# Oracle® Essbase Release Notes for Oracle Essbase





Oracle Essbase Release Notes for Oracle Essbase, Release 21c

F31965-30

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# Contents

# 1 Introduction

# 2 Releases

Independent Deployment	2-1
Release 21.1.0.0.0 - December 2020	2-2
Release 21.2.0.0.0- May 2021	2-2
Release 21.2.1.0.0 - July 2021	2-3
Release 21.2.2.0.0 - October 2021	2-3
Release 21.3.0.0.0 - December 2021	2-3
Release 21.3.1.0.0 - March 2022	2-4
Release 21.3.2.0.0 - April 2022	2-5
Release 21.3.4.0.0 - August 2022 - Independent Deployment	2-5
Release 21.4.0.0.0 - September 2022 - Independent Deployment	2-6
Release 21.4.2.0.0 - December 2022 - Independent Deployment	2-7
Release 21.4.3.0.0 - April 2023 - Independent Deployment	2-8
Release 21.5.0.0.0 - June 2023 - Independent Deployment	2-9
Release 21.5.1.0.0 - July 2023 - Independent Deployment	2-10
Release 21.5.2.0.0 - September 2023 - Independent Deployment	2-11
Release 21.5.3.0.0 - October 2023 - Independent Deployment	2-12
Release 21.5.4.0.0 - December 2023 - Independent Deployment	2-13
Release 21.5.5.0.0 - March 2024 - Independent Deployment	2-14
Release 21.5.6.0.0 - April 2024 - Independent Deployment	2-15
Connectivity May Fail for Load Rule Using Oracle Call Interface (OCI)	2-17
Release 21.6.0.0.0 - August 2024 - Independent Deployment	2-17
Release 21.7.0.0.0 - December 2024 - Independent Deployment	2-19
Stack Deployment on OCI	2-21
Release 21.1.0.0.1 - February 2021	2-21
Backup Scripts Work Only with Autonomous Transaction Processing Database	2-23
Essbase doesn't Restart after ATP-D Restore	2-23
Manual Backup Failed	2-23
Release 21.2.0.0.1 - May 2021	2-24
Opening Rule Editor Failed or Delayed	2-25
Backup of Restored Instance Failed	2-25



Release 21.3.0.0.1 - December 2021	2-26
Release 21.3.0.0.2 - January 2022	2-27
Release 21.3.2.0.1 - April 2022	2-29
Release 21.3.4.0.0 - August 2022 - Marketplace Deployment	2-31
Marketplace Stack Configuration Fails when using ATP-D	2-32
Release 21.4.0.0.1 - September 2022 - Marketplace Deployment	2-32
Stack Destroy Job Failed when Configured with Object Storage	2-35
After Stack Image Update, Essbase Cannot be Accessed	2-35
After Stack Image Update, Cannot Connect to OLAP Server	2-35
Image Update Error Occurred when Backup/Restore Run on Source Instance	2-35
Image Update Stack Destroy Job Failed after Destroy of Source Stack or Image	2-37
Essbase Services Not Using Configured System Limits	2-37
Release 21.4.2.0.1 - February 2023 - Marketplace Deployment	2-37
Backup Scripts Failed for Some Upgraded 19c Instances	2-39
Application Creation and Deployment Failed when Using ATP-D Database	2-39
Release 21.4.3.0.1 - April 2023 - Marketplace Deployment	2-39
Release 21.5.0.0.1 - June 2023 - Marketplace Deployment	2-41
Patching Failed When 21.5 Applied Onto 21.4 or 21.4.3	2-43
Private IP Field Still Displayed After Check Boxes Unselected	2-43
Release 21.5.2.0.1 - September 2023 - Stack Deployment on OCI Marketplace	2-44
Release 21.5.3.0.1 - October 2023 - Stack Deployment on OCI Marketplace	2-46
Redirect URL Not Working After Configuring IDCS Instance With Load Balancer	2-48
Backup Scripts Failed for Some Upgraded 19c Instances from 19.3.0.n.n	2-48
Scripts/Files with Non English Characters Not Migrated	2-48
Backup Scripts Failed on Target Instance Upgraded from 19.3.0.n.n Versions	2-48
Aliases Cannot Be Listed When Trying to Run Ad Hoc Analysis Using SmartView	2-49
Release 21.5.4.0.1 - December 2023 - Stack Deployment on OCI Marketplace	2-49
Backup Scripts Failed on Target Instance Upgraded from 21.1 or 19.3.0.n.n Versions	2-51
Release 21.5.5.0.1 - March 2024 - Stack Deployment on OCI Marketplace	2-52
Connectivity May Fail for Load Rule Using Oracle Call Interface (OCI)	2-54
Release 21.6.0.0.1 - August 2024 - Stack Deployment on OCI Marketplace	2-55
Release 21.7.0.0.1 - December 2024 - Stack Deployment on OCI Marketplace	2-58
Release 21.7.0.0.2 - January 2025 - Stack Deployment on OCI Marketplace	2-61

# 3 History of Removed Features



# Accessibility and Support

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

#### **Access to Oracle Support**

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <a href="http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info">http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info</a> or visit <a href="http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs">http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs</a> if you are hearing impaired.



1

# Introduction

This topic introduces the Release Notes for Oracle Essbase 21c. 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 21c, see https://docs.oracle.com/en/database/other-databases/essbase/21/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.

- · Independent Deployment
- Stack Deployment on OCI

# Independent Deployment

Here are the new features, enhancements, issues, patches, other changes, and version information according to Independent deployment general releases and patches.

```
Release 21.1.0.0.0 - December 2020
Release 21.2.0.0.0- May 2021
Release 21.2.1.0.0 - July 2021
Release 21.2.2.0.0 - October 2021
Release 21.3.0.0.0 - December 2021
Release 21.3.1.0.0 - March 2022
Release 21.3.2.0.0 - April 2022
Release 21.3.4.0.0 - August 2022 - Independent Deployment
Release 21.4.0.0.0 - September 2022 - Independent Deployment
Release 21.4.2.0.0 - December 2022 - Independent Deployment
Release 21.4.3.0.0 - April 2023 - Independent Deployment
Release 21.5.0.0.0 - June 2023 - Independent Deployment
Release 21.5.1.0.0 - July 2023 - Independent Deployment
Release 21.5.2.0.0 - September 2023 - Independent Deployment
Release 21.5.3.0.0 - October 2023 - Independent Deployment
Release 21.5.4.0.0 - December 2023 - Independent Deployment
Release 21.5.5.0.0 - March 2024 - Independent Deployment
Release 21.5.6.0.0 - April 2024 - Independent Deployment
Release 21.6.0.0.0 - August 2024 - Independent Deployment
Release 21.7.0.0.0 - December 2024 - Independent Deployment
```

### Release 21.1.0.0.0 - December 2020

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

#### What's New

For a description of features in this version, and a comparison of this version with Essbase 11g On-Premise see the Oracle Essbase 21c documentation. See Overview of Latest Oracle Essbase Platform section in *Getting Started with Oracle Essbase*, and *Differences Between Essbase 11g and Essbase 21c* section in *Installing Oracle Essbase*.

#### **Version Information**

Applied patches: None, unless otherwise stated in the documentation.

#### Patches, Bug Fixes, and Known Issues

See: Patch and Restore instructions.

To see defects fixed and known issues in Oracle Essbase, see: https://support.oracle.com/rs?type=doc&id=2735146.1.

## Release 21.2.0.0.0- May 2021

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

#### **New Features and Enhancements**

- Improved Rule File Editor features for Dataloads and Dimbuilds
  - Enhanced Preview data capabilities while defining rules files from any source (file, Datasource, or ODBC/OCI)
  - Easy selection of members for mapping source columns to Essbase outline
  - Improved navigation capabilities while defining mappings and properties for each field
- Enhanced Jobs user interface for consistency with Rule File Editor changes consistent experience for Datasource type usage between rule file editor and jobs execution for those rules
- Enhanced Cube Designer features ability to edit and execute calc scripts from structured Excel workbooks

#### **Version Details**

- Patches certified with this release::
  - 28186730 OPatch 13.9.4.2.5 for FMW/WLS 12.2.1.3.0 and 12.2.1.4.0
  - 32253037 WebLogic Patch Set Update 12.2.1.4.201209
  - 31544353 ADR for WebLogic Server 12.2.1.4.0 July CPU 2020
  - 32124456 Coherence 12.2.1.4.7 Cumulative Patch
  - 31676526 RCU Patches for ADB
  - 30540494 RCU Patches for ADB
  - 30754186 RCU Patches for ADB
  - 31666198 OPSS Bundle Patch 12.2.1.4.200724



32357288 - ADF Bundle Patch 12.2.1.4.210107

#### **Patching**

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2735146.1

## Release 21.2.1.0.0 - July 2021

21.2.1.0.0 is a Release Update Revision.

#### **Patching**

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2735146.1

## Release 21.2.2.0.0 - October 2021

21.2.2.0.0 is a Release Update Revision.

#### **Patching**

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2735146.1

## Release 21.3.0.0.0 - December 2021

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

#### **New Features and Enhancements**

- Support for Microsoft Windows installation
- Support for Generic JDBC driver
- Datasource enhancement
  - Support for substitution variables using Runtime parameters
- Drill-through enhancements
  - Ability to define mapping when datasource has runtime parameters
  - Support for level 0 mapping of runtime parameters
  - Support for recursive drill-through with runtime parameters
  - Logs include runtime parameters

See Access External Data with Drill Through Reports

Hybrid Engine enhancements



- Improved storage for aggregate storage dynamic hierarchies
- Member ID enhancements and changes
  - All members now have unique member IDs. In previous releases, shared members and their prototype members had the same member ID.
- Shared member enhancements or changes
  - Zooming out on a shared member now returns the shared parent. In previous releases, it returned the prototype member.

#### **Version Details**

- Patches certified with this release::
  - 33455144 WebLogic Stack Patch Bundle 12.2.1.4.211011
    - \* 28186730 OPatch 13.9.4.2.7 for FMW/WLS 12.2.1.3.0 and 12.2.1.4.0
    - 33416868 WLS Patch Set Update 12.2.1.4.210930
    - \* 33286160 Coherence 12.2.1.4 Cumulative Patch 11 (12.2.1.4.11)
    - 32148640 WebLogic Samples SPU 12.2.1.4.210119
    - 31544353 ADR for WebLogic Server 12.2.1.4.0
    - \* 32772437 FMW platform 12.2.1.4.0 SPU Patch
  - 31676526 RCU Patches for ADB
  - 30540494 RCU Patches for ADB
  - 30754186 RCU Patches for ADB
  - 32784652 OPSS Bundle Patch 12.2.1.4.210418
  - 33313802 ADF Bundle Patch 12.2.1.4.210903
  - 33671996 WebLogic overlay patch for October 2021 PSU for CVE-2021-44228 and CVE-2021-45046

#### **Patching**

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2735146.1

## Release 21.3.1.0.0 - March 2022

21.3.1.0.0 is a Release Update Revision.

#### **Patching**

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2735146.1



## Release 21.3.2.0.0 - April 2022

21.3.2.0.0 is a Release Update Revision.

#### **Patching**

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2735146.1

## Release 21.3.4.0.0 - August 2022 - Independent Deployment

21.3.4.0.0 is a Release Update Revision for this independent deployment version.

#### What's New

For a description of current features, see the Oracle Essbase 21c documentation.

#### **Version Details**

Software versions:

- Oracle Fusion Middleware 12.2.1.4.0 latest version
- Oracle JDK 8 latest version

Patches certified with this release - we strongly recommend that you apply the supported patches listed below:

- 34236279 WLS Patch Set Update 12.2.1.4.220602
- 34248976 Coherence 12.2.1.4 Cumulative Patch 14 (12.2.1.4.14)
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 32622685 OPSS Bundle Patch 12.2.1.4.210311
- 32647448 ADR for Weblogic Server 12.2.1.4.0
- 34247006 ADF Bundle Patch 12.2.1.4.220606
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch

#### **Patching**

Rollback from a patch, to a version that's older than what was used to configure the Essbase instance, is not supported.

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2735146.1



## Release 21.4.0.0.0 - September 2022 - Independent Deployment

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

#### Enhancements and updated / improved features

For recent new features and enhancements, see previous Release Notes. For a description of current features, see the Oracle Essbase 21c documentation.

Independent deployment only

- TLS certificate update tool Simplifies and enhances the process to update TLS certificates, add external certificates, and replace self-signed certificates with CA certificates. Update TLS Certificates, Add External Certificates to Essbase and Replace Self-Signed Certificates with CA Certificates.
- Centralized URL from Smart View to access multiple Essbase instances. See Access Multiple Essbase Servers From Smart View.
- EPM Shared Services option When you configure Essbase on Linux or Windows, you
  can now provide a cluster name that will be used to register Essbase with Shared
  Services. See Manage Multiple Essbase 21c Servers in Shared Services and
  Administration Services for details.

#### All deployments

- Auditing features New audit capabilities allow you to track changes to audit security, artifacts changes, LCM events, and executed MaxL statements (including imports), as well as a change to the audit trail setting. See Audit Security, Artifact Changes, and LCM Events and AUDITTRAIL.
- Optimize cubes using cube designer Enables you to optimize performance and setup
  on aggregate storage cubes, in addition to hybrid cubes. This applies to building and
  loading cubes, calculating and aggregating data, running queries, exporting data, and
  more. See Create Optimized Aggregate Storage Cubes.
- Improved migration and backup of applications CLI and Essbase web interface improvements enable you to back up all applications on the instance to a single zip file, including server artifacts. You can also now selectively export individual cube artifacts. See LcmExport CLI command and Export LCM job.
- Efficient file uploads Multi-part file upload, using the REST API, improves performance of uploads by paralleling them into threads, reducing the need to restart large uploads after network failures. See Create Multipart File Upload.
- Clear data in multiple aggregate storage regions You can now clear multiple regions
  of data from aggregate storage cubes. See Clearing Data from Specific Regions of
  Aggregate Storage Databases.
- MaxL statements display privilege, drop user, and drop group are available again for limited use cases.
- **Drill through report execution in REST API** Enables you to run a drill through report, using REST API. See Execute Drill Through Report.
- Drill through drillable region definition When creating drill through reports, you can
  now define drillable regions by browsing a Drillable Region Selector in the Essbase web
  interface. You browse for a member, select it, and then choose from a menu of options to
  define the region. See Define Drillable Regions for Drill Through Reports.

#### **Version Details**



- Patches certified with this release we strongly recommend that you apply the supported patches listed below:
  - 34236279 WLS Patch Set Update 12.2.1.4.220602
  - 34248976 Coherence 12.2.1.4 Cumulative Patch 14
  - 31676526 RCU Patches for ADB
  - 30540494 RCU Patches for ADB
  - 30754186 RCU Patches for ADB
  - 32647448 ADR for WebLogic Server 12.2.1.4.0
  - 32622685 OPSS Bundle Patch 12.2.1.4.210311
  - 34247006 ADF Bundle Patch 12.2.1.4.220606
  - 33735326 Fix for Bug 33735326, log4j (2.17.1) patch

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?tvpe=doc&id=2814450.1

# Release 21.4.2.0.0 - December 2022 - Independent Deployment

21.4.2.0.0 is a Release Update Revision.

