployed in conjunction with [Oracle Cloud at Customer](#) using Oracle Cloud Infrastructure Classic (OCI-C).

If you are looking for Gen 2 Exadata Cloud at Customer, which is deployed in conjunction with [Oracle Cloud Infrastructure](#), please use the latest documentation for [Gen 2 Exadata Cloud at Customer](#).

## Exadata Cloud at Customer Releases:

- [Exadata Cloud at Customer Release 18.4.6 — August 2019](#)
- [Exadata Cloud at Customer Release 18.1.4.4 — December 2018](#)
- [Exadata Cloud at Customer Release 18.1.4.2 — October 2018](#)
- [Exadata Cloud at Customer Release 18.1.4 — May 2018](#)
- [Exadata Cloud at Customer Release 17.4.2 — March 2018](#)
- [Exadata Cloud at Customer Release 17.2.3 — August 2017](#)
- [Exadata Cloud at Customer Release 17.1.2 — April 2017](#)
- [Exadata Cloud at Customer Release 16.4.2 — December 2016](#)

## Exadata Cloud at Customer Release 18.4.6 — August 2019

Feature	Description
Elastic System Configuration	In this release you can optionally scale your Exadata Cloud at Customer configuration by adding compute nodes or Exadata Storage Servers to create custom system configurations. See <a href="#">Exadata System Configuration</a> .
Enhanced Cluster Node Subsetting	This release enhances the cluster node subsetting feature by adding support for administrators to add nodes to an existing VM cluster, or delete nodes from an existing VM cluster. See <a href="#">Modifying an Existing VM Cluster</a> .
Enhanced Database Instance Subsetting	This release enhances the database instance subsetting feature by allowing administrators to modify the set of nodes that host a particular database. See <a href="#">Stopping, Starting, and Removing Database Instances</a> .

## Exadata Cloud at Customer Release 18.1.4.4 — December 2018

Feature	Description
Cluster Node Subsetting	In this release you can configure a virtual machine (VM) cluster that contains a subset of the available compute nodes (database servers). See <a href="#">Multiple VM Clusters</a> .
CPU Oversubscription	CPU oversubscription enables you to allocate more virtual CPU cores to your VM cluster than the total number of physical CPU cores that are available to the service instance, which enables you to better utilize compute node CPU resources during periods of average CPU usage. See <a href="#">CPU Oversubscription</a> .
My Services REST API support	In this release you can use the Oracle My Services REST API to perform management functions on the Exadata Cloud at Customer instance. See <a href="#">Using the Exadata Cloud at Customer REST APIs</a> .

## Exadata Cloud at Customer Release 18.1.4.2 — October 2018

Feature	Description
Assisted patching of user domains (DomU)	In this release, you can apply some user domain (DomU) operating system patches to the compute nodes by using the Web-based user interface in the Oracle Database Cloud Service Console. However, note that you can only apply specific patches that are staged in the Oracle Database Cloud Service Console. See <a href="#">About Patching Exadata Cloud at Customer</a> .

Feature	Description
Monitoring and managing Exadata Storage Servers using the ExaCLI utility	In this release, you can use the ExaCLI utility to perform monitoring and management functions on the Exadata Storage Servers that are associated with your Exadata Cloud at Customer instance. See <a href="#">Monitoring and Managing Exadata Storage Servers on Exadata Cloud at Customer</a> .
New subscription model with separate subscriptions for Exadata infrastructure and compute node OCPUs	This release introduces support for a new subscription model for Exadata Cloud at Customer. Under this new model, you can subscribe to the Exadata Cloud at Customer infrastructure using a term-based subscription and enable the compute node OCPUs as required using a separate subscription. This model also removes the minimum OCPU threshold that previously existed with Exadata Cloud at Customer and enables ultimate flexibility to manage OCPU usage and subscription costs. See <a href="#">Creating an Exadata Cloud at Customer Instance</a> .
Service suspension	In this release, you can suspend and later resume your Exadata Cloud at Customer instance. See <a href="#">Suspending and Resuming an Exadata Cloud at Customer Instance</a> .
Separation of administration privileges	This release introduces additional roles to enable more targeted delegation of administration privileges. See <a href="#">About Exadata Cloud at Customer Roles and Users</a> .
Integration with Cloud Notification Service	This release extends integration with Cloud Notification Service, which provides notification for events that affect the status of system components. See <a href="#">Cloud Notification Service Events</a> .

