

# Oracle® Essbase

## Release Notes for Oracle Essbase



Release 19.3

F21934-12

November 2022

The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

ORACLE®

Oracle Essbase Release Notes for Oracle Essbase, Release 19.3

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# 1

## Introduction

This topic introduces the Release Notes for Oracle Essbase 19c (19.3.x) via Marketplace. Oracle recommends you review its contents, and related documentation, before installing, or working with the product.

This document contains information, by release, about new features and enhancements, known issues, bug fixes, and patches. The document is accurate at the time of publication. Oracle will update the release notes periodically.

For complete documentation on Oracle Essbase via Marketplace, see <https://docs.oracle.com/en/database/other-databases/essbase/19.3/index.html>.

# 2

## Releases

Learn about new features and enhancements, per release, which were added to improve your Oracle Essbase experience. You can also learn about relevant issues, patches, listing changes, and bug fixes at the time of the release.

- [Release 19.3.0.0.1 - December 2019](#)
- [Release 19.3.0.0.2 - March 2020](#)
- [Release 19.3.0.2.3 - March 2020](#)
- [Release 19.3.0.2.3-1 - June 2020](#)
- [Release 19.3.0.3.4 - September 2020](#)
- [Release 19.3.0.4.5 - April 2021](#)
- [Release 19.3.0.5.6 - February 2022](#)
- [Release 19.3.0.6.0 - November 2022](#)

### Release 19.3.0.0.1 - December 2019

Here's an overview of new features, enhancements, issues, patches, other changes, and version information for this release.

#### What's New

There were no new features in this version.

#### Version Information

[Base OCI Image - Oracle-Linux-7.6-2019.08.02-0](#)

Software Versions Used:

- Java 1.8.0 u221
- Fusion Middleware 12.2.1.3.0
- Essbase 19.3.0.0.0

Patches applied:

- WebLogic Patch Set Update July 2019 (29814665)
- OPSS Bundle Patch July 2019 (29680122)
- FMW patch 29840258
- OPATCH 13.9.4.2.0 FOR FMW/WLS 12.2.1.3 (28186730)

#### Known Issues

The known issues in this version of Oracle Essbase via Marketplace:

- [Parse Failed Error Returned from CLI Dimbuild or Dataload Commands](#)
- [Manual Backup Failed](#)

- [Dense IO Shapes Not Supported](#)
- [Issues with Collecting Diagnostic Information](#)

### Patches, Listing Changes, and Bug Fixes

For patching instructions, see: Patch and Roll Back in *Administering Oracle Essbase* documentation.

To see listing changes in Oracle Essbase, see: <https://support.oracle.com/rs?type=doc&id=2635762.1>.

To see defects fixed and known issues in Oracle Essbase, see: <https://support.oracle.com/rs?type=doc&id=2621654.1>.

## Parse Failed Error Returned from CLI Dimbuild or Dataload Commands

When using Command Line Interface to perform data load or dimension build operations using a rules file that connects to an RDBMS, the user name and password are optional if the Datasource is already defined in Essbase.

If the Datasource isn't defined in Essbase, then the user name and password are mandatory. You may see a Parse Failed error if you didn't provide the user name and password.

## Manual Backup Failed

When running a backup manually, it failed with a Python OS error.

Workaround: For initial setup, instead of performing the steps in Set Up a Bucket to Store Manual Backups topic in *Administering Oracle Essbase*, follow the instructions in [Manual Backups on Autonomous Data Warehouse](#) topics in *Using Oracle Autonomous Data Warehouse*.

After the initial setup, you can then run Essbase backup scripts.

## Dense IO Shapes Not Supported

Essbase doesn't support Dense IO compute shapes.

The listed Dense IO shapes will be removed in a subsequent release. Oracle recommends that you don't use these shapes to provision Essbase.

## Issues with Collecting Diagnostic Information

In the current product version of the stack, there is a known issue with the diagnostic capture script.

The workaround is to execute the following steps.