#### **Version Details**

Patches certified with this release - we strongly recommend that you apply the supported patches listed below:

- 34689215 WLS Stack Patch Bundle 12.2.1.4.220711
  - 33639718 ADR for WebLogic Server 12.2.1.4.0 CPU July 2022
  - 34653267 WLS Patch Set Updae 12.2.1.4.220929
  - 34465261 WebLogic Samples SPU 12.2.1.4.221018
  - 34545596 Coherence 12.2.1.4 Cumulative Patch 15 (12.2.1.4.15)
  - 33093748 FMW Platform 12.2.1.4.0 SPU for APRCPU2021
  - 28186730 OPATCH 13.9.4.2.10 for EM 13.4 and FMW/WLS 12.2.1.3.0, 12.2.1.4.0 and 14.1.1.0.0
  - 32720458 JDBC 19.3.0.0 for CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
  - 34546887 RDA release 22.4-20221018 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 34535558 ADF Bundle Patch 12.2.1.4.220825
- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch



See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1

## Release 21.4.3.0.0 - April 2023 - Independent Deployment

21.4.3.0.0 is a Release Update Revision.

#### **Version Details**

Patches certified with this release - it is a pre-requirement that you apply the supported patches listed below:

- 34974729 Oracle WebLogic Server Stack Patch Bundle 12.2.1.4.230112
  - 34958707 WLS Stack Patch Bundle 12.2.1.4.230109 (Patch 34960631)
  - 33639718 ADR for WebLogic Server 12.2.1.4.0 CPU JULY 2022
  - 34974766 WLS Stack Patch Bundle 12.2.1.4.230112 (Patch 34974729) (Interim Patch 34974731)
  - 34856450 WebLogic Samples SPU 12.2.1.4.230117
  - 34845927 Coherence 12.2.1.4 Cumulative Patch 16 (12.2.1.4.16)
  - 33093748 FMW Platform 12.2.1.4.0 SPU for APRCPU2021
  - 28186730 OPATCH 13.9.4.2.11 for EM 13.4 and FMW/WLS 12.2.1.3.0, 12.2.1.4.0 and 14.1.1.0.0
  - 32720458 JDBC 19.3.0.0 for CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
  - 34801809 RDA release 23.1-20230117 for FMW 12.2.1.4.0
  - 34879707 FMW Third-party Bundle Patch 12.2.1.4.221209
- 31676526 RCU Patches for ADB (optional)
- 30540494 RCU Patches for ADB (optional)
- 30754186 RCU Patches for ADB (optional)
- 34944256 ADF Bundle Patch 12.2.1.4.230103
- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch
- 34966497 Essbase Release Update

#### **Patching**

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1



## Release 21.5.0.0.0 - June 2023 - Independent Deployment

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

#### **New Features and Enhancements**

For prior new features and enhancements, see previous Release Notes. For a description of current features, see the Oracle Essbase 21c documentation. Following are the details specific to this release for specific deployment options.

Independent deployment only

Essbase Administration Services Enhancements: It is now possible to change settings
for the management of applications using EAS Lite in Cube Designer. For more details,
see Use Essbase Administration Services Lite.

#### All deployments

#### Audit Trail Support Enhancements

Essbase users can now stream audit information to an external database for connections that are defined on the platform. For more details, see Audit Security, Artifact Changes, and LCM Events.

#### Outline Enhancements

Essbase users can now compare outlines, side-by-side, on a single browser window. You can also copy members and hierarchies from one outline to another, which can be on the same Essbase instance or on a different one. For more details, see Compare Outlines and Copy and Paste Members Within and Between Outlines.

• **Performance Analyzer Enhancements**: You can now indicate the number of files you want to retain. For more details, see About Performance Analyzer.

#### **Version Details**

- 35233446 Oracle WebLogic Server Stack Patch Bundle 12.2.1.4.230329
  - 35233518 WLS Stack Patch Bundle 12.2.1.4.230329 (Patch 35233446) (Interim Patch 35233450)
  - 33639718 ADR for WebLogic Server 12.2.1.4.0 CPU JULY 2022
  - 35226999 WLS Patch Set Update 12.2.1.4.230328
  - 35098700 WebLogic Samples SPU 12.2.1.4.230418
  - 35122398 Coherence 12.2.1.4 Cumulative Patch 17 (12.2.1.4.17)
  - 33093748 FMW Platform 12.2.1.4.0 SPU for APRCPU2021
  - 35162846 FMW Thirdparty Bundle Patch 12.2.1.4.230309
  - 28186730 OPATCH 13.9.4.2.11 for EM 13.4 and FMW/WLS 12.2.1.3.0, 12.2.1.4.0 and 14.1.1.0.0
  - 32944803 JDBC 19.3.0.0 for CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
  - 35035861 RDA release 23.2-20230418 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB (optional)



- 30540494 RCU Patches for ADB (optional)
- 30754186 RCU Patches for ADB (optional)
- 35148842 ADF Bundle Patch 12.2.1.4.230306
- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch
- 34685293 Essbase Release Update

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

## Release 21.5.1.0.0 - July 2023 - Independent Deployment

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

21.5.1.0.0 is a Release Update Revision.

#### What's New

For recent new features and enhancements, see previous Release Notes. For a description of current features, see Oracle Essbase 21c documentation.

#### **Version Details**

- 35233446 Oracle WebLogic Server Stack Patch Bundle 12.2.1.4.230329
  - 35233518 WLS Stack Patch Bundle 12.2.1.4.230329 (Patch 35233446) (Interim Patch 35233450)
  - 33639718 ADR for WebLogic Server 12.2.1.4.0 CPU JULY 2022
  - 35226999 WLS Patch Set Update 12.2.1.4.230328
  - 35098700 WebLogic Samples SPU 12.2.1.4.230418
  - 35122398 Coherence 12.2.1.4 Cumulative Patch 17 (12.2.1.4.17)
  - 33093748 FMW Platform 12.2.1.4.0 SPU for APRCPU2021
  - 35162846 FMW Thirdparty Bundle Patch 12.2.1.4.230309
  - 28186730 OPATCH 13.9.4.2.11 for EM 13.4 and FMW/WLS 12.2.1.3.0, 12.2.1.4.0 and 14.1.1.0.0
  - 32944803 JDBC 19.3.0.0 for CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
  - 35035861 RDA release 23.2-20230418 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB (optional)
- 30540494 RCU Patches for ADB (optional)
- 30754186 RCU Patches for ADB (optional)
- 35148842 ADF Bundle Patch 12.2.1.4.230306



- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch
- 35533818 Release Update Revision: Oracle Essbase 21.5.1.0.0

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

## Release 21.5.2.0.0 - September 2023 - Independent Deployment

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

21.5.2.0.0 is a Release Update Revision.

#### What's New

For recent new features and enhancements, see previous Release Notes. For a description of current features, see Oracle Essbase 21c documentation.

#### **Version Details**

- 35602682 Oracle WebLogic Server Stack Patch Bundle 12.2.1.4.230714
  - 35602718 WLS STACK PATCH BUNDLE 12.2.1.4.230714 (PATCH 35602682) (INTERIM PATCH 35602685)
  - 33639718 ADR FOR WEBLOGIC SERVER 12.2.1.4.0 CPU JUL 2022
  - 35557681 WLS PATCH SET UPDATE 12.2.1.4.230702
  - 35474754 WEBLOGIC SAMPLES SPU 12.2.1.4.230718
  - 35505207 Coherence 12.2.1.4 Cumulative Patch 18 (12.2.1.4.18)
  - 33093748 FMW PLATFORM 12.2.1.4.0 SPU FOR APRCPU2021
  - 35547646 FMW Thirdparty Bundle Patch 12.2.1.4.230628
  - 28186730 OPATCH 13.9.4.2.13 FOR EM 13.4 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0
  - 32720458 JDBC 19.3.0.0 FOR CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
  - 35380810 RDA release 23.3-20230718 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB (optional)
- 30540494 RCU Patches for ADB (optional)
- 30754186 RCU Patches for ADB (optional)
- 35503128 ADF BUNDLE PATCH 12.2.1.4.230615
- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch
- 35600530 Release Update Revision: Oracle Essbase 21.5.2.0.0





Since patch **35602682** is deprecated (unavailable on MOS), the alternative for the same is **35679623**. Please apply the latter.

#### **Patching**

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?tvpe=doc&id=2814450.1.

## Release 21.5.3.0.0 - October 2023 - Independent Deployment

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

21.5.3.0.0 is a Release Update Revision.

#### New Features, Enhancements, and Issues

For recent new features and enhancements, see previous Release Notes. For a description of current features, see Oracle Essbase 21c documentation.

#### **Version Details**

- 35602682 Oracle WebLogic Server Stack Patch Bundle 12.2.1.4.230714
  - 35602718 WLS STACK PATCH BUNDLE 12.2.1.4.230714 (PATCH 35602682) (INTERIM PATCH 35602685)
  - 33639718 ADR FOR WEBLOGIC SERVER 12.2.1.4.0 CPU JUL 2022
  - 35557681 WLS PATCH SET UPDATE 12.2.1.4.230702
  - 35474754 WEBLOGIC SAMPLES SPU 12.2.1.4.230718
  - 35505207 Coherence 12.2.1.4 Cumulative Patch 18 (12.2.1.4.18)
  - 33093748 FMW PLATFORM 12.2.1.4.0 SPU FOR APRCPU2021
  - 35547646 FMW Thirdparty Bundle Patch 12.2.1.4.230628
  - 28186730 OPATCH 13.9.4.2.13 FOR EM 13.4 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0
  - 32720458 JDBC 19.3.0.0 FOR CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
  - 35380810 RDA release 23.3-20230718 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB (optional)
- 30540494 RCU Patches for ADB (optional)
- 30754186 RCU Patches for ADB (optional)
- 35503128 ADF BUNDLE PATCH 12.2.1.4.230615
- 33950717 OPSS Bundle Patch 12.2.1.4.220311



33735326 - Fix for Bug 33735326, log4j (2.17.1) patch



Apply patch 35679623, which is the replacement patch for 35602682, as 35602682 is unavailable on MOS.

#### **Patching**

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

## Release 21.5.4.0.0 - December 2023 - Independent Deployment

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

21.5.4.0.0 is a Release Update Revision.

#### New Features, Enhancements, and Issues

For recent new features and enhancements, see previous Release Notes. For a description of current features, see Oracle Essbase 21c documentation.

#### **Version Details**

- 35899167 -- Oracle WebLogic Server Stack Patch Bundle 12.2.1.4.231011
  - 35899219 -- WLS STACK PATCH BUNDLE 12.2.1.4.231011 (PATCH 35899167) (INTERIM PATCH 35899172)
  - 35476067 -- ADR FOR WEBLOGIC SERVER 12.2.1.4.0 CPU OCT 2023
  - 35893811 -- WLS PATCH SET UPDATE 12.2.1.4.231010
  - 35474754 -- WEBLOGIC SAMPLES SPU 12.2.1.4.230718
  - 35778804 -- Coherence 12.2.1.4 Cumulative Patch 19 (12.2.1.4.19)
  - 33093748 -- FMW PLATFORM 12.2.1.4.0 SPU FOR APRCPU2021
  - 35882299 -- FMW Thirdparty Bundle Patch 12.2.1.4.231006
  - 28186730 -- OPATCH 13.9.4.2.14 FOR EM 13.4 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0
  - 32720458 -- JDBC 19.3.0.0 FOR CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
  - 35671137 -- RDA release 23.4-20231017 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB (optional)
- 30540494 RCU Patches for ADB (optional)
- 30754186 RCU Patches for ADB (optional)
- 35735469 Oracle ADF Bundle Patch 12.2.1.4.230823



- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch
- 35938051 Release Update Revision: Oracle Essbase 21.5.4.0.0

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

## Release 21.5.5.0.0 - March 2024 - Independent Deployment

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

21.5.5.0.0 is a Release Update Revision.

#### New Features, Enhancements, and Issues

For recent new features and enhancements, see previous Release Notes. For a description of current features, see Oracle Essbase 21c documentation.

#### **Version Details**

Patches certified with this release - it is a pre-requirement that you apply the supported patches listed below:

36178496 - WLS STACK PATCH BUNDLE 12.2.1.4.240111

#### Note:

After installing above latest WLS STACK PATCH BUNDLE, check to see whether patch 33735326 was included. If it is not present, it needs to be applied. To check which patches have been applied, navigate to <ORACLE\_HOME>/OPatch, and use the opatch lsinventory command. To check specifically for patch 33735326, you can use grep.

#### For example:

For Linux.

opatch lsinventory | grep 33735326

For Windows,

opatch.bat lsinventory | FINDSTR 33735326

- 36178550 -- WLS STACK PATCH BUNDLE 12.2.1.4.240111 (PATCH 36178496) (INTERIM PATCH 36178498)
- 35965629 -- ADR FOR WEBLOGIC SERVER 12.2.1.4.0 SIZE OPTIMIZED FOR JAN 2024
- 36155700 -- WLS PATCH SET UPDATE 12.2.1.4.240104



- 35474754 -- WEBLOGIC SAMPLES SPU 12.2.1.4.230718
- 36068046 -- Coherence 12.2.1.4 Cumulative Patch 20 (12.2.1.4.20)
- 33093748 -- FMW PLATFORM 12.2.1.4.0 SPU FOR APRCPU2021
- 36086980 -- FMW Thirdparty Bundle Patch 12.2.1.4.231207
- 28186730 -- OPATCH 13.9.4.2.14 FOR EM 13.4 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0
- 32720458 -- JDBC 19.3.0.0 FOR CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
- 35922290 -- RDA release 24.1-20240116 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB (optional)
- 30540494 RCU Patches for ADB (optional)
- 30754186 RCU Patches for ADB (optional)
- 36074941 (ADF BUNDLE PATCH 12.2.1.4.231205)
- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 36054447 Release Update Revision: Oracle Essbase 21.5.5.0.0

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

For defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

## Release 21.5.6.0.0 - April 2024 - Independent Deployment

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

21.5.6.0.0 is a Release Update Revision.

#### New Features, Enhancements, and Issues

For recent new features and enhancements, see previous Release Notes. For a description of current features, see Oracle Essbase 21c documentation.

#### **Version Details**

Patches certified with this release - it is a pre-requirement that you apply the supported patches listed below:

36178496 - WLS STACK PATCH BUNDLE 12.2.1.4.240111



#### Note:

After installing above latest WLS STACK PATCH BUNDLE, check to see whether patch 33735326 was included. If it is not present, it needs to be applied. To check which patches have been applied, navigate to <ORACLE\_HOME>/
OPatch, and use the opatch lsinventory command. To check specifically for patch 33735326, you can use grep.

#### For example:

For Linux,

opatch lsinventory | grep 33735326

For Windows.

opatch.bat lsinventory | FINDSTR 33735326

- 36178550 -- WLS STACK PATCH BUNDLE 12.2.1.4.240111 (PATCH 36178496) (INTERIM PATCH 36178498)
- 35965629 -- ADR FOR WEBLOGIC SERVER 12.2.1.4.0 SIZE OPTIMIZED FOR JAN 2024
- 36155700 -- WLS PATCH SET UPDATE 12.2.1.4.240104
- 35474754 -- WEBLOGIC SAMPLES SPU 12.2.1.4.230718
- 36068046 -- Coherence 12.2.1.4 Cumulative Patch 20 (12.2.1.4.20)
- 33093748 -- FMW PLATFORM 12.2.1.4.0 SPU FOR APRCPU2021
- 36086980 -- FMW Thirdparty Bundle Patch 12.2.1.4.231207
- 28186730 -- OPATCH 13.9.4.2.14 FOR EM 13.4 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0
- 32720458 -- JDBC 19.3.0.0 FOR CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
- 35922290 -- RDA release 24.1-20240116 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB (optional)
- 30540494 RCU Patches for ADB (optional)
- 30754186 RCU Patches for ADB (optional)
- 36074941 (ADF BUNDLE PATCH 12.2.1.4.231205)
- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 36282078 Release Update Revision: Oracle Essbase 21.5.6.0.0

#### **Patching**

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

Connectivity May Fail for Load Rule Using Oracle Call Interface (OCI)

For other defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.



