Magnitude™
an **insight**software company

Angles Hub

Release Notes

Version 23.1

March 2023

Contents

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Introduction

This document provides information about the fixed issues, and system requirements for installing and upgrading to Magnitude Angles Hub 23.1.

This document was released on March 2023. Please go to Article No. 000015854 (INFO: Documentation for Magnitude Angles Hub) on the Knowledge area of the Magnitude Support Community; an updated version of this document might be available.

We welcome your input on the quality, accuracy, and usefulness of this document. Please send your comments and suggestions to documentation@magnitude.com.

System Requirements

The system requirements for Magnitude Angles Hub 23.1 are as follows.

> ⚠ **Important:** Make sure that you have the latest service packs and updates for Magnitude Angles Hub 23.1 and related products.

Prerequisites

The prerequisite for installing and using Magnitude Angles Hub 22.4 is Magnitude NoetixViews (NoetixViews) (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

  > ℹ **Note:** 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)

  > ℹ **Note:** 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 3.1**: Go to https://dotnet.microsoft.com/ > **Downloads > NET Core 3.1 > All .NET Core downloads > .Net Core 3.1 > 3.1.19 > ASP.NET Core 3.1 Runtime 3.1.19** -Windows x64 Installer
- **ASP.NET Core 3.1- Windows Hosting Bundle**: Go to https://dotnet.microsoft.com/ > **Downloads > NET Core 3.1 > All .NET Core downloads > .Net Core 3.1 > 3.1.19 > ASP.NET Core 3.1 Runtime 3.1.19** -Windows Hosting Bundle Installer
- Elasticsearch 6.8.22 (available as a part of the Angles Hub software installer)

> ⓘ **Note:** 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 Magnitude Angles Hub 23.1 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

> ⚠ **Important:** The Angles Gateway software must be installed by an administrator or a user with administrator rights.

What's New

The new features and enhancements to Angles Hub are as follows.

New Features

Filter results by connection name

You can now quickly filter the business views and reports associated with a connection when multiple connections are configured. The Connection dropdown list lets you select a connection and retrieve business views and reports associated with that connection

[ANGO-1355]

Impact Analysis

You can now compare the Oracle Cloud application and the Magnitude NCA database to assess the impact to views, and replication packages during Oracle's quarterly upgrade. You can import public view objects (PVOs) using the **Import Metadata** page > **Generate impact analysis report only** button.

[ANGO-1544, ANGO-1690]

Foundational views

You can now view and customize foundational views as per your business requirements on the **Business Views** page.

[ANGO-2246]

Associate business views with multiple workspaces

You can assign business views to multiple workspaces for a user instead of allowing the user access to the full workspace and all of its individual business views and reports.

[ANGO-2168]

Support for CTE usage in SQL

With this release, we support common table expressions (CTE), allowing users to experience enhanced readability by choosing CTE over subqueries.

[ANGO-2211]

LOV Views

You can now associate LOV view with any column of a view.

[ANGO-2311]

Enhancements

Enhanced metadata modification

You can now quickly create or modify business metadata of the views or switch to other tabs without providing values for fields such as **Short Description**, **Long Description**, **Tags**, and **Business Flow** values on the **Overview** page.

[ANGO-1785]

Edit custom views

For an Oracle EBS connection, you can now edit existing custom views that were previously considered standard views by the application during metadata extraction.

[ANGO-2161]

Enhanced user interface

The Angles Hub application's user interface is enhanced to improve the user experience across the application. If you are an existing customer, you will notice the icons on the user interface appear in white on a green background in line with insightsoftware's brand guidelines.

Fixed Issues

The fixed issues in Magnitude Angles Hub 23.1 are as follows:

Synchronization for cross functional business views

When you try to deploy a cross-functional business view, the view deployment is successful, but the synchronization of the view with the NoetixViews Repository fails.

[ANGO-654]

Left or Right joins

For an Oracle EBS connection, while creating or modifying a business view, if you try to add right or left joins, an error message similar to the following is displayed: `"Object reference not set to an instance of an object"`.

[ANGO-1831]

Filter operators

For an Oracle EBS connection, while creating a report and adding filters, if you try to use the filter operators, such as **NotBetween**, **Like**, and **IsEqualsTo**, an error message is displayed.

[ANGO-1835]

Start the Angles Hub application

Despite installing the required prerequisites, while launching the Angles Hub, an error message similar to the following message was displayed: `HTTP Error 500.31 Failed to load ASP.NET coreruntime`

[ANGO-2014]

Incorrect display of business views and reports

When you switch connections and select **Tile** view, the number of business views and reports displayed is incorrect and does not match the number in the **Show Entries** box.

[ANGO-2084]

Deployed status

For an Oracle EBS connection, the **Deployed** status for custom views shows **True** despite being undeployed successfully.

[ANGO-2087]

APG0_BANK _Accounts

While creating a report for the **APG0_BANK _Accounts** business view, if you drag the **POG0_VENDOR_SITE_BANKS** business view to the **Reports** page, navigate to the **Sample Results** page, and save the report, an error message similar to the following was displayed:
```
Object reference is not set to instance of an object.
```

[ANGO-2095]

Excel Reports

- A base user was able to generate an Excel report but was unable to download it.
- When you try to open the report that you have generated using **Connectivity Mode** as **Template** and **BI Tool Type** as **Excel**, an error message was displayed.

[ANGO-2163, ANGO-2105]

Tooltips on the Search page

Tooltips are not properly displayed on the **Search** page.

[ANGO-2164]

Installing and Upgrading

For instructions on installing and configuring Magnitude Angles Hub 23.1, see the *Magnitude Angles Hub Installation Guide*.

You can upgrade to Magnitude Angles Hub 23.1 from version 7.1 or later through the setup.

Make sure that your environment meets the system requirements for Magnitude Angles Hub 23.1.

For assistance, contact Product Support for help with installing Magnitude Angles Hub 23.1.