



Angles Hub

Release Notes

Version 23.3

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Contents

- Introduction** 3
- System Requirements** 4
 - Prerequisites 4
 - Server Computer Requirements 4
 - Client Computer Requirements 5
 - Angles Gateway Requirements 5
- Fixed Issues** 6
- What's New** 9
- Installing and Upgrading** 10

Introduction

This document provides information about the fixed issues, new features, and system requirements for installing and upgrading to Angles for Oracle-Views 23.3.

System Requirements

The system requirements for Angles for Oracle-Views are as follows.

Note: Make sure that you have the latest service packs and updates for Angles for Oracle-Views 23.3 and related products.

Prerequisites

The prerequisite for installing and using Angles for Oracle-Views 23.3 is Angles for Oracle-Views (Global forms of the views) of Version 6.6 or later.

Server Computer Requirements

The following table lists the hardware requirements.

Components	Recommended
Processor	Multiple processors or a single processor with multiple cores
RAM	16 GB
Disk Space	1-6 GB, depending on application size

The software requirements are as follows:

- **Microsoft Internet Information Services (IIS):** 10, 8.5, or 8.0
We recommend you enable Web Deploy and WebSocket Protocol in [IIS](#).
- **Web browser:** Google Chrome 79.0.3945.130 or later
- **Oracle client software:** Version 11.2 or later, including SQL*Plus and Oracle Data Provider for .NET (ODP.NET)

We recommend Oracle client software version 12C. The bitness of the Oracle client must match with that of the operating system. The TNS ADMIN environment variable must be set to the location of the `tnsnames.ora` file.

- **PostgreSQL Database:** [Version 13.4](#)
- **ASP.NET Core Runtime 6.0:** Go to <https://dotnet.microsoft.com/> > Downloads > All .NET Core downloads > ASP.NET Core Runtime 6.0.20 - Windows x64 Installer
- **ASP.NET Core Runtime 6.0:** Go to <https://dotnet.microsoft.com/> > Downloads > All .NET Core downloads > ASP.NET Core Runtime 6.0.20 - Windows Hosting Bundle

- Elasticsearch 6.8.22 (available as a part of the Angles Hub software installer)
Install a compatible Java (JRE) and make sure the environment variables (`JAVA_HOME` and `PATH`) are updated correctly to avoid installation issues.

Client Computer Requirements

The software requirements for Angles for Oracle-Views 23.3 are as follows:

- **Web browser:** Google Chrome 79.0.3945.130 or later
- **BI Tools:** Microsoft Power BI Desktop 2.79 or later, Tableau 2020.2.0 or later
- **Microsoft Excel:** Microsoft Excel 2019 or later

Angles Gateway Requirements

- Windows Server 2019, Windows Server 2016, Windows Server 2012 R2, Windows Server 2012, Windows 10, or Windows 8.1
- 64 bit
- **Free hard drive space:** 1.3 GB
- **Microsoft updates:**

Windows Version	Knowledge Base Article Number
Windows 8.1	KB4054519
Windows 10	KB4103723
Windows Server 2012 R2	KB4054519
Windows Server 2016	KB4103723

The Angles Gateway software must be installed by an administrator or a user with administrator rights.

Fixed Issues

The fixed issues in Angles Hub 23.3 are as follows:

Profile and LogOff icon

The alignment and color of some icons on the **Configure License** page were inconsistent.

[ANGO-2642]

PowerBI generated report template

The PowerBI-generated report template has an incorrect prompt for date parameters.

[ANGO-2688]

APG0_Checks

You were unable to add APG0_Checks as a join to any view.

[ANGO-2632]

Access Angles Hub through Simba

Users cannot access Angles Hub reports through Simba if they are not added as users and assigned a role in Angles Hub.

[ANGO-2517, 2518]

Simba authentication failure

The connection between A4O Hub and Simba Gateway was failing because the claims received from the Simba token had licenses related to Angles instead of Angles For Oracle.

[ANGO-2708]

Incremental refresh issues or PVO load issues

- While loading PVOs from Azure to the target database, through Angles Hub, an error message is displayed.

[ANGO-2591]

- While creating a package for the WOOperationExtractPVO table, an error message similar to the following is displayed:

"String data should be in correct format"

[ANGO-2568]

- Due to the column size restriction in BICC, you were unable to load some PVOs to the Azure and Snowflake targets.

[ANGO-2565]

- When you click the **Delete Data Capture** button, the changes are not deleted due to the mismatch in the table definition of main table and DD table.

[ANGO-2564]

- When you click **Force** button on the **Replication** page to capture changes, the changes were not captured.

[ANGO-2516]

- The replication packages were not regularly updated due to the failure of the incremental load.

[ANGO-2513]

- While creating a replication package, if the datatype of the PVO was Char, an error message was displayed.

[ANGO-2452]

- If a table's column count exceeded 1000, BICC would restrict access and not download the data file.

[ANGO-2501]

- When you try to create a replication package for Item Category, an error message is displayed.

[ANGO-2464]

- Due to the large size of the balance PVO, you were unable to load the complete data from the Balance PVO to the target database.

[ANGO-2520]

Tool tips on the Search page

The tool tips on the search page were not properly displayed.

[ANGO-2164]

Manifest file error

When you tried to create a replication package for any PVO, if the **Extract Datastore Metadata** flag was selected in the BICC, the manifest file error was displayed.

[ANGO-2436]

Business Views count on the Home page

Due to the large amount of data in the database, when you attempted to refresh the business views, the business views count was not updated and was displayed as zero on the **Home** page.

[ANGO-2411]

Access Angles Hub after the idle session

After the idle session, you can now successfully access Angles Hub without experiencing any errors.

[ANGO-2687]

PVOs returned zero records

Few PVOs have returned zero records during data extraction because they have null values in the PK columns for the varchar, numeric, and time stamp data types.

[ANGO-647]

What's New

The new features in Angles Hub 23.3 are as follows:

Enhanced Search page

The UI of the Search page is enhanced to locate and view reports faster.

[ANGO-2520]

Generate Azure reports

You may now generate Azure reports in any selected schema instead of using the default dbo schema.

[ANGO-2711]

Generate reports in direct query mode

You can now generate Snowflake reports for Power BI tool in direct query mode in addition to import mode.

[ANGO-2709]

License information updated automatically

In Angles Hub, the license information is now updated automatically without the need for manual intervention.

[ANGO-2710]

Power BI generator supports object model

Power BI Generator is enhanced to support object model for Analytics.

[ANGO-2674]

Installing and Upgrading

For instructions on installing and configuring Angles for Oracle-Views 23.3, see the *Angles Hub Installation Guide*.

You can upgrade to the latest version through the setup.

Make sure that your environment meets the system requirements for Angles for Oracle-Views 23.3.

For assistance, contact [Product Support](#) for help with installing Angles for Oracle-Views 23.3.