## Connectivity May Fail for Load Rule Using Oracle Call Interface (OCI)

On Windows, previewing data or running a dimension build or data load with a rule file that uses Oracle Call Interface (OCI) connection strings may fail with the following error message:

Attempt to connect to OCI failed. [ORA-12638: Credential retrieval failed].

The cause of this issue is that the version 19c Oracle Database server and the 19c client (in this case the client is where Essbase is installed) has no setting, or has the following setting in sqlnet.ora: SQLNET.AUTHENTICATION SERVICES=(NTS)

The solution is to set SQLNET.AUTHENTICATION\_SERVICES=(NONE) in sqlnet.ora on the computer where Essbase is installed.

- In <Oracle Home>/network/admin, locate sqlnet.ora
- Open the file and add SQLNET.AUTHENTICATION\_SERVICES=(NONE)
- 3. Restart the Essbase application.

#### Note:

If the sqlnet.ora file does not exist, create it by adding a text file with the name sqlnet.ora.

The parameter may be in the square instead of sqlnet.ora. Refer to usage notes in the SQLNET.AUTHENTICATION\_SERVICES documentation for Oracle Database 19c.

## Release 21.6.0.0.0 - August 2024 - Independent Deployment

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

#### New Features, Enhancements, and Issues

For prior new features and enhancements, see previous Release Notes. For a description of current features, see the Oracle Essbase 21c documentation. Following are the details specific to this release for specific deployment options.

All deployments

#### Redwood Web User Interface

You can now try out the new Redwood web user interface by selecting the Redwood option when logging in to Essbase.

The Redwood interface features several enhancements:

- A new Redwood look and feel.
- You work in the context of the application or cube instead of working in the application and cube inspectors.
- Objects such as scripts or the outline are opened in tabs, so you can easily toggle between them.
- Enhanced functionality for adding members, where you can provide, in one dialog, all
  the general properties like storage type, dimension type, solve order, formulas,



- attributes, and UDAs. You can also add the multiple members consecutively using the shortcut 'Ctrl + Enter' or by clicking the Add button without closing the dialog.
- Enhanced search capability, with improved performance and access to the following operations in the Search dialog: Locate, Member inspector, and Hierarchy (Shows the hierarchy of the member in a tree view, where you can locate, launch the member inspector, or add a sibling or a child, if the outline is in Edit mode).

#### MDX Export Enhancements

MDX export allows users to save query results directly to a file. This is useful for handling large queries or for exporting data later to import using a data load.

MDX Export for aggregate storage (ASO) cubes includes the following new feature:

Support for native (block storage) data export format using the **DATAEXPFORMAT** directive.

New features for aggregate storage (ASO) and block storage (BSO) cubes:

- Unique member name support for duplicate member outlines.
- Improved performance and no query limitation of 2<sup>32</sup> cells when you export only level-0 data and use two axes in the SELECT section of the query.

For more information, see MDX Export Specification.

#### **Version Details**

Patches certified with this release - it is a pre-requirement that you apply the supported patches listed below:

36822778 - WLS STACK PATCH BUNDLE 12.2.1.4.240710

#### Note:

After installing above latest WLS STACK PATCH BUNDLE, check to see whether patch 33735326 was included. If it is not present, it needs to be applied. To check which patches have been applied, navigate to <ORACLE\_HOME>/
OPatch, and use the opatch lsinventory command. To check specifically for patch 33735326, you can use grep.

#### For example:

For Linux,

opatch lsinventory | grep 33735326

For Windows,

opatch.bat lsinventory | FINDSTR 33735326

- 36822804 -- WLS STACK PATCH BUNDLE 12.2.1.4.240710 (PATCH 36822778)
   (INTERIM PATCH 36822782)
- 35965629 -- ADR FOR WEBLOGIC SERVER 12.2.1.4.0
- 36805124 -- WLS PATCH SET UPDATE 12.2.1.4.240704
- 36426672 -- WEBLOGIC SAMPLES SPU 12.2.1.4.240416



- 36725924 -- Coherence 12.2.1.4 Cumulative Patch 22 (12.2.1.4.22)
- 33093748 -- FMW PLATFORM 12.2.1.4.0 SPU FOR APRCPU2021
- 36770738 -- FMW Thirdparty Bundle Patch 12.2.1.4.240625
- 28186730 -- OPATCH 13.9.4.2.16 FOR EM 13.4 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0
- 32720458 -- JDBC 19.3.0.0 FOR CPUAPR2022 (WLS 12.2.1.4, WLS 14.1.1)
- 36553894 -- RDA release 24.3-2024716 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB (optional)
- 30540494 RCU Patches for ADB (optional)
- 30754186 RCU Patches for ADB (optional)
- 36700543 Oracle ADF BUNDLE PATCH 12.2.1.4.240605
- 36316422 Oracle OPSS Bundle Patch 12.2.1.4.240220 README
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch
- 35426547 Release Update: Oracle Essbase 21.6.0.0.0

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

Connectivity May Fail for Load Rule Using Oracle Call Interface (OCI)

For other defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

## Release 21.7.0.0.0 - December 2024 - Independent Deployment

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

#### New Features, Enhancements, and Issues

For prior new features and enhancements, see previous Release Notes. For a description of current features, see the Oracle Essbase 21c documentation. Following are the details specific to this release for specific deployment options.

#### All deployments

#### MDX Export Enhancements

MDX export allows users to save query results directly to a file. This is useful for handling large queries or for exporting data later to import using a data load.

New feature for aggregate storage (ASO) and block storage (BSO) cubes:

 Support for decimal precision using the **DECIMAL** directive, where you can specify the number of decimal places in exported numeric data.

For more information, see MDX Export Specification.

#### Calc Tracing for Multiple Users

The SET TRACEID calculation command allows multiple Essbase users to independently trace their calculations using the SET TRACE command in a calculation script.



Each user has their own unique tracing file in the cube directory, ensuring that their results are written to a separate file that will not overwritten by others.

For more information, see SET TRACEID.

#### **Version Details**

Patches certified with this release - it is a pre-requirement that you apply the supported patches listed below:

37150572 - WLS STACK PATCH BUNDLE 12.2.1.4.241008

#### Note:

After installing above latest WLS STACK PATCH BUNDLE, check to see whether patch 33735326 was included. If it is not present, it needs to be applied. To check which patches have been applied, navigate to <ORACLE\_HOME>/
OPatch, and use the opatch lsinventory command. To check specifically for patch 33735326, you can use grep.

#### For example:

For Linux,

opatch lsinventory | grep 33735326

For Windows,

opatch.bat lsinventory | FINDSTR 33735326

- 37150600 -- WLS STACK PATCH BUNDLE 12.2.1.4.241008 (PATCH 37150572)
   (INTERIM PATCH 37150574)
- 35965629 -- ADR FOR WEBLOGIC SERVER 12.2.1.4.0 SIZE OPTIMIZED FOR JAN 2024
- 37087476 -- WLS PATCH SET UPDATE 12.2.1.4.240922
- 36426672 -- WEBLOGIC SAMPLES SPU 12.2.1.4.240416
- 37049907 -- Coherence 12.2.1.4 Cumulative Patch 23 (12.2.1.4.23)
- 36789759 -- FMW PLATFORM BUNDLE PATCH 12.2.1.4.240812
- 37103277 -- FMW Thirdparty Bundle Patch 12.2.1.4.240925
- 28186730 -- OPATCH 13.9.4.2.17 FOR EM 13.4 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0
- 36926636 -- JDBC 19.24.0.0 FOR CPUOCT2024 (WLS 12.2.1.4, WLS 14.1.1)
- 36851321 -- RDA release 24.4-20241015 for FMW 12.2.1.4.0
- 37096063 -- OSS 19C BUNDLE PATCH 12.2.1.4.241001
- 37056593 -- OCT 2024 CLONING SPU FOR FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB (optional)
- 30540494 RCU Patches for ADB (optional)
- 30754186 RCU Patches for ADB (optional)



- 37028738- Oracle ADF BUNDLE PATCH 12.2.1.4.240905
- 36316422 Oracle OPSS Bundle Patch 12.2.1.4.240220 README
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch
- 36675325 Release Update: Oracle Essbase 21.7.0.0.0

See Patch and Restore for patching instructions.

#### **Bug Fixes and Known Issues**

Connectivity May Fail for Load Rule Using Oracle Call Interface (OCI)

For other defects fixed and known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

# Stack Deployment on OCI

Here are the new features, enhancements, issues, patches, other changes, and version information according to Stack deployment on OCI general releases and patches.

```
Release 21.1.0.0.1 - February 2020
Release 21.2.0.0.1 - May 2021
Release 21.3.0.0.1 - December 2021
Release 21.3.0.0.2 - January 2022
Release 21.3.2.0.1 - April 2022
Release 21.3.4.0.0 - August 2022 - Marketplace Deployment
Release 21.4.0.0.1 - September 2022 - Marketplace Deployment
Release 21.4.2.0.1 - February 2023 - Marketplace Deployment
Release 21.4.3.0.1 - April 2023 - Marketplace Deployment
Release 21.5.0.0.1 - June 2023 - Marketplace Deployment
Release 21.5.2.0.1 - September 2023 - Stack Deployment on OCI Marketplace
Release 21.5.3.0.1 - October 2023 - Stack Deployment on OCI Marketplace
Release 21.5.4.0.1 - December 2023 - Stack Deployment on OCI Marketplace
Release 21.5.5.0.1 - March 2024 - Stack Deployment on OCI Marketplace
Release 21.6.0.0.1 - August 2024 - Stack Deployment on OCI Marketplace
Release 21.7.0.0.1 - December 2024 - Stack Deployment on OCI Marketplace
Release 21.7.0.0.2 - January 2025 - Stack Deployment on OCI Marketplace
```

## Release 21.1.0.0.1 - February 2021

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

**New Features and Enhancements** 

- Oracle Cloud Infrastructure secrets, entered in the Vault interface, are now used instead
  of key-encrypted values.
- Flexible shapes support for Essbase compute, allows you to customize the number of OCPUs when launching or resizing your VM.
- Shadow Cubes using REST APIs is a new feature in 21c. A shadow application enables
  you to perform cube modifications and outline restructure on the shadow application, while
  the primary application serves read-only operations, such as queries. See Create Shadow
  Application, Delete Shadow Application, and Promote Shadow Application, in REST API
  for Oracle Essbase documentation.
- Outline enhancements:
  - Verify Outline allows you to quickly identify problems with the outline and to easily navigate to a member that has a problem.
  - Resize columns feature enables you to resize property columns.
  - Display selected columns in the table gives you a more EAS look and feel, with additional properties, such as alias names and consolidations. See Select the Member Properties to Display in the Outline.
- Web interface enhancements:
  - Execute Calc scripts and Report scripts during design you can now execute calc scripts while designing / writing calc scripts. You no longer have to go to the Jobs tab to execute calc scripts. See Execute Calculations.
  - Load multiple data files in a single data load job allows you to select multiple files, from the catalog, to load in a single job. See Load Data.
  - Use Outline member selector while defining partitions, while defining partitions, enables you to now navigate the Outline.
- Cube Designer enhancements:
  - Block Storage Optimization Utility enables optimization of block storage cube while using the Cube Designer, and improves overall performance of Essbase applications. See Optimize Cubes Using Cube Designer.

#### **Image Details**

#### Software versions:

- Oracle Linux 7.9-2021.01.12-0
- Oracle Fusion Middleware 12.2.1.4.0 GA
- Oracle Essbase 21.1.0.0.0 GA
- Oracle JDK 8 update 281 Server JRE

Applied patches: listed below and as noted in the documentation.

- 28186730 OPatch 13.9.4.2.5 for FMW/WLS 12.2.1.3.0 and 12.2.1.4.0
- 32253037 WebLogic Patch Set Update 12.2.1.4.201209
- 31544353 ADR for WebLogic Server 12.2.1.4.0 July CPU 2020
- 32124456 Coherence 12.2.1.4.7 Cumulative Patch
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB



- 31666198 OPSS Bundle Patch 12.2.1.4.200724
- 32264996 ADF Bundle Patch 12.2.1.4.201211
- 32341909 Essbase Release Set Update 21.1.1.0.0

#### **Patches**

See Patch and Roll Back instructions.

#### **Bug Fixes and Known Issues**

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

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

To see defects fixed and other known issues in Oracle Essbase, see: https://support.oracle.com/rs?type=doc&id=2735146.1.

## 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.

#### 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

## 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.



## Release 21.2.0.0.1 - May 2021

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

#### **New Features and Enhancements**

- Improved Rule File Editor features for Dataloads and Dimbuilds
  - Enhanced Preview data capabilities while defining rules files from any source (file, Datasource, or ODBC/OCI)
  - Easy selection of members for mapping source columns to Essbase outline
  - Improved navigation capabilities while defining mappings and properties for each field
- Enhanced Jobs user interface for consistency with Rule File Editor changes consistent experience for Datasource type usage between rule file editor and jobs execution for those rules
- Enhanced Cube Designer features ability to edit and execute calc scripts from structured Excel workbooks
- Integrate Essbase with Autonomous Database Using Federated Partitions- enables you to integrate Essbase cubes with Autonomous Data Warehouse zero-footprint integration with Autonomous Database.
- Backup and restore documentation for performing backup and restore on OCI Marketplace 21c deployment

#### **Version Details**

- Software versions:
  - Oracle-Linux-7.9-2021.04.09-0
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA
  - Oracle JDK 8 update 291 Server JRE
- Applied patches listed below and as noted in the documentation:
  - 28186730 OPatch 13.9.4.2.5 for FMW/WLS 12.2.1.3.0 and 12.2.1.4.0
  - 32253037 WebLogic Patch Set Update 12.2.1.4.201209
  - 31544353 ADR for WebLogic Server 12.2.1.4.0 July CPU 2020
  - 32124456 Coherence 12.2.1.4.7 Cumulative Patch
  - 31676526 RCU Patches for ADB
  - 30540494 RCU Patches for ADB
  - 30754186 RCU Patches for ADB
  - 31666198 OPSS Bundle Patch 12.2.1.4.200724
  - 32357288 ADF Bundle Patch 12.2.1.4.210107
  - 31949360 Essbase Release Set Update 21.2.0.0.0

#### **Patching**

See Patch and Roll Back for patching instructions.



#### **Bug Fixes and Known Issues**

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

- Backup Scripts Work Only with Autonomous Transaction Processing Database
- Essbase doesn't Restart after ATP-D Restore
- Manual Backup Failed
- Opening Rule Editor Failed or Delayed
- · Backup of Restored Instance Failed

For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2735146.1.

## Opening Rule Editor Failed or Delayed

In some instances of opening Rule Editor, while using a VPN connection, it could take a while or cause the action to hang.

Workaround: Disconnect VPN or go to Bastion host, and then open Rule Editor.

## Backup of Restored Instance Failed

In some instances, running a backup of a restored instance failed.

Workaround:



These steps are used when running an incremental backup (of a restore instance) using run-backup.sh script. The workaround steps are not required if the backup was initially run manually using expdp command.