1. Connect to VM and then change user to "oracle".

```
sudo su - oracle
```

2. Make a copy of `common_tools/env_props.py` file.

```
cp /u01/vmtools/common_tools/env_props.py /u01/vmtools/common_tools/
env_props.py.backup
```

3. In `env_props.py`, replace `ret` string in `return str(ret)` of `get911Password()` and `get911UserName()` functions with real Essbase admin user name and password, as shown below.

For example, Essbase admin user/password is `ess6admin/password7`.

```
vi /u01/vmtools/common_tools/env_props.py
def get911UserName():
    ret = ''
    config = pyhocon.ConfigFactory.parse_file(essbaseConfigJSON,
    resolve=False)
    ret = config['system']['adminUsername']
    return str('ess6admin')

def get911Password():
    ret = ''
    config = pyhocon.ConfigFactory.parse_file(essbaseConfigJSON,
    resolve=False)
    ret = config['system']['adminPassword']
    return str('password7')
```

To create diagnostics and get them from VM:

1. run `/u01/vmtools/collect-diagnostics.sh <path to file without extension>`  
For example:

```
/u01/vmtools/collect-diagnostics.sh /tmp/diagnostics
```

Note: `/tmp/diagnostics.zip` will be created

2. Copy private key from laptop to Bastion.  
For example:

```
scp -i
    '/cygdrive/c/OracleCloud/sshkey/cloud_private_key'
    '/cygdrive/c/OracleCloud/sshkey/cloud_private_key'
opc@<Bastion_IP>:/tmp/
```

3. Connect to Bastion.  
For example:

```
ssh -i '/cygdrive/c/OracleCloud/sshkey/cloud_private_key' opc@<Bastion_IP>
```

4. Copy diagnostics from VM to Bastion.  
For example:

```
scp -i /tmp/cloud_private_key opc@<VM_IP>:/tmp/diagnostics.zip /tmp/
```

5. Copy diagnostics from Bastion (or VM, when there is no Bastion) to laptop.



For example:

```
scp -i '/cygdrive/c/OracleCloud/sshkey/cloud_private_key'  
opc@<Bastion|VM_IP>:/tmp/diagnostics.zip /cygdrive/c/temp/
```

6. Send the diagnostics file `/cygdrive/c/temp/diagnostics.zip` to Oracle Support.

## Release 19.3.0.0.2 - March 2020

Here's an overview of new features, enhancements, issues, patches, other changes, and version information for this release.

Feature	Description
<b>Use existing Oracle Cloud Infrastructure database for Essbase metadata</b>	Instead of using an existing Autonomous Database instance (or provisioning a new one) for Essbase metadata, you can now select an existing Oracle Cloud Infrastructure Database instance.
<b>HTTPS at Essbase compute node</b>	Essbase compute instance in the stack is now secured by SSL using HTTPS, by default. You must deploy valid CA certificates; otherwise, some applications that do not support demo certs won't be able to connect. For example, Oracle Analytics Cloud Data Visualization. Load balancer is not required for HTTPS support.
<b>KMS encryption is now required</b>	You must now use encryption: a vault and key, for Essbase deployment. You can use a virtual vault, which is a lower-cost option than virtual private vaults.
<b>Open source Terraform scripts</b>	You can use Oracle custom pre-built images with Essbase already installed. You can also customize deployment based on network topologies that you set up in your tenancy. For the Terraform scripts and instructions, see the <a href="#">GitHub Repository</a> .