## Exadata Cloud at Customer Release 18.1.4 — May 2018

Feature	Description
Support for Oracle Database 18c	This release includes support for Oracle Database 18c. See <a href="#">Oracle Database Software Release</a> .
Multiple VM Clusters	With this feature, you can define up to 8 virtual machine (VM) clusters on your physical Exadata Cloud at Customer rack, with each VM cluster being allocated a dedicated portion of the overall Exadata system resources. See <a href="#">Multiple VM Clusters</a> .
Shared Oracle Homes	An Oracle Home is a directory location on the database servers that contains Oracle Database binaries. With this feature, multiple database deployments can share a set of Oracle Database binaries in a shared Oracle Home directory location. See <a href="#">Administering Oracle Homes</a> .
Instantiate from Cloud Backup	In this release you can create a database deployment whose database is instantiated from a backup stored in Oracle Database Backup Cloud Service. See <a href="#">Creating a Database Deployment Using a Cloud Backup</a> .

Feature	Description
Exadata Snapshot Databases	In this release you can create and manage Exadata snapshots. Exadata snapshots enable space-efficient clones of Oracle databases that can be created and destroyed very quickly and easily. Snapshot clones are often used for development, testing, or other purposes that require a transient database. See <a href="#">Creating and Managing Snapshots of a Database Deployment</a> .

## Exadata Cloud at Customer Release 17.4.2 — March 2018

Feature	Description
Support for Oracle Exadata X7	Exadata Cloud at Customer offers a range of instance configurations. This release introduces new configurations based on Oracle Exadata X7. See <a href="#">Exadata System Configuration</a> .
Database Instance Subsetting	In this release you can configure a new database deployment with database instances that run on a subset of the available compute nodes (database servers). See <a href="#">Creating a Database Deployment</a> .
Support for Oracle Data Guard	In this release you can use Oracle Data Guard to increase database availability and provide disaster protection for database deployments. See <a href="#">Using Oracle Data Guard in Exadata Cloud at Customer</a> .
ZDLRA Support for Automated Database Backups	In this release you can select Oracle Zero Data Loss Recovery Appliance (ZDLRA) as a target for automatic database backups. See <a href="#">Creating an Exadata Cloud at Customer Instance and Creating a Database Deployment</a> .
Support for Cloud Notification Service	This release introduces notifications for events on Exadata Cloud at Customer, such as shutdown of a database server DomU. Events are organized by topics, and you can subscribe to these topics in order to be notified when a related event occurs. Notifications are delivered using the Cloud Notification Service. See <a href="#">Monitoring Notifications</a> .

## Exadata Cloud at Customer Release 17.2.3 — August 2017

Feature	Description
Support for Oracle Cloud Machine X6	In this release, Exadata Cloud at Customer works in conjunction with Oracle Cloud Machine X6, enabling simplified deployment and connectivity in your data center.
Backup to Cloud Storage on Oracle Cloud Machine	To store database backups, Exadata Cloud at Customer can leverage Cloud Storage provided by Oracle Cloud Machine X6. See <a href="#">Backing Up and Restoring Databases on Exadata Cloud at Customer</a> .

# Exadata Cloud at Customer Release 17.1.2 — April 2017

Feature	Description
Support for Oracle Database 12c Release 2	This release includes support for Oracle Database 12c Release 2 (12.2.0.1). See Oracle Database Software Release.
Backup and Recovery	Exadata Cloud at Customer provides automatic database backup capabilities. This release introduces new backup and recovery interfaces and capabilities. See Backing Up and Restoring Databases on Exadata Cloud at Customer.
Patching	Exadata Cloud at Customer provides tools and interfaces to assist with patching operations. This release introduces new patching interfaces and capabilities. See Patching Exadata Cloud at Customer.

# Exadata Cloud at Customer Release 16.4.2 — December 2016

This is the first release of Exadata Cloud at Customer.

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Oracle® Cloud at Customer What's New for Oracle Database Exadata Cloud at Customer (Gen 1/OCI-C), E97323-07

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