- Go to the OCI console and get attached data block volume OCID.
- 2. ssh to Essbase VM and change user to oracle.
- 3. Edit the following:

```
/u01/vmtools/scripts/essbase/environ.py
```

4. Replace the code:

```
def get_data_volume_id(self):
    return self._instance_metadata["metadata"]["volumes"]["data"]["id"]
    with the following:
    def get_data_volume_id(self):
    return "OCID from step one"
```



5. Run run-backup.sh script.

## Release 21.3.0.0.1 - December 2021

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

#### **New Features and Enhancements**

- Support for Terraform script 1.0
- Bastion options replaced by OCI Service
- Support for Generic JDBC driver
- Datasource enhancement
  - Support for parameterized queries, enabling use of Essbase substitution variables

See: Work with Sources

- Drill-through enhancements
  - Ability to define mapping when datasource has runtime parameters
  - Support for level 0 mapping of runtime parameters
  - Support for recursive drill-through with runtime parameters
  - Logs include runtime parameters

See Access External Data with Drill Through Reports

- Hybrid Engine enhancements
  - Improved storage for aggregate storage dynamic hierarchies
- Member ID enhancements and changes
  - All members now have unique member IDs. In previous releases, shared members and their prototype members had the same member ID.
- Shared member enhancements or changes
  - Zooming out on a shared member now returns the shared parent. In previous releases, it returned the prototype member.

#### **Version Details**

- Software versions:
  - Oracle-Linux-7.9-2021.08.27-0
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA
  - Oracle JDK 8 update 291 Server JRE
- Applied patches listed below and as noted in the documentation:



Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusion Middleware, can be downloaded and applied manually. These patches are included in the latest listings.



- 33455144 WebLogic Stack Patch Bundle 12.2.1.4.211011
  - \* 28186730 OPatch 13.9.4.2.7 for FMW/WLS 12.2.1.3.0 and 12.2.1.4.0
  - 33416868 WLS Patch Set Update 12.2.1.4.210930
  - \* 33286160 Coherence 12.2.1.4 Cumulative Patch 11 (12.2.1.4.11)
  - \* 32148640 WebLogic Samples SPU 12.2.1.4.210119
  - 31544353 ADR for WebLogic Server 12.2.1.4.0
  - \* 32772437 FMW platform 12.2.1.4.0 SPU Patch
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 32784652 OPSS Bundle Patch 12.2.1.4.210418
- 33313802 ADF Bundle Patch 12.2.1.4.210903
- 32646479 Essbase Release Update 21.3.0.0.0
- 33671996 WebLogic overlay patch for October 2021 PSU for CVE-2021-44228 and CVE-2021-45046

See Patch and Roll Back for patching instructions.

#### **Bug Fixes and 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
- Opening Rule Editor Failed or Delayed
- Backup of Restored Instance Failed

For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2735146.1.

## Release 21.3.0.0.2 - January 2022

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

#### **New Features and Enhancements**

- Support for Terraform script 1.0
- Bastion options replaced by OCI Service
- Support for Generic JDBC driver
- Datasource enhancement
  - Support for parameterized queries, enabling use of Essbase substitution variables

See: Work with Sources

- Drill-through enhancements
  - Ability to define mapping when datasource has runtime parameters



- Support for level 0 mapping of runtime parameters
- Support for recursive drill-through with runtime parameters
- Logs include runtime parameters

See Access External Data with Drill Through Reports

- Hybrid Engine enhancements
  - Improved storage for aggregate storage dynamic hierarchies
- Member ID enhancements and changes
  - All members now have unique member IDs. In previous releases, shared members and their prototype members had the same member ID.
- Shared member enhancements or changes
  - Zooming out on a shared member now returns the shared parent. In previous releases, it returned the prototype member.

#### **Version Details**

- Software versions:
  - Oracle-Linux-7.9-2021.08.27-0
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA
  - Oracle JDK 8 update 291 Server JRE
- Applied patches listed below and as noted in the documentation:

#### Note:

Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusion Middleware, can be downloaded and applied manually. These patches are included in the latest listings.

- 33455144 WebLogic Stack Patch Bundle 12.2.1.4.211011
  - 28186730 OPatch 13.9.4.2.7 for FMW/WLS 12.2.1.3.0 and 12.2.1.4.0
  - \* 33416868 WLS Patch Set Update 12.2.1.4.210930
  - \* 33286160 Coherence 12.2.1.4 Cumulative Patch 11 (12.2.1.4.11)
  - 32148640 WebLogic Samples SPU 12.2.1.4.210119
  - \* 31544353 ADR for WebLogic Server 12.2.1.4.0
  - \* 32772437 FMW platform 12.2.1.4.0 SPU Patch
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 32784652 OPSS Bundle Patch 12.2.1.4.210418
- 33313802 ADF Bundle Patch 12.2.1.4.210903
- 32646479 Essbase Release Update 21.3.0.0.0



 33671996 - WebLogic overlay patch for October 2021 PSU for CVE-2021-44228 and CVE-2021-45046

#### **Patching**

See Patch and Roll Back for patching instructions.

#### **Bug Fixes and 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
- Opening Rule Editor Failed or Delayed
- Backup of Restored Instance Failed

For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2735146.1.

## Release 21.3.2.0.1 - April 2022

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

#### **New Features and Enhancements**

- Support for Terraform script 1.0
- Bastion options replaced by OCI Service
- Support for Generic JDBC driver
- Datasource enhancement
  - Support for parameterized queries, enabling use of Essbase substitution variables

See: Work with Sources

- Drill-through enhancements
  - Ability to define mapping when datasource has runtime parameters
  - Support for level 0 mapping of runtime parameters
  - Support for recursive drill-through with runtime parameters
  - Logs include runtime parameters

See Access External Data with Drill Through Reports

- Hybrid Engine enhancements
  - Improved storage for aggregate storage dynamic hierarchies
- Member ID enhancements and changes
  - All members now have unique member IDs. In previous releases, shared members and their prototype members had the same member ID.
- Shared member enhancements or changes
  - Zooming out on a shared member now returns the shared parent. In previous releases, it returned the prototype member.

#### **Version Details**



- Software versions:
  - Oracle-Linux-7.9-2022.02.25-0
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA
  - Oracle JDK 8 update 291 Server JRE
- Applied patches listed below and as noted in the documentation:

#### Note:

Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusion Middleware, can be downloaded and applied manually. These patches are included in the latest listings.

- 33751264 WLS Stack Patch Bundle 12.2.1.4.220112
  - \* 32647448 Tracking Bug: Bug 31544353 ADR for WebLogic Server12.2.1.4.0 July CPU 2020 for WebLogic Server SPB
  - \* 33727616 WLS Patch Set Update 12.2.1.4.220105
  - \* 33539252 WebLogic Samples SPU 12.2.1.4.220118
  - \* 33591019 Coherence 12.2.1.4 Cumulative Patch 12 (12.2.1.4.12)
  - 33093748 FMW Platform 12.2.1.4.0 SPU for APRCPU2021
  - \* 28186730 OPatch 13.9.4.2.8 for EM 13.4 and FMW/WLS 12.2.1.3.0, 12.2.1.4.0 and 14.1.1.0.0
  - \* 32720458 JDBC 19.3.0.0 for CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
  - \* 33678607 RDAOFM (OPatch) 20.4.07.01.22 for FMW 12.2.1.3, 12.2.1.4, 14.1.1
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 32784652 OPSS Bundle Patch 12.2.1.4.210418
- 33313802 ADF Bundle Patch 12.2.1.4.210903
- 33925737 Release Update Revision: Oracle Essbase 21.3.2.0.0
- 33735326 Fix for Bug 33735326

#### **Patching**

See Patch and Roll Back for patching instructions.

#### **Bug Fixes and 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
- · Opening Rule Editor Failed or Delayed
- Backup of Restored Instance Failed



For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2735146.1.

# Release 21.3.4.0.0 - August 2022 - Marketplace Deployment

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

# **New Features and Enhancements**

For recent new features and enhancements, see previous Release Notes. For a description of current features, see the Oracle Essbase 21c documentation.

#### **Version Details**

- Software versions:
  - Oracle-Linux-7.9-2022.06.30-0
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA
  - Oracle JDK 8 update 291 Server JRE
- Patches certified with this release listed below and as noted in the documentation:

# Note:

Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusio n Middleware, can be downloaded and applied manually. These patches are included in the latest listings.

- 34373563:WLS Stack Patch Bundle 12.2.1.4.220711
  - 33639718 ADR for WebLogic Server 12.2.1.4.0 CPU July 2022
  - 34236279 WLS Patch Set Update 12.2.1.4.220602
  - 34160496 WebLogic Samples SPU 12.2.1.4.220719
  - \* 34248976 Coherence 12.2.1.4 Cumulative Patch 14 (12.2.1.4.14)
  - \* 33093748 FMW Platform 12.2.1.4.0 SPU for APRCPU2021
  - \* 28186730 OPatch 13.9.4.2.8 for EM 13.4 and FMW/WLS 12.2.1.3.0, 12.2.1.4.0 and 14.1.1.0.0
  - \* 32720458 JDBC 19.3.0.0 for CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
  - 34212770 RDA 22.3-20220719 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 32784652 OPSS Bundle Patch 12.2.1.4.210418
- 34247006 ADF Bundle Patch 12.2.1.4.220606
- 34191586 Release Update Revision: Oracle Essbase 21.3.4.0.0
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch



#### **Patching**

Rollback from a patch, to a version that's older than what was used to configure the Essbase instance, is not supported.

See Patch and Roll Back for patching instructions.

#### **Bug Fixes and 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
- Opening Rule Editor Failed or Delayed
- Backup of Restored Instance Failed
- Marketplace Stack Configuration Fails when using ATP-D
- The following options appear in OCI Console that are not supported in Essbase deployments and should not be used.
  - Edit Stack button has a drop-down option to edit the Terraform configuration zip file in a code-based editor.
  - Use Custom Terraform Providers checkbox option appears, with an option to select an Object Storage bucket.

For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2735146.1.

# **Deprecation Notes**

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

# 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:

- 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 21.4.0.0.1 - September 2022 - Marketplace Deployment

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

## Enhancements and updated / improved features

For recent new features and enhancements, see previous Release Notes. For a description of current features, see the Oracle Essbase 21c documentation.

Marketplace deployment only



- Update Essbase stack image process Allows you to patch or upgrade existing Essbase
   OCI deployments to the latest version without having to run the manual patches or deploy
   new stack images that require migrating of applications. See Create Stack Image and
   Update Stack Image.
- Deploy Autonomous Database with private endpoint Supports deploying Essbase
  with repository as Autonomous Transaction Processing in a private endpoint that has a
  private IP, and allows you to secure the user metadata repository.
- Catalog storage in object storage You can now choose to deploy Essbase catalog on OCI object storage.
- OCI support for government customers Essbase on Oracle Cloud Marketplace is now available for U.S. government customers, empowering agencies to automate deployment of certified solutions directly on Oracle Cloud Infrastructure (OCI).

# All deployments

- Auditing features New audit capabilities allow you to track changes to audit security, artifacts changes, LCM events, and executed MaxL statements (including imports), as well as a change to the audit trail setting. See Audit Security, Artifact Changes, and LCM Events and AUDITTRAIL.
- Optimize cubes using cube designer Enables you to optimize performance and setup on aggregate storage cubes, in addition to hybrid cubes. This applies to building and loading cubes, calculating and aggregating data, running queries, exporting data, and more. See Create Optimized Aggregate Storage Cubes.
- Improved migration and backup of applications CLI and Essbase web interface improvements enable you to back up all applications on the instance to a single zip file, including server artifacts. You can also now selectively export individual cube artifacts. See LcmExport CLI command and Export LCM job.
- Efficient file uploads Multi-part file upload, using the REST API, improves performance
  of uploads by paralleling them into threads, reducing the need to restart large uploads after
  network failures. See Create Multipart File Upload.
- Clear data in multiple aggregate storage regions You can now clear multiple regions
  of data from aggregate storage cubes. See Clearing Data from Specific Regions of
  Aggregate Storage Databases.
- MaxL statements display privilege, drop user, and drop group are available again for limited use cases.
- **Drill through report execution in REST API** Enables you to run a drill through report, using REST API. See Execute Drill Through Report.
- **Drill through region selection** When creating drill through reports, you can now define drillable regions by browsing a Drillable Region Selector in the Essbase web interface. You browse for a member, select it, and then choose from a menu of options to define the region. See Define Drillable Regions for Drill Through Reports.

#### **Version Details**

- Software versions:
  - Oracle-Linux-7.9-2022.08.08-0
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA
  - Oracle JDK 8 update 291 Server JRE
- Applied patches listed below and as noted in the documentation:



# Note:

Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusion Middleware, can be downloaded and applied manually. These patches are included in the latest listings.

- 34373563 WLS Stack Patch Bundle 12.2.1.4.220711
  - \* 33639718 ADR for WebLogic Server 12.2.1.4.0 CPU July 2022
  - 34236279 WLS Patch Set Update 12.2.1.4.220602
  - \* 34248976 Coherence 12.2.1.4 Cumulative Patch 14 (12.2.1.4.14)
  - \* 33093748 FMW Platform 12.2.1.4.0 SPU for APRCPU2021
  - \* 28186730 OPatch 13.9.4.2.8 for EM 13.4 and FMW/WLS 12.2.1.3.0, 12.2.1.4.0 and 14.1.1.0.0
  - \* 32720458 JDBC 19.3.0.0 for CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
  - \* 34212770 RDA 22.3-20220719 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 34247006 ADF Bundle Patch 12.2.1.4.220606
- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch

# **Patching**

See Patch and Roll Back for patching instructions.

# **Bug Fixes and 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
- Opening Rule Editor Failed or Delayed
- Backup Scripts Work Only with Autonomous Transaction Processing Database
- Manual Backup Failed
- Opening Rule Editor Failed or Delayed
- Backup of Restored Instance Failed
- Stack Destroy Job Failed when Configured with Object Storage
- After Stack Image Update, Essbase Cannot be Accessed
- After Stack Image Update, Cannot Connect to OLAP Server
- Image Update Error Occurred when Backup/Restore Run on Source Instance
- Image Update Stack Destroy Job Failed after Destroy of Source Stack or Image
- Essbase Services Not Using Configured System Limits



For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

# **Deprecation Notes**

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

# Stack Destroy Job Failed when Configured with Object Storage

Sometimes, Essbase stack job may fail when the stack was configured with Object storage.

Workaround:

Go to the buckets and clear up the object storage bucket mentioned in the error. It is recommended to first take a backup of the data if the data inside the bucket is required.

Storage > Object Storage & Archive Storage > Buckets > select the bucket mentioned in the Destroy job logs.

# After Stack Image Update, Essbase Cannot be Accessed

Sometimes, after performing an Essbase stack image update from 21.3 to 21.4, an error such as *NETWORK ERROR* [10061]: FAILED TO CONNECT TO [ESSBASEXXXXX-X:1423] might be displayed, and Essbase web interface cannot be accessed after configuration.

Workaround: This error can be resolved by restarting the servers.

# After Stack Image Update, Cannot Connect to OLAP Server

Sometimes, after performing Essbase stack image update from 21.3 to 21.4, during login to an instance, the following error might occur: Cannot connect to olap service. Failure while getting the active Essbase node for cluster [%s]. Runtime Provider Services Error: [%s].

Workaround: Restart the managed server.

# Image Update Error Occurred when Backup/Restore Run on Source Instance

After Backup/Restore was run from 21.3 to 21.4, Image Update may not work if the volumes are not named according to the original deployment naming conventions.

Workaround: Rename the attached volumes before running Image Update.