### Version Information

[Base OCI Image - Oracle Linux 7.7-2020.01.28-0](#)

Software versions used in 19.3.0.0.2:

- Java 1.8.0 u241
- Fusion Middleware 12.2.1.3.0
- Essbase 19.3.0.0.0

Patches applied:

- WebLogic patch set update January 2020 (30675853)
- OPSS patch bundle October 2019 (30146350)
- FMW patch 29840258
- OPATCH 13.9.4.2.0 FOR FMW/WLS 12.2.1.3 (28186730)

### Known Issues

The known issues in this version of Oracle Essbase via Marketplace:

- [Stack Destroy Job Fails If Object Bucket Not Empty](#)
- [Backup Scripts Work Only with Autonomous Transaction Processing Database](#)

- [Manual Backup Failed](#)
- [Issues with Collecting Diagnostic Information](#)
- [Stop and Start Service Commands Not Working as OPC User](#)

### **Patches, Listing Changes, and Bug Fixes**

For patching instructions, see: Patch and Roll Back in *Administering Oracle Essbase* documentation.

To see listing changes in Oracle Essbase, see: <https://support.oracle.com/rs?type=doc&id=2635762.1>.

To see defects fixed and known issues in Oracle Essbase, see: <https://support.oracle.com/rs?type=doc&id=2621654.1>.

## Stack Destroy Job Fails If Object Bucket Not Empty

Destroying the Essbase stack fails if the object storage bucket in the compartment associated with the stack is not empty.

The object storage bucket may contain information you want to save, such as backups. Move anything you need to save and empty the object storage bucket; then, rerun the destroy action. When the destroy action completes, you can delete the stack.

## Backup Scripts Work Only with Autonomous Transaction Processing Database

The configuration and backup scripts, `configure-backup-storage.sh`, and `backup.sh`, work for Essbase instances for which the metadata-storage database is configured as Autonomous Transaction Processing (ATP).

The backup scripts do not work for Essbase instances using an Oracle Cloud Infrastructure database for metadata.

## Stop and Start Service Commands Not Working as OPC User

In some cases, when using `sudo systemctl stop essbase.service`, as `opc` user, there was no response to the stop (or start) command, and the service did not change its run state.

Workaround: If Essbase service doesn't stop or start, using these commands, then use `oracle` user, and the scripts in `esstools`, to do the following:

1. As `opc` user, `sudo` to `oracle` user:

```
sudo su oracle
```

2. Then, as `oracle` user, access the script path:

```
cd /u01/config/domains/essbase_domain/esstools/bin
```

and stop, and then start, the services using scripts:

```
./stop.sh
```

and

```
./start.sh
```

3. (Optional) Run status.sh script to see results of the commands.

## Release 19.3.0.2.3 - March 2020

Here's an overview of new features, enhancements, issues, patches, other changes, and version information for this release.

### What's New

There were no new features in this version.

### Version Information

[Base OCI Image - Oracle-Linux-7.7-2020.02.21-0](#)

Software versions:

- Java 1.8.0 u241
- Fusion Middleware 12.2.1.3.0
- Essbase 19.3.0.0.0

Patches applied:

- WebLogic patch set update January 2020 (30675853)
- OPSS patch bundle October 2019 (30146350)
- FMW patch (29840258)
- Essbase Cumulative Patch 19.3.0.2.0 (30464311)
- OPATCH 13.9.4.2.0 FOR FMW/WLS 12.2.1.3 (28186730)

### Known Issues

The known issues in this version of Oracle Essbase via Marketplace:

- [Stack Destroy Job Fails If Object Bucket Not Empty](#)
- [Backup Scripts Work Only with Autonomous Transaction Processing Database](#)
- [Manual Backup Failed](#)
- [Issues with Collecting Diagnostic Information](#)
- [Stop and Start Service Commands Not Working as OPC User](#)

### Patches, Listing Changes, and Bug Fixes

For patching instructions, see: Patch and Roll Back in *Administering Oracle Essbase* documentation.

To see listing changes in Oracle Essbase via Marketplace, see: <https://support.oracle.com/rs?type=doc&id=2635762.1>.

To see defects fixed and known issues in Oracle Essbase via Marketplace, see: <https://support.oracle.com/rs?type=doc&id=2621654.1>.

## Release 19.3.0.2.3-1 - June 2020

Here's an overview of new features, enhancements, issues, patches, other changes, and version information for this release.