Ensure that you have policy to manage instance-family, to attach block volumes to the compute instance. For example:

allow dynamic-group marketplace-test-dynamic-group to manage instance-family in compartment test



Stop Essbase instance.

/u01/config/domains/essbase domain/esstools/bin/stop.sh

2. Unmount data volume.

```
sudo umount /u01/data
```

- 3. Detach the data volume (on OCI console page).
- 4. Rename the data volume as tag-data-volume on OCI console page, where tag is a user-chosen name given at the time of the initial deployment.
- 5. Reattach the data volume using the following OCI CLI command (as opc user):
  - for 19.3.6.0, or 21.3 and higher:

```
oci compute volume-attachment attach-iscsi-volume --instance-id $instanceid --volume-id $datavolumeid --display-name data-volume --auth instance principal
```

for 19.3.0.3.4 or 19.3.0.4.5

```
oci compute volume-attachment attach-iscsi-volume --instance-id $instanceid --volume-id $datavolumeid --display-name data-volume-attachment --auth instance principal
```

for 19.3.0.2.3 or 19.3.0.0.2

```
oci compute volume-attachment attach-iscsi-volume --instance-id $instanceid --volume-id $datavolumeid --display-name tag-data-volume-1-attachment --auth instance principal
```

where instanceid is the OCID of the compute instance and datavolumeid is the OCID of the data volume.

- Use the iSCSI commands listed in the OCI console to connect your newly attached target block volumes.
- 7. Mount the data volume.

```
sudo mount -a
```

8. Start the Essbase instance. Note that this step is not necessary, but it validates that the process is working.

```
/u01/config/domains/essbase domain/esstools/bin/start.sh
```

9. Perform Image Update to Essbase 21.4.



# Image Update Stack Destroy Job Failed after Destroy of Source Stack or Image

When trying to destroy 21.4 image updated stack, after source 21.3 stack or instance was destroyed, the job fails.

Workaround: Manually delete stack resources (including database, VCN, node, and others) of the 21.4 image updated stack.

# **Essbase Services Not Using Configured System Limits**

Sometimes, Essbase services are not using configured system limits.

Workaround: Access the file sudo vi /etc/systemd/service/essbase\_domain-nodemanager.service and edit it as follows:

1. Add the following lines to the [Service] section of the file:

```
LimitNPROC=32768
LimitCORE=infinity
LimitDATA=infinity
LimitAS=infinity
LimitNOFILE=16384:65536
```

- You must restart the processes as follows:
  - a. Stop the instance:

```
$DOMAIN HOME/esstools/bin/stop.sh
```

where \$DOMAIN HOME is pointing to /u01/config/domains/essbase domain/.

b. Restart node manager service:

```
sudo systemctl restart essbase domain-nodemanager
```

c. Start the domain:

```
$DOMAIN HOME/esstools/bin/start.sh
```

# Release 21.4.2.0.1 - February 2023 - Marketplace Deployment

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

# Enhancements and updated / improved features

- Support added for upgrade from 19.3.0.3.4 or 19.3.0.4.5.
- For other recent new features and enhancements, see previous Release Notes. For a description of current features, see the Oracle Essbase 21c documentation.

#### **Version Details**

- Software versions:
  - Oracle-Linux-7.9-2022.12.15-0



- Oracle Fusion Middleware 12.2.1.4.0 GA
- Oracle Essbase 21.1.0.0.0 GA
- Oracle JDK 8 update 291 Server JRE
- Applied patches listed below and as noted in the documentation:

# Note:

Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusion Middleware, can be downloaded and applied manually. These patches are included in the latest listings.

- 34974729 Oracle WebLogic Server Stack Patch Bundle 12.2.1.4.230112
  - \* 34958707 WLS Stack Patch Bundle 12.2.1.4.230109 (Patch 34960631)
  - \* 33639718 ADR for WebLogic Server 12.2.1.4.0 CPU JUL 2022
  - \* 34974766 WLS Stack Patch Bundle12.2.1.4.230112 (Patch 34974729) (Interim Patch 34974731)
  - \* 34856450 WebLogic Samples SPU 12.2.1.4.230117
  - \* 34845927 Coherence 12.2.1.4 Cumulative Patch 16 (12.2.1.4.16)
  - \* 33093748 FMW Platform 12.2.1.4.0 SPU for APRCPU2021
  - \* 28186730 OPatch 13.9.4.2.11 for EM 13.4 and FMW/WLS 12.2.1.3.0, 12.2.1.4.0 and 14.1.1.0.0
  - \* 32720458 JDBC 19.3.0.0 for CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
  - 34801809 RDA release 23.1-20230117 for FMW 12.2.1.4.0
  - \* 34879707 FMW third-party Bundle Patch 12.2.1.4.221209
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 34944256 ADF Bundle Patch 12.2.1.4.230103
- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch

# **Patching**

See Patch and Roll Back for patching instructions.

## **Bug Fixes and 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
- Opening Rule Editor Failed or Delayed
- · Backup of Restored Instance Failed
- Stack Destroy Job Failed when Configured with Object Storage



- After Stack Image Update, Essbase Cannot be Accessed
- After Stack Image Update, Cannot Connect to OLAP Server
- Image Update Error Occurred when Backup/Restore Run on Source Instance
- Image Update Stack Destroy Job Failed after Destroy of Source Stack or Image
- Essbase Services Not Using Configured System Limits
- Backup Scripts Failed for Some Upgraded 19c Instances
- Application Creation and Deployment Failed when Using ATP-D Database

For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

# **Deprecation Notes**

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

# Backup Scripts Failed for Some Upgraded 19c Instances

Backup scripts failed on 21.4.2 instances that were created using an upgrade from 19.3.0.3.4 or 19.3.0.4.5 source instances.

Workaround: Use Non-Oracle-Scripted Backup and Restore.

# Application Creation and Deployment Failed when Using ATP-D Database

For Essbase on OCI instances using ATP-D Database, Essbase Application creation and deployment failed.

Known Issue scenario is as follows:

- Configure a Marketplace stack using ATP-D Database.
- 2. After successful configuration, log into an instance in Essbase web interface.
- 3. Application creation and deployment failed.

# Release 21.4.3.0.1 - April 2023 - Marketplace Deployment

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

# Enhancements and updated / improved features

For recent new features and enhancements, see previous Release Notes. For a description of current features, see the Oracle Essbase 21c documentation.

#### **Version Details**

- Software versions:
  - Oracle-Linux-7.9-2023.01.31-2
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA
  - Oracle JDK 8 update 291 Server JRE



Applied patches - listed below and as noted in the documentation:

# Note:

Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusion Middleware, can be downloaded and applied manually. These patches are included in the latest listings.

- 34974729 Oracle WebLogic Server Stack Patch Bundle 12.2.1.4.230112
  - \* 34958707 WLS Stack Patch Bundle 12.2.1.4.230109 (Patch 34960631)
  - \* 33639718 ADR for WebLogic Server 12.2.1.4.0 CPU JULY 2022
  - \* 34974766 WLS Stack Patch Bundle 12.2.1.4.230112 (Patch 34974729) (Interim Patch 34974731)
  - \* 34856450 WebLogic Samples SPU 12.2.1.4.230117
  - \* 34845927 Coherence 12.2.1.4 Cumulative Patch 16 (12.2.1.4.16)
  - \* 33093748 FMW Platform 12.2.1.4.0 SPU for APRCPU2021
  - \* 28186730 OPATCH 13.9.4.2.11 for EM 13.4 and FMW/WLS 12.2.1.3.0, 12.2.1.4.0 and 14.1.1.0.0
  - \* 32720458 JDBC 19.3.0.0 for CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
  - \* 34801809 RDA release 23.1-20230117 for FMW 12.2.1.4.0
  - \* 34879707 FMW Third-party Bundle Patch 12.2.1.4.221209
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 34944256 ADF Bundle Patch 12.2.1.4.230103
- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch
- 34966497 Essbase Release Update

#### **Patching**

See Patch and Roll Back for patching instructions.

#### **Bug Fixes and Known Issues**

The following are the new or continuing known issues in this version of Oracle Essbase via Marketplace:

- Backup Scripts Work Only with Autonomous Transaction Processing Database
- Manual Backup Failed
- Opening Rule Editor Failed or Delayed
- Backup of Restored Instance Failed
- Stack Destroy Job Failed when Configured with Object Storage
- After Stack Image Update, Essbase Cannot be Accessed
- After Stack Image Update, Cannot Connect to OLAP Server



- Image Update Error Occurred when Backup/Restore Run on Source Instance
- Image Update Stack Destroy Job Failed after Destroy of Source Stack or Image
- Essbase Services Not Using Configured System Limits
- Backup Scripts Failed for Some Upgraded 19c Instances
- · Application Creation and Deployment Failed when Using ATP-D Database

For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

# **Deprecation Notes**

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

# Release 21.5.0.0.1 - June 2023 - Marketplace Deployment

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

## New Features, Enhancements, and Issues

For prior new features and enhancements, see previous Release Notes topics. For a description of current features, see the Oracle Essbase 21c documentation. Following are the details specific to this release for specific deployment options.

Marketplace deployment only

#### Federated Partition Enhancements

The following features were added to Essbase integration with Autonomous Database via Federated Partitions. For more details, see Integrate Essbase with Autonomous Database Using Federated Partitions.

- Support for execution of calculation scripts, with limitations
- Ability to load data using Oracle Essbase processes into the fact table in Autonomous Database
- Perform write-back (update Autonomous Database fact table) using Smart View



Transparent and replicated partitions created previously may not work after upgrade stack is run. You must re-create connections, sources, and partitions after upgrade stack.

# All deployments

# Audit Trail Support Enhancements

Essbase users can now stream audit information to an external database for connections that are defined on the platform. For more details, see Audit Security, Artifact Changes, and LCM Events.

#### Outline Enhancements

Essbase users can now compare outlines, side-by-side, on a single browser window. You can also copy members and hierarchies from one outline to another, which can be on the



same Essbase instance or on a different one. For more details, see Compare Outlines and Copy and Paste Members Within and Between Outlines.

• **Performance Analyzer Enhancements**: You can now indicate the number of files you want to retain. For more details, see About Performance Analyzer.

#### **Version Details**

- Software versions:
  - Oracle-Linux-7.9-2023.05.24-0
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA
  - Oracle JDK 8 update 291 Server JRE
- Applied patches listed below and as noted in the documentation:

# Note:

Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusion Middleware, can be downloaded and applied manually. These patches are included in the latest listings.

- 35233446 Oracle WebLogic Server Stack Patch Bundle 12.2.1.4.230329
  - \* 35233518 WLS Stack Patch Bundle 12.2.1.4.230329 (Patch 35233446) (Interim Patch 35233450)
  - \* 33639718 ADR for WebLogic Server 12.2.1.4.0 CPU JULY 2022
  - 35226999 WLS Patch Set Update 12.2.1.4.230328
  - 35098700 WebLogic Samples SPU 12.2.1.4.230418
  - 35122398 Coherence 12.2.1.4 Cumulative Patch 17 (12.2.1.4.17)
  - 33093748 FMW Platform 12.2.1.4.0 SPU for APRCPU2021
  - \* 35162846 FMW Thirdparty Bundle Patch 12.2.1.4.230309
  - \* 28186730 OPATCH 13.9.4.2.11 for EM 13.4 and FMW/WLS 12.2.1.3.0, 12.2.1.4.0 and 14.1.1.0.0
  - 32944803 JDBC 19.3.0.0 for CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
  - \* 35035861 RDA release 23.2-20230418 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 35148842 ADF Bundle Patch 12.2.1.4.230306
- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch
- 34685293 Essbase Release Update

#### **Patching**

See Patch and Roll Back for patching instructions.



## **Bug Fixes and Known Issues**

The following are the new or continuing known issues in this version of Oracle Essbase via Marketplace:

- Backup Scripts Work Only with Autonomous Transaction Processing Database
- Manual Backup Failed
- Opening Rule Editor Failed or Delayed
- Backup of Restored Instance Failed
- Stack Destroy Job Failed when Configured with Object Storage
- After Stack Image Update, Essbase Cannot be Accessed
- After Stack Image Update, Cannot Connect to OLAP Server
- Image Update Error Occurred when Backup/Restore Run on Source Instance
- Image Update Stack Destroy Job Failed after Destroy of Source Stack or Image
- Essbase Services Not Using Configured System Limits
- Backup Scripts Failed for Some Upgraded 19c Instances
- · Application Creation and Deployment Failed when Using ATP-D Database
- Patching Failed When 21.5 Applied Onto 21.4 or 21.4.3
- Private IP Field Still Displayed After Check Boxes Unselected

For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

# **Deprecation Notes**

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

# Patching Failed When 21.5 Applied Onto 21.4 or 21.4.3

Patching failed when patch 21.5 was applied on top of 21.4 or 21.4.3.

Workaround: You must roll back the relevant release, 21.4 or 21.4.3, and then apply patch 21.5.

# Private IP Field Still Displayed After Check Boxes Unselected

Target Instance IP (optional field) remains displayed in the deployment interface after selected Upgrade Stack and Specify Private IP for Target check boxes were then unselected.



**Private IP** field only appears if you selected both **Upgrade Stack** and **Specify Private IP for Target** check boxes.

Workaround: Recreate a fresh stack (by running a new Create Stack), using the proper documented workflow.



# Release 21.5.2.0.1 - September 2023 - Stack Deployment on OCI Marketplace

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

# New Features, Enhancements and Issues

For prior new features and enhancements, see previous Release Notes topics. For a description of current features, see the Oracle Essbase 21c documentation. Following are the details specific to this release for specific deployment options.

Marketplace deployment only

Smart View for Essbase Now Available on a Mac and Browser

- Provides an interface between Essbase solutions and Microsoft Office 365
- Allows Office 365 users to take advantage of Smart View functionality on the browserbased version of Excel 365
- Includes additional benefits: multi-platform support, ease of deployment and maintenance, zero client footprint, and no maintenance for end users
- Upgrade support expanded: Support added for Essbase upgrades from 19.3.0.0.2 or 19.3.0.2.3

## **Version Details**

Patches certified with this release - it is a pre-requirement that you apply the supported patches listed below:

- Software versions:
  - Oracle-Linux-7.9-2023.06.30-1
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA
  - Oracle JDK 8 update 291 Server JRE
- Applied patches listed below and as noted in the documentation:

# Note:

Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusion Middleware, can be downloaded and applied manually. These patches are included in the latest listings.

- 35602682 Oracle WebLogic Server Stack Patch Bundle 12.2.1.4.230714
  - \* 35602718 WLS STACK PATCH BUNDLE 12.2.1.4.230714 (PATCH 35602682) (INTERIM PATCH 35602685)
  - \* 33639718 ADR FOR WEBLOGIC SERVER 12.2.1.4.0 CPU JUL 2022
  - \* 35557681 WLS PATCH SET UPDATE 12.2.1.4.230702
  - \* 35474754 WEBLOGIC SAMPLES SPU 12.2.1.4.230718



- \* 35505207 Coherence 12.2.1.4 Cumulative Patch 18 (12.2.1.4.18)
- 33093748 FMW PLATFORM 12.2.1.4.0 SPU FOR APRCPU2021
- \* 35547646 FMW Thirdparty Bundle Patch 12.2.1.4.230628
- \* 28186730 OPATCH 13.9.4.2.13 FOR EM 13.4 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0
- \* 32720458 JDBC 19.3.0.0 FOR CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
- \* 35380810 RDA release 23.3-20230718 for FMW 12.2.1.4.0
- \* 35600530 Release Update Revision: Oracle Essbase 21.5.2.0.0
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 35503128 ADF BUNDLE PATCH 12.2.1.4.230615
- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch



Apply patch 35679623, which is the replacement patch for 35602682, as 35602682 is unavailable on MOS.

# **Patching**

See Patch and Roll Back for patching instructions.

# **Bug Fixes and Known Issues**

The following are the new or continuing known issues in this version of Oracle Essbase via Marketplace:

- Backup Scripts Work Only with Autonomous Transaction Processing Database
- Manual Backup Failed
- Opening Rule Editor Failed or Delayed
- Backup of Restored Instance Failed
- Stack Destroy Job Failed when Configured with Object Storage
- After Stack Image Update, Essbase Cannot be Accessed
- After Stack Image Update, Cannot Connect to OLAP Server
- Image Update Error Occurred when Backup/Restore Run on Source Instance
- Image Update Stack Destroy Job Failed after Destroy of Source Stack or Image
- Essbase Services Not Using Configured System Limits
- Backup Scripts Failed for Some Upgraded 19c Instances
- Application Creation and Deployment Failed when Using ATP-D Database
- Patching Failed When 21.5 Applied Onto 21.4 or 21.4.3
- Private IP Field Still Displayed After Check Boxes Unselected



 Upgrade Stack failed if performed on an Essbase instance that was previously created using Stack Upgrade. Workaround: None. Please contact Support.

For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

# **Deprecation Notes**

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

# Release 21.5.3.0.1 - October 2023 - Stack Deployment on OCI Marketplace

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

## New Features, Enhancements, and Issues

For prior new features and enhancements, see previous Release Notes. For a description of current features, see the Oracle Essbase 21c documentation.

#### **Version Details**

Patches certified with this release - it is a pre-requirement that you apply the supported patches listed below:

- Software versions:
  - Oracle-Linux-7.9-2023.09.26-0
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA
  - Oracle JDK 8 update 291 Server JRE
- Applied patches listed below and as noted in the documentation:

# Note:

Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusion Middleware, can be downloaded and applied manually. These patches are included in the latest listings.

- 35602682 Oracle WebLogic Server Stack Patch Bundle 12.2.1.4.230714
  - \* 35602718 WLS STACK PATCH BUNDLE 12.2.1.4.230714 (PATCH 35602682) (INTERIM PATCH 35602685)
  - 33639718 ADR FOR WEBLOGIC SERVER 12.2.1.4.0 CPU JUL 2022
  - \* 35557681 WLS PATCH SET UPDATE 12.2.1.4.230702
  - \* 35474754 WEBLOGIC SAMPLES SPU 12.2.1.4.230718
  - \* 35505207 Coherence 12.2.1.4 Cumulative Patch 18 (12.2.1.4.18)
  - \* 33093748 FMW PLATFORM 12.2.1.4.0 SPU FOR APRCPU2021
  - 35547646 FMW Thirdparty Bundle Patch 12.2.1.4.230628
  - \* 28186730 OPATCH 13.9.4.2.13 FOR EM 13.4 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0



- \* 32720458 JDBC 19.3.0.0 FOR CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
- 35380810 RDA release 23.3-20230718 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 35503128 ADF BUNDLE PATCH 12.2.1.4.230615
- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch
- 35765243 Release Update Revision: Oracle Essbase 21.5.3.0.0



Apply patch 35679623, which is the replacement patch for 35602682, as 35602682 is unavailable on MOS.

## **Patching**

See Patch and Roll Back for patching instructions.

# **Bug Fixes and Known Issues**

The following are the new or continuing known issues in this version of Oracle Essbase via Marketplace:

- Backup Scripts Work Only with Autonomous Transaction Processing Database
- Manual Backup Failed
- Opening Rule Editor Failed or Delayed
- Backup of Restored Instance Failed
- Stack Destroy Job Failed when Configured with Object Storage
- Image Update Error Occurred when Backup/Restore Run on Source Instance
- Image Update Stack Destroy Job Failed after Destroy of Source Stack or Image
- Essbase Services Not Using Configured System Limits
- Application Creation and Deployment Failed when Using ATP-D Database
- Patching Failed When 21.5 Applied Onto 21.4 or 21.4.3
- Redirect URL Not Working After Configuring IDCS Instance With Load Balancer
- Backup Scripts Failed for Some Upgraded 19c Instances from 19.3.0.n.n
- Scripts/Files with Non English Characters Not Migrated
- Backup Scripts Failed on Target Instance Upgraded from 19.3.0.n.n Versions
- Aliases Cannot Be Listed When Trying to Run Ad Hoc Analysis Using SmartView

For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

## **Deprecation Notes**



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

# Redirect URL Not Working After Configuring IDCS Instance With Load Balancer

Upon configuring IDCS instance with Load balancer, the Redirect URL is not working.

Workaround: In the IDCS application, update the Redirect URL and remove ":443". For example, if Redirect URL received from Stack creation is: https://IP:443/essbase/redirect\_uri, update it to: https://IP/essbase/redirect\_uri in the application.



Logout URLwill remain as is.

# Backup Scripts Failed for Some Upgraded 19c Instances from 19.3.0.n.n

Backup scripts failed on 21.5.n instances that were created using an upgrade from 19.3.0.0.2 or 19.3.0.2.3 source instances.

Workaround: Use Non-Oracle-Scripted Backup and Restore.

# Scripts/Files with Non English Characters Not Migrated

Upgrade from Essbase 11g On-Premise on Windows to Essbase 21c Marketplace deployment does not migrate calculation scripts, rule files, or text files containing non-English characters.

**Workaround**: Upload the artifacts to Essbase 21c file catalog using CLI (upload command) or the Essbase web interface (as described in Work with Files and Artifacts).

# Backup Scripts Failed on Target Instance Upgraded from 19.3.0.n.n Versions

Backup scripts failed, and bucket information was not updated on the Target instance.

After upgrading the stack from 19.3.0.0.2, 19.3.0.2.3, 19.3.0.3.4 or 19.3.0.4.5, to 21.5.3 version or earlier, while creating a backup, the backup scripts failed.

If you are upgrading from 19.3.0.0.2 or 19.3.0.2.3 (created with existing or new database), or 19.3.0.3.4 or 19.3.0.4.5 (created only with existing database) perform the steps below. Skip the steps below if bucket details are already present in the ext\_metadata.json file.

## Workaround:

- Log in to the Target instance using ssh.
- 2. Change to a working directory and create the following file:

```
oci compute instance get --instance-id $(oci-metadata -j | jq -r
'.instance.id') --auth instance_principal | jq '.data."extended-metadata"'
> ext_metadata.json
```

3. Edit file ext metadata.json to add a JSON field for bucket information, for example:

```
{
```



```
...
"backup_bucket": {
"id": "n/<namespace>/b/essbase_xxxx_backup",
"name": "essbase_xxxx_backup",
"namespace": <namespace>"},
...
...
}
```

Replace "xxxx" above with the bucket details of any bucket in your tenancy.



Regardless of how the existing backup bucket attribute appears in the ext\_metadata.json file, such as null, empty block, or inside or outside the database attribute, you must add the above details as a separate attribute in the ext\_metadata.json file.

4. Execute the following command in Target stack to update Target stack metadata.

```
oci compute instance update --instance-id $(oci-metadata -j | jq -r '.instance.id') --extended-metadata file://./ext_metadata.json --auth instance principal --force
```

# Aliases Cannot Be Listed When Trying to Run Ad Hoc Analysis Using SmartView

An error occurred when trying to run Ad Hoc analysis of an outline in SmartView.

When trying to connect to an application through SmartView, to perform Ad Hoc Analysis, the following error was received: "Cannot list Aliases. Essbase Error (-1) Broken pipe (Write failed)".

For outlines that were created in 11.1.2.4 using Essbase Studio, and then migrated to 21C, there may be an error when retrieving in SmartView.

Workaround: Save and restructure the outline in 21C.

# Release 21.5.4.0.1 - December 2023 - Stack Deployment on OCI Marketplace

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

## New Features, Enhancements, and Issues

For prior new features and enhancements, see previous Release Notes. For a description of current features, see the Oracle Essbase 21c documentation. Following are the details specific to this release for specific deployment options.

Marketplace deployment only

Upgrade support expanded: Support added for Essbase upgrades from 21.1.0.0.1

#### **Version Details**

Patches certified with this release - it is a pre-requirement that you apply the supported patches listed below:

- Software versions:
  - Oracle-Linux-7.9-2023.09.26-0
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA
  - Oracle JDK 8 update 291 Server JRE
- Applied patches listed below and as noted in the documentation:

# Note:

Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusion Middleware, can be downloaded and applied manually. These patches are included in the latest listings.

- 35899167 -- Oracle WebLogic Server Stack Patch Bundle 12.2.1.4.231011
  - \* 35899219 -- WLS STACK PATCH BUNDLE 12.2.1.4.231011 (PATCH 35899167) (INTERIM PATCH 35899172)
  - \* 35476067 -- ADR FOR WEBLOGIC SERVER 12.2.1.4.0 CPU OCT 2023
  - \* 35893811 -- WLS PATCH SET UPDATE 12.2.1.4.231010
  - \* 35474754 -- WEBLOGIC SAMPLES SPU 12.2.1.4.230718
  - \* 35778804 -- Coherence 12.2.1.4 Cumulative Patch 19 (12.2.1.4.19)
  - \* 33093748 -- FMW PLATFORM 12.2.1.4.0 SPU FOR APRCPU2021
  - \* 35882299 -- FMW Thirdparty Bundle Patch 12.2.1.4.231006
  - \* 28186730 -- OPATCH 13.9.4.2.14 FOR EM 13.4 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0
  - \* 32720458 -- JDBC 19.3.0.0 FOR CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
  - \* 35671137 -- RDA release 23.4-20231017 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 35735469 Oracle ADF Bundle Patch 12.2.1.4.230823
- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch
- 35938051 Release Update Revision: Oracle Essbase 21.5.4.0.0

# **Patching**

See Patch and Roll Back for patching instructions.

## **Bug Fixes and Known Issues**



The following are the new or continuing known issues in this version of Oracle Essbase via Marketplace:

- Backup Scripts Work Only with Autonomous Transaction Processing Database
- Manual Backup Failed
- Opening Rule Editor Failed or Delayed
- Backup of Restored Instance Failed
- Stack Destroy Job Failed when Configured with Object Storage
- Image Update Error Occurred when Backup/Restore Run on Source Instance
- Image Update Stack Destroy Job Failed after Destroy of Source Stack or Image
- Essbase Services Not Using Configured System Limits
- · Application Creation and Deployment Failed when Using ATP-D Database
- Patching Failed When 21.5 Applied Onto 21.4 or 21.4.3
- Redirect URL Not Working After Configuring IDCS Instance With Load Balancer
- Backup Scripts Failed for Some Upgraded 19c Instances from 19.3.0.n.n
- Scripts/Files with Non English Characters Not Migrated
- Backup Scripts Failed on Target Instance Upgraded from 19.3.0.n.n Versions
- Aliases Cannot Be Listed When Trying to Run Ad Hoc Analysis Using SmartView
- Backup Scripts Failed on Target Instance Upgraded from 21.1 or 19.3.0.n.n Versions

For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

# **Deprecation Notes**

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

# Backup Scripts Failed on Target Instance Upgraded from 21.1 or 19.3.0.n.n Versions

Backup scripts failed, and bucket information was not updated on the Target instance.

After upgrading the stack from 19.3.0.0.2, 19.3.0.2.3, 19.3.0.3.4, 19.3.0.4.5, or 21.1 to 21.5.4, while creating a backup, the backup scripts failed.

If you are upgrading from 19.3.0.0.2 or 19.3.0.2.3 (created with existing or new database), or 19.3.0.3.4, 19.3.0.4.5 or 21.1 (created only with existing database) perform the steps below. Skip the steps below if bucket details are already present in the ext metadata.json file.

# Workaround:

- 1. Log in to the Target instance using ssh.
- 2. Change to a working directory and create the following file:

```
oci compute instance get --instance-id $(oci-metadata -j | jq -r
'.instance.id') --auth instance_principal | jq '.data."extended-metadata"'
> ext_metadata.json
```



3. Edit file ext metadata.json to add a JSON field for bucket information, for example:

```
{
...
...
"backup_bucket": {
"id": "n/<namespace>/b/essbase_xxxx_backup",
"name": "essbase_xxxx_backup",
"namespace": <namespace>"},
...
...
}
```

Replace "xxxx" above with the bucket details of any bucket in your tenancy.



Regardless of how the existing backup bucket attribute appears in the ext\_metadata.json file, such as null, empty block, or inside or outside the database attribute, you must add the above details as a separate attribute in the ext\_metadata.json file.

4. Execute the following command in Target stack to update Target stack metadata.

```
oci compute instance update --instance-id $(oci-metadata -j | jq -r '.instance.id') --extended-metadata file://./ext_metadata.json --auth instance principal --force
```

# Release 21.5.5.0.1 - March 2024 - Stack Deployment on OCI Marketplace

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

# New Features, Enhancements, and Issues

For prior new features and enhancements, see previous Release Notes. For a description of current features, see the Oracle Essbase 21c documentation. Following are the details specific to this release for specific deployment options.

Marketplace deployment only

· Support for new shape: VM.Standard.E5.Flex

# **Version Details**

Patches certified with this release - it is a pre-requirement that you apply the supported patches listed below:

- Software versions:
  - Oracle-Linux-7.9-2023.12.08-0
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA

- Oracle JDK 8 update 291 Server JRE
- Applied patches listed below and as noted in the documentation:

# Note:

Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusion Middleware, can be downloaded and applied manually. These patches are included in the latest listings.

36178496 - WLS STACK PATCH BUNDLE 12.2.1.4.240111

# Note:

After installing above latest WLS STACK PATCH BUNDLE, check to see whether patch 33735326 was included. If it is not present, it needs to be applied.

To check which patches have been applied, navigate to <ORACLE\_HOME>/
OPatch, and use the opatch lsinventory command. To check
specifically for patch 33735326, you can use grep.

For example,

opatch lsinventory | grep 33735326

- \* 36178550 -- WLS STACK PATCH BUNDLE 12.2.1.4.240111 (PATCH 36178496) (INTERIM PATCH 36178498)
- \* 35965629 -- ADR FOR WEBLOGIC SERVER 12.2.1.4.0 SIZE OPTIMIZED FOR JAN 2024
- \* 36155700 -- WLS PATCH SET UPDATE 12.2.1.4.240104
- \* 35474754 -- WEBLOGIC SAMPLES SPU 12.2.1.4.230718
- \* 36068046 -- Coherence 12.2.1.4 Cumulative Patch 20 (12.2.1.4.20)
- \* 33093748 -- FMW PLATFORM 12.2.1.4.0 SPU FOR APRCPU2021
- \* 36086980 -- FMW Thirdparty Bundle Patch 12.2.1.4.231207
- \* 28186730 -- OPATCH 13.9.4.2.14 FOR EM 13.4 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0
- \* 32720458 -- JDBC 19.3.0.0 FOR CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)
- \* 35922290 -- RDA release 24.1-20240116 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 36074941 (ADF BUNDLE PATCH 12.2.1.4.231205)
- 33950717 OPSS Bundle Patch 12.2.1.4.220311
- 36054447 Release Update Revision: Oracle Essbase 21.5.5.0.0



#### **Patching**

See Patch and Roll Back for patching instructions.