### What's New

Changes:

- Essbase 19.3.0.2.3 listing always fails for a new Oracle Cloud Infrastructure account at the Bastion host deployment. Essbase 19.3.0.2.3 listing has been removed and replaced with Essbase 19.3.0.2.3-1.

### Version Information

[Base OCI Image - Oracle-Linux-7.7-2020.02.21-0](#)

Software versions:

- Java 1.8.0 u241
- Fusion Middleware 12.2.1.3.0
- Essbase 19.3.0.0.0

Patches applied:

- RELEASE UPDATE: ORACLE ESSBASE 19.3.0.2.3 (31518504)
- WebLogic patch set update January 2020 (30675853)
- OPSS patch bundle October 2019 (30146350)
- FMW patch (29840258)
- Essbase Cumulative Patch 19.3.0.2.0 (30464311)
- OPATCH 13.9.4.2.0 FOR FMW/WLS 12.2.1.3 (28186730)

### Known Issues

The known issues in this version of Oracle Essbase via Marketplace:

- [Stack Destroy Job Fails If Object Bucket Not Empty](#)
- [Backup Scripts Work Only with Autonomous Transaction Processing Database](#)
- [Manual Backup Failed](#)
- [Issues with Collecting Diagnostic Information](#)
- [Stop and Start Service Commands Not Working as OPC User](#)

### Patches, Listing Changes, and Bug Fixes

For patching instructions, see: Patch and Roll Back in *Administering Oracle Essbase* documentation.

To see listing changes in Oracle Essbase via Marketplace, see: <https://support.oracle.com/rs?type=doc&id=2635762.1>.

To see defects fixed and known issues in Oracle Essbase via Marketplace, see: <https://support.oracle.com/rs?type=doc&id=2621654.1>.

## Release 19.3.0.3.4 - September 2020

Here's an overview of new features, enhancements, issues, patches, other changes, and version information for this version.

### What's New

- New Features and Enhancements:
  - Added support for private deployment for Load Balancer.
  - Bastion host is now optional when deploying an Essbase VM with a private IP.
  - Selection of availability domain for Bastion host is now supported.
  - Integration with Oracle Notification Service is now provided for Essbase compute life cycle events. This replaces the need to view internal logs to assess deployment results.
  - Integration with Oracle Cloud Infrastructure Monitoring Service is now supported for Essbase operation metrics. This provides a way to set alarms and triggers based on the operation state of your Essbase stack.
  - It's now possible to define smaller data and configuration volumes. Reduced default size of configuration volume to 64Gb. Minimum size for the data volume is now 256Gb
- Changes:
  - Essbase stack configuration is now started in the background.
  - Temp volume added (default of 64Gb) for storing temporary runtime data (except for backup and restore life cycle events).
  - Default Autonomous Database version is now 19c.

### Image Details

Software versions:

- [Oracle-Linux-7.8-2020.07.28-0](#)
- Oracle Fusion Middleware 12.2.1.3.0 GA
- Oracle Essbase 19.3.0.0.0 GA
- Oracle JDK 8 update 261 Server JRE

Applied patches:

- 28186730 - OPatch 13.9.4.2.4 for FMW/WLS 12.2.1.3.0 and 12.2.1.4.0
- 30965714 - WebLogic Patch Set Update 12.2.1.3.200227
- 31470751 - Coherence 12.2.1.3.10 Cumulative Patch using OPatch
- 31532341 - ADF Bundle Patch 12.2.1.3.200623
- 30146350 - OPSS Bundle Patch 12.2.1.3.191015
- 29650702 - FMW Platform 12.2.1.3.0 SPU April 2019
- 20623024 - RCU Patch
- 29840258 - RCU Patch for invalid FMWREGISTRY password

- 30977621 - Essbase Cumulative Bundle Patch

### Known Issues

The known issues in this version of Oracle Essbase via Marketplace:

- [Stack Destroy Job Fails If Object Bucket Not Empty](#)
- [Backup Scripts Work Only with Autonomous Transaction Processing Database](#)
- [Manual Backup Failed](#)
- [Essbase doesn't Restart after ATP-D Restore](#)

### Patches and Bug Fixes

For patching instructions, see: [Patch and Roll Back](#) in *Administering Oracle Essbase* documentation.