#### **Bug Fixes and Known Issues**

The following are the new or continuing known issues in this version of Oracle Essbase via Marketplace:

- Backup Scripts Work Only with Autonomous Transaction Processing Database
- Manual Backup Failed
- Opening Rule Editor Failed or Delayed
- Backup of Restored Instance Failed
- Stack Destroy Job Failed when Configured with Object Storage
- Image Update Error Occurred when Backup/Restore Run on Source Instance
- Image Update Stack Destroy Job Failed after Destroy of Source Stack or Image
- Essbase Services Not Using Configured System Limits
- Application Creation and Deployment Failed when Using ATP-D Database
- Patching Failed When 21.5 Applied Onto 21.4 or 21.4.3
- Redirect URL Not Working After Configuring IDCS Instance With Load Balancer
- Backup Scripts Failed for Some Upgraded 19c Instances from 19.3.0.n.n
- · Scripts/Files with Non English Characters Not Migrated
- Backup Scripts Failed on Target Instance Upgraded from 19.3.0.n.n Versions
- Aliases Cannot Be Listed When Trying to Run Ad Hoc Analysis Using SmartView
- Backup Scripts Failed on Target Instance Upgraded from 21.1 or 19.3.0.n.n Versions
- Connectivity May Fail for Load Rule Using Oracle Call Interface (OCI)

For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

#### **Deprecation Notes**

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

# Connectivity May Fail for Load Rule Using Oracle Call Interface (OCI)

On Windows, previewing data or running a dimension build or data load with a rule file that uses Oracle Call Interface (OCI) connection strings may fail with the following error message:

Attempt to connect to OCI failed. [ORA-12638: Credential retrieval failed].

The cause of this issue is that the version 19c Oracle Database server and the 19c client (in this case the client is where Essbase is installed) has no setting, or has the following setting in sqlnet.ora: SQLNET.AUTHENTICATION\_SERVICES=(NTS)

The solution is to set SQLNET.AUTHENTICATION\_SERVICES=(NONE) in sqlnet.ora on the computer where Essbase is installed.

- 1. In <Oracle Home>/network/admin, locate sqlnet.ora
- 2. Open the file and add SQLNET.AUTHENTICATION SERVICES=(NONE)



# 3. Restart the Essbase application.



If the sqlnet.ora file does not exist, create it by adding a text file with the name sqlnet.ora.

The parameter may be in the square instead of sqlnet.ora. Refer to usage notes in the SQLNET.AUTHENTICATION\_SERVICES documentation for Oracle Database 19c.

# Release 21.6.0.0.1 - August 2024 - Stack Deployment on OCI Marketplace

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

## New Features, Enhancements, and Issues

For prior new features and enhancements, see previous Release Notes. For a description of current features, see the Oracle Essbase 21c documentation. Following are the details specific to this release for specific deployment options.

Marketplace deployment only

- Dropdown selection of secrets with the choice to choose the compartments
   For more information, see Create Stack.
- Option to upgrade to the recommended flex shape See Upgrade Stack.
- Essbase Image based on Oracle Linux 8
   Support is added for Oracle Linux 8 as the OS for both new deployments and stack upgrades.
- Cube Designer Support for Federated Partitions

Essbase users can now use Cube Designer to create a federated partition by creating a Cube. FederatedPartition worksheet in the application workbook for the Essbase cube, and then validating the sheet and saving the partition to the server. See Create a Federated Partition in Cube Designer.

#### Encryption at Rest

You can encrypt Essbase applications using the Oracle Cloud Infrastructure (OCI) Vault. See Encryption at Rest for Essbase Applications.

# All deployments

## Redwood Web User Interface

You can now try out the new Redwood web user interface by selecting the Redwood option when logging in to Essbase.

The Redwood interface features several enhancements:

- A new Redwood look and feel.
- You work in the context of the application or cube instead of working in the application and cube inspectors.



- Objects such as scripts or the outline are opened in tabs, so you can easily toggle between them.
- Enhanced functionality for adding members, where you can provide, in one dialog, all
  the general properties like storage type, dimension type, solve order, formulas,
  attributes, and UDAs. You can also add the multiple members consecutively using the
  shortcut 'Ctrl + Enter' or by clicking the Add button without closing the dialog.
- Enhanced search capability, with improved performance and access to the following operations in the Search dialog: Locate, Member inspector, and Hierarchy (Shows the hierarchy of the member in a tree view, where you can locate, launch the member inspector, or add a sibling or a child, if the outline is in Edit mode).

#### MDX Export Enhancements

MDX export allows users to save query results directly to a file. This is useful for handling large queries or for exporting data later to import using a data load.

MDX Export for aggregate storage (ASO) cubes includes the following new feature:

Support for native (block storage) data export format using the **DATAEXPFORMAT** directive.

New features for aggregate storage (ASO) and block storage (BSO) cubes:

- Unique member name support for duplicate member outlines.
- Improved performance and no query limitation of 2<sup>32</sup> cells when you export only level-0 data and use two axes in the SELECT section of the guery.

For more information, see MDX Export Specification.

#### **Version Details**

Patches certified with this release - it is a pre-requirement that you apply the supported patches listed below:

- Software versions:
  - Oracle-Linux-8.9-2024.04.19-0
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA
  - Oracle JDK 8 update 291 Server JRE
- Applied patches listed below and as noted in the documentation:



Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusion Middleware, can be downloaded and applied manually. These patches are included in the latest listings.

36822778 - WLS STACK PATCH BUNDLE 12.2.1.4.240710



# Note:

After installing above latest WLS STACK PATCH BUNDLE, check to see whether patch 33735326 was included. If it is not present, it needs to be applied.

To check which patches have been applied, navigate to <ORACLE\_HOME>/OPatch, and use the opatch lsinventory command. To check specifically for patch 33735326, you can use grep.

For example,

opatch lsinventory | grep 33735326

- \* 36822804 -- WLS STACK PATCH BUNDLE 12.2.1.4.240710 (PATCH 36822778) (INTERIM PATCH 36822782)
- \* 35965629 -- ADR FOR WEBLOGIC SERVER 12.2.1.4.0
- \* 36805124 -- WLS PATCH SET UPDATE 12.2.1.4.240704
- \* 36426672 -- WEBLOGIC SAMPLES SPU 12.2.1.4.240416
- \* 36725924 -- Coherence 12.2.1.4 Cumulative Patch 22 (12.2.1.4.22)
- \* 33093748 -- FMW PLATFORM 12.2.1.4.0 SPU FOR APRCPU2021
- \* 36770738 -- FMW Thirdparty Bundle Patch 12.2.1.4.240625
- \* 28186730 -- OPATCH 13.9.4.2.16 FOR EM 13.4 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0
- \* 32720458 -- JDBC 19.3.0.0 FOR CPUAPR2022 (WLS 12.2.1.4, WLS 14.1.1)
- \* 36553894 -- RDA release 24.3-2024716 for FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 36700543 Oracle ADF BUNDLE PATCH 12.2.1.4.240605
- 36316422 Oracle OPSS Bundle Patch 12.2.1.4.240220 README
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch
- 35426547 Release Update: Oracle Essbase 21.6.0.0.0

## **Patching**

See Patch and Roll Back for patching instructions.

# **Bug Fixes and Known Issues**

The following are the new or continuing known issues in this version of Oracle Essbase via Marketplace:

- Backup Scripts Work Only with Autonomous Transaction Processing Database
- Manual Backup Failed
- Opening Rule Editor Failed or Delayed



- Backup of Restored Instance Failed
- Stack Destroy Job Failed when Configured with Object Storage
- Image Update Error Occurred when Backup/Restore Run on Source Instance
- Image Update Stack Destroy Job Failed after Destroy of Source Stack or Image
- Essbase Services Not Using Configured System Limits
- Application Creation and Deployment Failed when Using ATP-D Database
- Patching Failed When 21.5 Applied Onto 21.4 or 21.4.3
- Redirect URL Not Working After Configuring IDCS Instance With Load Balancer
- Backup Scripts Failed for Some Upgraded 19c Instances from 19.3.0.n.n
- Scripts/Files with Non English Characters Not Migrated
- Backup Scripts Failed on Target Instance Upgraded from 19.3.0.n.n Versions
- Aliases Cannot Be Listed When Trying to Run Ad Hoc Analysis Using SmartView
- Backup Scripts Failed on Target Instance Upgraded from 21.1 or 19.3.0.n.n Versions
- Connectivity May Fail for Load Rule Using Oracle Call Interface (OCI)

For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

# **Deprecation Notes**

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

# Release 21.7.0.0.1 - December 2024 - Stack Deployment on OCI Marketplace

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

# New Features, Enhancements, and Issues

For prior new features and enhancements, see previous Release Notes. For a description of current features, see the Oracle Essbase 21c documentation. Following are the details specific to this release for specific deployment options.

All deployments

# MDX Export Enhancements

MDX export allows users to save query results directly to a file. This is useful for handling large queries or for exporting data later to import using a data load.

New feature for aggregate storage (ASO) and block storage (BSO) cubes:

 Support for decimal precision using the **DECIMAL** directive, where you can specify the number of decimal places in exported numeric data.

For more information, see MDX Export Specification.

## Calc Tracing for Multiple Users

The SET TRACEID calculation command allows multiple Essbase users to independently trace their calculations using the SET TRACE command in a calculation script.



Each user has their own unique tracing file in the cube directory, ensuring that their results are written to a separate file that will not overwritten by others.

For more information, see SET TRACEID.

## **Version Details**

Patches certified with this release - it is a pre-requirement that you apply the supported patches listed below:

- Software versions:
  - Oracle-Linux-8.10-2024.09.30-0
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA
  - Oracle JDK 8 update 421 Server JRE
- Applied patches listed below and as noted in the documentation:



Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusion Middleware, can be downloaded and applied manually. These patches are included in the latest listings.

37150572 - WLS STACK PATCH BUNDLE 12.2.1.4.241008

# Note:

After installing above latest WLS STACK PATCH BUNDLE, check to see whether patch 33735326 was included. If it is not present, it needs to be applied.

To check which patches have been applied, navigate to <ORACLE\_HOME>/OPatch, and use the opatch lsinventory command. To check specifically for patch 33735326, you can use grep.

For example,

opatch lsinventory | grep 33735326

- \* 37150600 -- WLS STACK PATCH BUNDLE 12.2.1.4.241008 (PATCH 37150572) (INTERIM PATCH 37150574)
- \* 35965629 -- ADR FOR WEBLOGIC SERVER 12.2.1.4.0 SIZE OPTIMIZED FOR JAN 2024
- \* 37087476 -- WLS PATCH SET UPDATE 12.2.1.4.240922
- \* 36426672 -- WEBLOGIC SAMPLES SPU 12.2.1.4.240416
- \* 37049907 -- Coherence 12.2.1.4 Cumulative Patch 23 (12.2.1.4.23)
- \* 36789759 -- FMW PLATFORM BUNDLE PATCH 12.2.1.4.240812
- \* 37103277 -- FMW Thirdparty Bundle Patch 12.2.1.4.240925



- \* 28186730 -- OPATCH 13.9.4.2.17 FOR EM 13.4 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0
- \* 36926636 -- JDBC 19.24.0.0 FOR CPUOCT2024 (WLS 12.2.1.4, WLS 14.1.1)
- \* 36851321 -- RDA release 24.4-20241015 for FMW 12.2.1.4.0
- \* 37096063 -- OSS 19C BUNDLE PATCH 12.2.1.4.241001
- \* 37056593 -- OCT 2024 CLONING SPU FOR FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 37028738- Oracle ADF BUNDLE PATCH 12.2.1.4.240905
- 36316422 Oracle OPSS Bundle Patch 12.2.1.4.240220 README
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch
- 36675325 Release Update: Oracle Essbase 21.7.0.0.0

#### **Patching**

See Patch and Roll Back for patching instructions.

## **Bug Fixes and Known Issues**

The following are the new or continuing known issues in this version of Oracle Essbase via Marketplace:

- Backup Scripts Work Only with Autonomous Transaction Processing Database
- Manual Backup Failed
- Opening Rule Editor Failed or Delayed
- Backup of Restored Instance Failed
- Stack Destroy Job Failed when Configured with Object Storage
- Image Update Error Occurred when Backup/Restore Run on Source Instance
- Image Update Stack Destroy Job Failed after Destroy of Source Stack or Image
- Essbase Services Not Using Configured System Limits
- Application Creation and Deployment Failed when Using ATP-D Database
- Patching Failed When 21.5 Applied Onto 21.4 or 21.4.3
- Redirect URL Not Working After Configuring IDCS Instance With Load Balancer
- Backup Scripts Failed for Some Upgraded 19c Instances from 19.3.0.n.n
- Scripts/Files with Non English Characters Not Migrated
- Backup Scripts Failed on Target Instance Upgraded from 19.3.0.n.n Versions
- Aliases Cannot Be Listed When Trying to Run Ad Hoc Analysis Using SmartView
- Backup Scripts Failed on Target Instance Upgraded from 21.1 or 19.3.0.n.n Versions
- Connectivity May Fail for Load Rule Using Oracle Call Interface (OCI)

For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

# **Deprecation Notes**



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

# Release 21.7.0.0.2 - January 2025 - Stack Deployment on OCI Marketplace

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

# New Features, Enhancements, and Issues

For prior new features and enhancements, see previous Release Notes. For a description of current features, see the Oracle Essbase 21c documentation. Following are the details specific to this release for specific deployment options.

Marketplace deployment only

#### Link Essbase Instance to Autonomous Database Data Studio

Add a link to launch your Essbase instance from Data Studio suite of tools on the Autonomous Database instance. For more information, see Link Essbase Instance to Autonomous Database Data Studio.

#### **Version Details**

Patches certified with this release - it is a pre-requirement that you apply the supported patches listed below:

- Software versions:
  - Oracle-Linux-8.10-2024.09.30-0
  - Oracle Fusion Middleware 12.2.1.4.0 GA
  - Oracle Essbase 21.1.0.0.0 GA
  - Oracle JDK 8 update 421 Server JRE
- Applied patches listed below and as noted in the documentation:



Essbase Release Update patches only contain Essbase binaries. In addition, other patches, such as for Fusion Middleware, can be downloaded and applied manually. These patches are included in the latest listings.

37150572 - WLS STACK PATCH BUNDLE 12.2.1.4.241008



# Note:

After installing above latest WLS STACK PATCH BUNDLE, check to see whether patch 33735326 was included. If it is not present, it needs to be applied.

To check which patches have been applied, navigate to <ORACLE\_HOME>/OPatch, and use the opatch lsinventory command. To check specifically for patch 33735326, you can use grep.

For example,

opatch lsinventory | grep 33735326

- \* 37150600 -- WLS STACK PATCH BUNDLE 12.2.1.4.241008 (PATCH 37150572) (INTERIM PATCH 37150574)
- \* 35965629 -- ADR FOR WEBLOGIC SERVER 12.2.1.4.0 SIZE OPTIMIZED FOR JAN 2024
- \* 37087476 -- WLS PATCH SET UPDATE 12.2.1.4.240922
- \* 36426672 -- WEBLOGIC SAMPLES SPU 12.2.1.4.240416
- \* 37049907 -- Coherence 12.2.1.4 Cumulative Patch 23 (12.2.1.4.23)
- \* 36789759 -- FMW PLATFORM BUNDLE PATCH 12.2.1.4.240812
- \* 37103277 -- FMW Thirdparty Bundle Patch 12.2.1.4.240925
- \* 28186730 -- OPATCH 13.9.4.2.17 FOR EM 13.4 AND FMW/WLS 12.2.1.3.0, 12.2.1.4.0 AND 14.1.1.0.0
- \* 36926636 -- JDBC 19.24.0.0 FOR CPUOCT2024 (WLS 12.2.1.4, WLS 14.1.1)
- \* 36851321 -- RDA release 24.4-20241015 for FMW 12.2.1.4.0
- \* 37096063 -- OSS 19C BUNDLE PATCH 12.2.1.4.241001
- \* 37056593 -- OCT 2024 CLONING SPU FOR FMW 12.2.1.4.0
- 31676526 RCU Patches for ADB
- 30540494 RCU Patches for ADB
- 30754186 RCU Patches for ADB
- 37028738- Oracle ADF BUNDLE PATCH 12.2.1.4.240905
- 36316422 Oracle OPSS Bundle Patch 12.2.1.4.240220 README
- 33735326 Fix for Bug 33735326, log4j (2.17.1) patch
- 36675325 Release Update: Oracle Essbase 21.7.0.0.0

## **Patching**

See Patch and Roll Back for patching instructions.

## **Bug Fixes and Known Issues**

The following are the new or continuing known issues in this version of Oracle Essbase via Marketplace:

Backup Scripts Work Only with Autonomous Transaction Processing Database



- Manual Backup Failed
- Opening Rule Editor Failed or Delayed
- Backup of Restored Instance Failed
- Stack Destroy Job Failed when Configured with Object Storage
- Image Update Error Occurred when Backup/Restore Run on Source Instance
- Image Update Stack Destroy Job Failed after Destroy of Source Stack or Image
- Essbase Services Not Using Configured System Limits
- Application Creation and Deployment Failed when Using ATP-D Database
- Patching Failed When 21.5 Applied Onto 21.4 or 21.4.3
- Redirect URL Not Working After Configuring IDCS Instance With Load Balancer
- Backup Scripts Failed for Some Upgraded 19c Instances from 19.3.0.n.n
- Scripts/Files with Non English Characters Not Migrated
- Backup Scripts Failed on Target Instance Upgraded from 19.3.0.n.n Versions
- Aliases Cannot Be Listed When Trying to Run Ad Hoc Analysis Using SmartView
- Backup Scripts Failed on Target Instance Upgraded from 21.1 or 19.3.0.n.n Versions
- Connectivity May Fail for Load Rule Using Oracle Call Interface (OCI)

For defects fixed and other known issues in Oracle Essbase, see https://support.oracle.com/rs?type=doc&id=2814450.1.

## **Deprecation Notes**

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



# History of Removed Features

Essbase introduces behavior changes in addition to new features. Changes in behavior include not supported and deprecated features, components, configuration settings, options, and syntax. This topic lists the features, by release, that were no longer supported or deprecated.

# **Terminology**

**Not Supported**—In the release in which a feature is not supported, the functionality is either completely removed from the product or, if not completely removed, is no longer supported.

**Deprecated**—In the release in which a feature is deprecated, the feature is still fully functional (unless limitations are specified) and supported. Typically, a deprecated feature will no longer be supported in the next release.



## **Caution:**

Oracle strongly recommends not implementing deprecated features.



Some legacy features or options that were deprecated or not supported in one release were reintroduced in a later release. These are marked with \*. For example, custom defined functions and macros were not supported in Essbase 19c, but were added back in Essbase 21c. Implied sharing was also added back in Essbase 21c. For details about the difference between legacy and newer functionality, see Differences Between Essbase 11g and Essbase 21c.

#### Essbase 19c and Essbase 21c

EAS Lite is deprecated in Essbase 21c. For more information, refer to https://support.oracle.com/rs?type=doc&id=2501038.1.

The following functionality from Essbase 11g is no longer supported:

- Essbase Administration Services (limited-use EAS Lite is available Essbase 21c for non-OCI, independent deployment only)
- Essbase Studio. To use drill through functionality previously offered by Studio, you now set up connections and Datasources to establish connectivity to external source data, and then build Drill Through reports in the Essbase platform to access the external data.
- Implied sharing not available in Essbase 19c. Available in Essbase 21c with a new configuration setting, IMPLIED\_SHARE\_ON\_CREATE
- Dynamic Calc and Store (these members are treated as Dynamic Calc)
- Loading data from Excel source files
- Use of Oracle Process Manager and Notification server (OPMN) to manage Essbase Agent

- Use of OPMN for failover lease management
- Committed access mode (isolation level). Essbase 21c manages block storage data transactions in uncommitted mode. Essbase releases a block after it is updated, and commits blocks when the transaction is completed.
- Cache memory locking (including MaxL statement alter database enable cache\_pinning)
- Custom-defined functions and macros \* (supported with Release 21c but not 19c)
- Essbase Web Services. The functionality of Java API SOAP Web services from earlier versions of Provider Services are replaced with REST API.

# Not supported configuration settings:

- AGTSVRCONNECTIONS
- CALCLOCKBLOCK
- CLEARLOGFILE
- CONNECTIONTIMEOUT
- DATAFILECACHESIZE
- DEFAULTLOGLOCATION
- DISKVOLUMES
- DISPLAYMESSAGELEVEL
- ENABLESWITCHTOBACKUPFILE
- ESSLANG
- HEARTBEATINTERVAL
- HISLEVELDRILLTHROUGH
- IBHFIXTHRESHHOLD
- IMPLIED\_SHARE \* (replaced in Essbase 21c with IMPLIED\_SHARE\_ON\_CREATE)
- INCRESTRUC
- JAVAMAXMEMBERSPEROUTLINE
- NO HOSTNAME LISTCONNECT
- NOMSGLOGGINGONDATAERRORLIMIT
- NUMBEROFSECFILEBACKUPS
- PORTUSAGELOGINTERVAL
- QUERYTIMEOUT
- SECFILEBACKUPINTERVAL
- SILENTOTLQUERY
- UNICODEENABLE
- UPPERCASECONNECTION (in esssql.cfg for ODBC)

## **Essbase 12.2.1**

#### Essbase 12.2.1.3.0

No longer supported starting in this release: MaxL Perl Module

## Essbase 12.2.1.2.0



Administration Services and Essbase Studio releases earlier than 11.1.2.4.008 are not supported with Essbase 12.2.1.2.0.

The following functionality from Essbase 11g is no longer supported:

- Cube Deployment Service (CDS)
- Essbase BI Acceleration

#### **Essbase 12.2.1.1.0**

Administration Services and Essbase Studio releases earlier than 11.1.2.4.008 are not supported with Essbase 12.2.1.1.0.

The following functionality from Essbase 11g is no longer supported:

- Cube Deployment Service (CDS)
- Essbase BI Acceleration

#### **Essbase 12.2.1.0.0**

The following functionality from Essbase 11g is no longer supported:

- Direct I/O
- Block storage outline synchronization
- Outline change log
- Currency conversion applications and currency partitions \* (supported again with Release 21c)
- Data compression types: zlib and none
- Linked partitions
- Oracle Essbase Administration Services Java API
- Network File System (NFS) protocol on Network Attached Storage (NAS) devices

No longer supported MaxL statements and grammar related to user and group management or to other deprecated security functionality:

- The following MaxL statements are no longer supported:
  - alter group \* (support for a few clauses is reintroduced with Release 21c)
  - alter user \* (support for a few clauses is reintroduced with Release 21c)
  - create group \* (support for a few clauses is reintroduced with Release 21c)
  - create user \* (support for a few clauses is reintroduced with Release 21c)
  - deploy
  - drop group \* (support for a few clauses is reintroduced with Release 21c)
  - drop user \* (support for a few clauses is reintroduced with Release 21c)
  - export security file
- In these MaxL statements, the following grammar is no longer supported:
  - alter system statement:
    - clear log file
    - sync security backup
    - compact security file



- set message level
- \* set eas loc
- display group statement—failed\_sss\_migration
- display system statement—security file fragmentation\_percent
- display user statement:
  - failed sss migration
  - \* shared\_services\_native with auto\_password
  - \* migr\_modified\_access
- grant statement— all privileges and roles. You can only grant calculation and filter access. \* (Support for granting privileges and roles, for EPM Shared Services security mode only, is reintroduced with Release 21c)

Not supported configuration settings:

- AGENTDELAY
- AGENTDESC
- AGENTDISPLAYMESSAGELEVEL
- AGENTLEASEEXPIRATIONTIME
- AGENTLEASEMAXRETRYCOUNT
- AGENTLEASERENEWALTIME
- AGENTLOGMESSAGELEVEL
- AGTMAXLOGFILESIZE
- APSRESOLVER
- DATAFILECACHESIZE
- DIRECTIO
- ESSBASEFAILOVERTRACELEVEL
- IDMIGRATION
- PERSISTUSERATLOGIN
- PORTINC
- SECURITYFILECOMPACTIONPERCENT
- SERVERLEASEEXPIRATIONTIME
- SERVERLEASEMAXRETRYCOUNT
- SERVERLEASERENEWALTIME
- UNICODEAGENTLOG

## Essbase 11.1.2.4 (11g)

## Essbase 11.1.2.4.036

Not supported: The use of environment variables defined at the operating system level are no longer supported in outline member formulas and calculation scripts.

## Essbase 11.1.2.4.018

Deprecated features:



The properties service.olap.dataQuery.grid.maxRows and

service.olap.dataQuery.grid.maxColumns in the essbase.properties file are deprecated. These properties, if defined in essbase.properties, do not have any effect on the grid result. The results of the grid are controlled by the QUERYRESULTLIMIT configuration setting in the essbase.cfg file on Essbase Server. With these changes, existing use cases that expect an error for the previous lower row and column limits set in Java API will not get an error unless the QUERYRESULTLIMIT limit is exceeded. With these changes, Provider Services Java API does not apply any limits against a previous version of Essbase.

#### Essbase 11.1.2.4.002

Not supported features:

- Delayed freespace recovery is no longer supported.
- MaxL statement: alter database recover freespace. Oracle recommends using the alter database force restructure statement.
- Configuration setting: DELAYEDRECOVERY

#### Essbase 11.1.2.4.000

Not supported features:

- Essbase Integration Services, including Hybrid Analysis and Advanced Relational Access.
   Many of the basic concepts of Hybrid Analysis and Advanced Relational Access have been folded into the functionality of XOLAP cubes in Essbase Studio.
- Visual Basic API. Oracle strongly recommends using the Essbase Java API. You can also use the Essbase C API.

Not supported configuration settings:

- PRELOADALIASNAMESPACE
- PRELOADMEMBERNAMESPACE
- PRELOADUDANAMESPACE
- MAXACTIVEUPDATETRANSACTIONS
- MAXTOTALACTIVETRANSACTIONS

#### Deprecated features:

- Direct I/O
- Block storage outline synchronization
- Outline change log
- Currency conversion applications and currency partitions
- Data compression types: zlib and none
- Linked partitions
- Essbase Administration Services Java API
- Network File System (NFS) protocol on Network Attached Storage (NAS) devices
- MaxL statements and grammar:
  - alter user statement only the add [to group] and remove [from group] grammar is deprecated
  - create group statement the entire statement is deprecated
  - create user statement the entire statement is deprecated



- display group statement only the all grammar is deprecated
- display user statement only the all grammar is deprecated
- drop group statement all grammar is deprecated except for from security\_file
- drop user statement all grammar is deprecated except for from security\_file

#### **Essbase 11.1.2.3**

## Essbase 11.1.2.3.507

Not supported features:

- MaxL grammar: alter database recover freespace. Oracle recommends using the alter database force restructure grammar.
- Configuration setting: DELAYEDRECOVERY

## Essbase 11.1.2.3.503

Not supported calculation command: SET FORCEPARALLELCALC. Consider using FIXPARALLEL instead.

## Essbase 11.1.2.3.500

Not supported configuration settings:

- VLBREPORT
- XOLAPENABLEHEURISTICS

# Essbase 11.1.2.3.000

Not supported functionality:

- Oracle Essbase Spreadsheet Add-in
- Data Mining
- The following C API functions are not supported with Essbase Studio drill-through.
  - EssGDTConnect
  - EssGDTRequestDrillThrough
  - EssGDTGetInfo
  - EssGDTSetInfo
  - EssGDTListReports
  - EssGDTExecuteReport
  - EssDTAPIGetError
  - EssGDTGetHeader
  - EssGDTGetData
  - EssGDTEndDrillThrough

Deprecated configuration settings:

- PRELOADALIASNAMESPACE
- PRELOADMEMBERNAMESPACE



#### **Essbase 11.1.2.2**

## Essbase 11.1.2.2.100

Not supported functionality:

- Starting Essbase Server in the foreground
- Windows Authentication for SQL Server

Not supported configuration setting: MEMSCALINGFACTOR

#### Essbase 11.1.2.2.000

Not supported configuration settings:

- HSSREGNAME
- INSTANCENAME
- NODENAME is completely replaced by ESSBASESERVERHOSTNAME, which serves all
  the purposes of NODENAME, as well as specifies the host name to which Essbase binds.
- SHAREDSERVICESLOCATION is no longer a valid setting. The necessary information is now centralized in the Oracle Hyperion Shared Services Registry.

Deprecated configuration setting: MEMSCALINGFACTOR

## Essbase 11.1.2.1

Deprecated configuration settings:

- HSSREGNAME
- INSTANCENAME
- NODENAME is completely replaced by ESSBASESERVERHOSTNAME, which serves all
  the purposes of NODENAME, as well as specifies the host name to which Essbase binds.
- SHAREDSERVICESLOCATION is no longer a valid setting. The necessary information is now centralized in the Oracle Hyperion Shared Services Registry.

# Essbase 11.1.1.4

Not supported feature: Reference cubes

Not supported Visual Basic API functions:

- EsbPartitionOpenDefFile
- EsbPartitionReadDefFile
- EsbPartitionWriteDefFile

Not supported configuration settings:

- CssSyncLevel
- CssRefreshLevel
- SharedServicesRefreshInterval

Not supported MaxL grammar:

- For the alter application MaxL statement:
  - sync user



- sync group
- sync all\_users\_groups
- For the alter group MaxL statement: all sync with all application
- For the alter system MaxL statement: resync sss
- For the alter user MaxL statement:
  - set type external with protocol MODULE-STRING identified by AUTH-PARAMETERS
  - sync security with all application
- For the create user MaxL statement: with protocol MODULE-STRING identified by AUTH-PARAMETERS
- For the display user system MaxL statement:
  - all shared\_services\_native with auto\_password
  - all migr modified access

#### Essbase 9.3.3

Not supported functionality:

- Security Synchronization between Essbase and Oracle Hyperion Shared Services
- Custom authentication using non Oracle Hyperion Shared Services-based LDAP or MSAD modules

Deprecated configuration settings:

- CssSyncLevel
- CssRefreshLevel
- SharedServicesRefreshInterval

Deprecated MaxL grammar:

- For the alter application MaxL statement:
  - sync user
  - sync group
  - sync all users groups
- For the alter group MaxL statement: all sync with all application
- For the alter system MaxL statement: resync sss
- For the alter user MaxL statement:
  - set type external with protocol MODULE-STRING identified by AUTH-PARAMETERS
  - sync security with all application
- For the create user MaxL statement: with protocol MODULE-STRING identified by AUTH-PARAMETERS
- For the display user system MaxL statement:
  - all shared\_services\_native with auto\_password
  - all migr\_modified\_access

Deprecated C main API functions:

EssGetMigrModifiedAccessUsers



- EssGetNewSSNativeEssbaseUsers
- EssReassignIdentity
- EssResyncSSSecurity
- EssSyncGroupWithApp
- EssSyncUser
- EssSyncUserWithApp
- EssSyncUsersandGroupsWithApps