To see defects fixed and known issues in Oracle Essbase via Marketplace, see: <https://support.oracle.com/rs?type=doc&id=2621654.1>.

## Essbase doesn't Restart after ATP-D Restore

Destroying the Essbase stack fails if the object storage bucket in the compartment associated with the stack isn't empty.

After a restore from a backup of Autonomous Transaction Processing - Dedicated (ATP-D), Essbase doesn't restart.

Workaround: Start the administration server and the managed server manually by running the `start.sh` script, as follows:

1. As `opc` user, sudo to oracle user: `sudo su - oracle`
2. Then, as oracle user, access scripts in `esstools` with this path: `cd /u01/config/domains/essbase_domain/esstools/bin`
3. Start the services, using this script: `./start.sh`

## Release 19.3.0.4.5 - April 2021

Here's an overview of new features, enhancements, issues, patches, other changes, and version information for this version.

### What's New

- New Features and Enhancements:
  - Flexible Shapes support for Essbase compute, allows you to customize the number of OCPUs when launching or resizing your VM.
- Changes:
  - Attaching to existing private ADB instances is now supported.

### Image Details

Software versions:

- [Oracle-Linux-7.9-2021.02.16-0](#)
- Oracle Fusion Middleware 12.2.1.3.0 GA

- Oracle Essbase 19.3.0.0.0 GA
- Oracle JDK 8 update 281 Server JRE

Applied patches:

- 28186730 - OPatch 13.9.4.2.4 for FMW/WLS 12.2.1.3.0 and 12.2.1.4.0
- 32300397 - WebLogic Patch Set Update 12.2.1.3.201217
- 31470751 - Coherence 12.2.1.3.12 Cumulative Patch
- 32366874 - ADF Bundle Patch 12.2.1.3.210111
- 30922486 - OPSS Bundle Patch 12.2.1.3.201020
- 29650702 - FMW Platform 12.2.1.3.0 SPU April 2019
- 20623024 - RCU Patch
- 29840258 - RCU Patch for invalid FMWREGISTRY password
- 31544340 - ADR FOR WEBLOGIC SERVER 12.2.1.3.0 JULY CPU 2020 (Patch)
- 31907358 - Essbase Cumulative Bundle Patch 19.3.0.4.5

### Known Issues

The known issues in this version of Oracle Essbase via Marketplace:

- [Backup Scripts Work Only with Autonomous Transaction Processing Database](#)
- [Manual Backup Failed](#)
- [Essbase doesn't Restart after ATP-D Restore](#)

### Patches and Bug Fixes

For patching instructions, see: [Patch and Roll Back](#).

To see defects fixed and known issues in Oracle Essbase via Marketplace, see: <https://support.oracle.com/rs?type=doc&id=2621654.1>.

## Release 19.3.0.5.6 - February 2022

Here's an overview of new features, enhancements, issues, patches, other changes, and version information for this version.

### What's New

New Features and Enhancements:

- Support for Terraform 1.0
- Bastion host options replaced by OCI Bastion Service
- [Oracle Cloud Infrastructure Secrets](#), entered in the Vault interface, are now used instead of key-encrypted values

### Image Details

Software versions:

- [Oracle-Linux-7.9-2021.12.08-0 - Oracle Cloud Infrastructure Image](#)
- Oracle Fusion Middleware 12.2.1.3.0 GA
- Oracle Essbase 19.3.0.0.0 GA

- Oracle JDK 8 update 291 Server JRE

Applied patches:

- 28186730 - OPatch update 13.9.4.2.8 for FMW/WLS 12.2.1.3.0
- 33699205 - WebLogic Patch Set Update 12.2.1.3.210929
- 31544340 - ADR FOR WEBLOGIC SERVER 12.2.1.3.0 JULY CPU 2020 Patch
- 33591009 - Coherence 12.2.1.3 Cumulative Patch 16 (12.2.1.3.16)
- 33313934 - ADF Bundle Patch 12.2.1.3.210903
- 32982708 - FMW Platform 12.2.1.3.0 SPU for APRIL CPU 2021
- 32397127 - OPSS Bundle Patch 12.2.1.3.201420
- 29840258 - RCU Patch for invalid FMWREGISTRY password
- 20623024 - RCU Patch
- 33735326 - Fix for Bug 33735326
- 32734624 - Essbase Release Update 19.3.0.5.6

#### Known Issues

The known issues in this version of Oracle Essbase via Marketplace:

- [Backup Scripts Work Only with Autonomous Transaction Processing Database](#)
- [Manual Backup Failed](#)
- [Essbase doesn't Restart after ATP-D Restore](#)
- [Marketplace Stack Configuration Fails when using ATP-D](#)

#### Patches and Bug Fixes

For patching instructions, see: [Patch and Roll Back](#).

To see defects fixed and known issues in Oracle Essbase via Marketplace, see: <https://support.oracle.com/rs?type=doc&id=2621654.1>.

## Marketplace Stack Configuration Fails when using ATP-D

When you configure a Marketplace stack for Essbase, using Autonomous Transaction Processing - Dedicated (ATP-D), configuration fails.

Known issue scenario is as follows:

1. Configure a Marketplace stack with ATP-D, by selecting ATPD DB in the database section during Essbase configuration.
2. Run the apply job. The job successfully completes.
3. In the background, Essbase configuration starts. Configuration is not able to create schemas on ATPD DB, and as a result, configuration fails.

## Release 19.3.0.6.0 - November 2022

Here's an overview of new features, enhancements, issues, patches, other changes, and version information for this version.

#### What's New



New features, enhancements and changes:

- Support for Terraform 1.0
- Bastion host options replaced by OCI Bastion Service
- [Oracle Cloud Infrastructure Secrets](#), entered in the Vault interface, are used instead of key-encrypted values
- Exadata is no longer supported on OCI Marketplace deployments

### Image Details

Software versions:

- [Oracle-Linux-7.9-2022.08.29-0 - Oracle Cloud Infrastructure Image](#)
- Oracle Fusion Middleware 12.2.1.3.0 GA
- Oracle Essbase 19.3.0.0.0 GA
- Oracle JDK 8 update 291 Server JRE

Applied patches:

- 28186730 - OPatch update 13.9.4.2.10 for FMW/WLS 12.2.1.3.0
- 34697822 - WebLogic Patch Set Update 12.2.1.3.221013
- 33598515 - ADR FOR WEBLOGIC SERVER 12.2.1.3.0
- 34545595 - Coherence 12.2.1.3 Cumulative Patch 19 (12.2.1.3.19)
- 34243945 - ADF Bundle Patch 12.2.1.3.220604
- 32982708 - FMW Platform 12.2.1.3.0 SPU
- 32397127 - OPSS Bundle Patch 12.2.1.3.201420
- 29840258 - RCU Patch for invalid FMWREGISTRY password
- 20623024 - RCU Patch
- 33735326 - log4j Patch Fix for Bug 33735326

### Known Issues

The known issues in this version of Oracle Essbase via Marketplace:

- [Backup Scripts Work Only with Autonomous Transaction Processing Database](#)
- [Manual Backup Failed](#)
- [Essbase doesn't Restart after ATP-D Restore](#)
- [Marketplace Stack Configuration Fails when using ATP-D](#)

### Patches and Bug Fixes

For patching instructions, see: [Patch and Roll Back](#).

To see defects fixed and known issues in Oracle Essbase via Marketplace, see: <https://support.oracle.com/rs?type=doc&id=2621654.1>.

### Deprecation Notes

Measures Dimension (DV) Flattening Selector has been deprecated from the Essbase web interface. Essbase metadata is managed by DV.