



# Cube View Charts Content Block Guide

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**Block Version:** 2.0.0

**Minimum Genesis Version:** 2.0.0

**Minimum Platform Version:** 9.0.0

Jump to [Release Notes](#)

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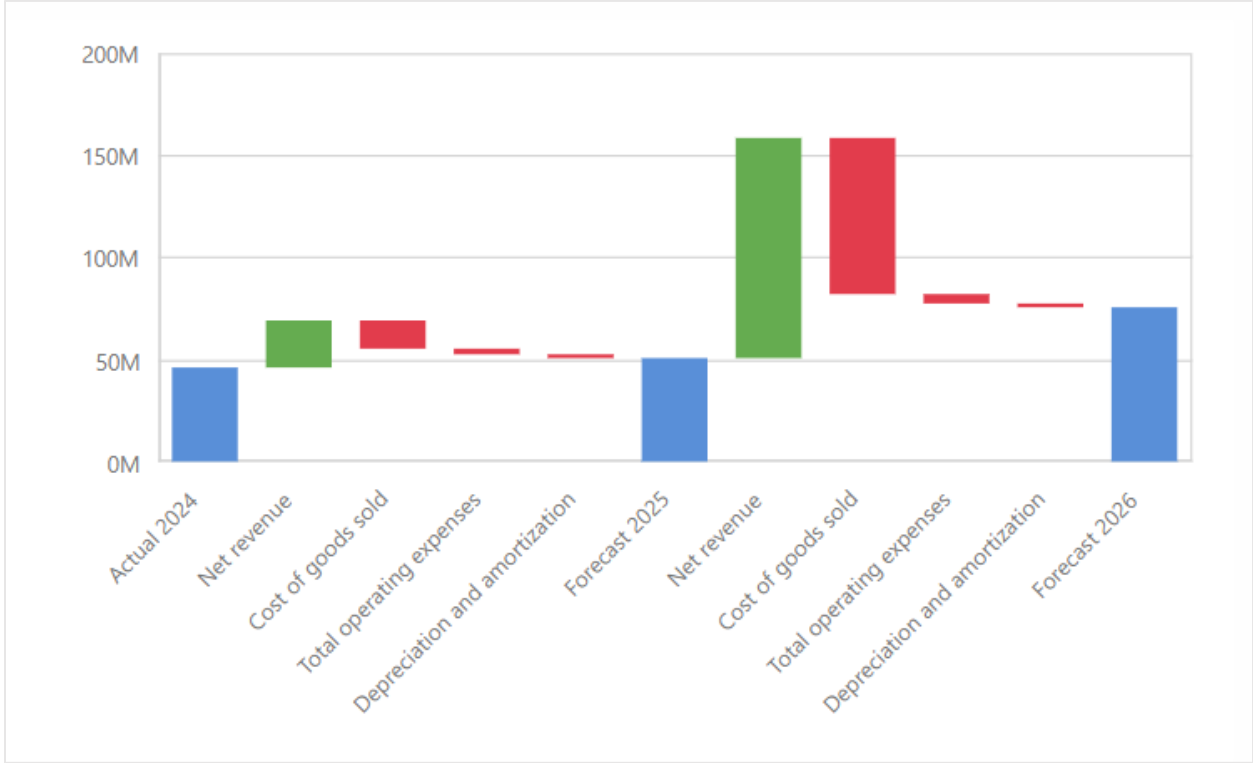
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# Overview

The Cube View Charts Content Block lets you configure a chart using an existing Cube View or custom Cube query. It offers a variety of chart options such as bar, line, pie or waterfall.

Cube View Charts are typically used in conjunction with another Content Block or Dashboard to provide comprehensive data visualization.



## Use Cases

- Use Cube data to create a chart and embed within another block or Dashboard

# Designer Page (Configuration)

After injecting the block, use the Designer page to configure it. Configuration settings will vary based on Chart Type and Source Type.

The image shows a configuration interface for a chart. On the left is a sidebar with various settings, and on the right is a large area for the chart preview.

**Chart Type**  
Bar

**Enter Title**  
[Empty text input field]

**Source Type**  
Existing Cube View [Add icon]

**Select Cube View** [Blue button]

**Series Type**  
Stacked

**Show Point Labels**  
 No  Yes

**Color Scheme**  
##FF5564FF,##FFFBCB99,##F

**Number Format**  
\$#,##0

**Swap Axes**  
 No  Yes

**Show Legend**  
 No  Yes

The main area on the right contains the text: "Select a Cube View or enter a Cube Query".

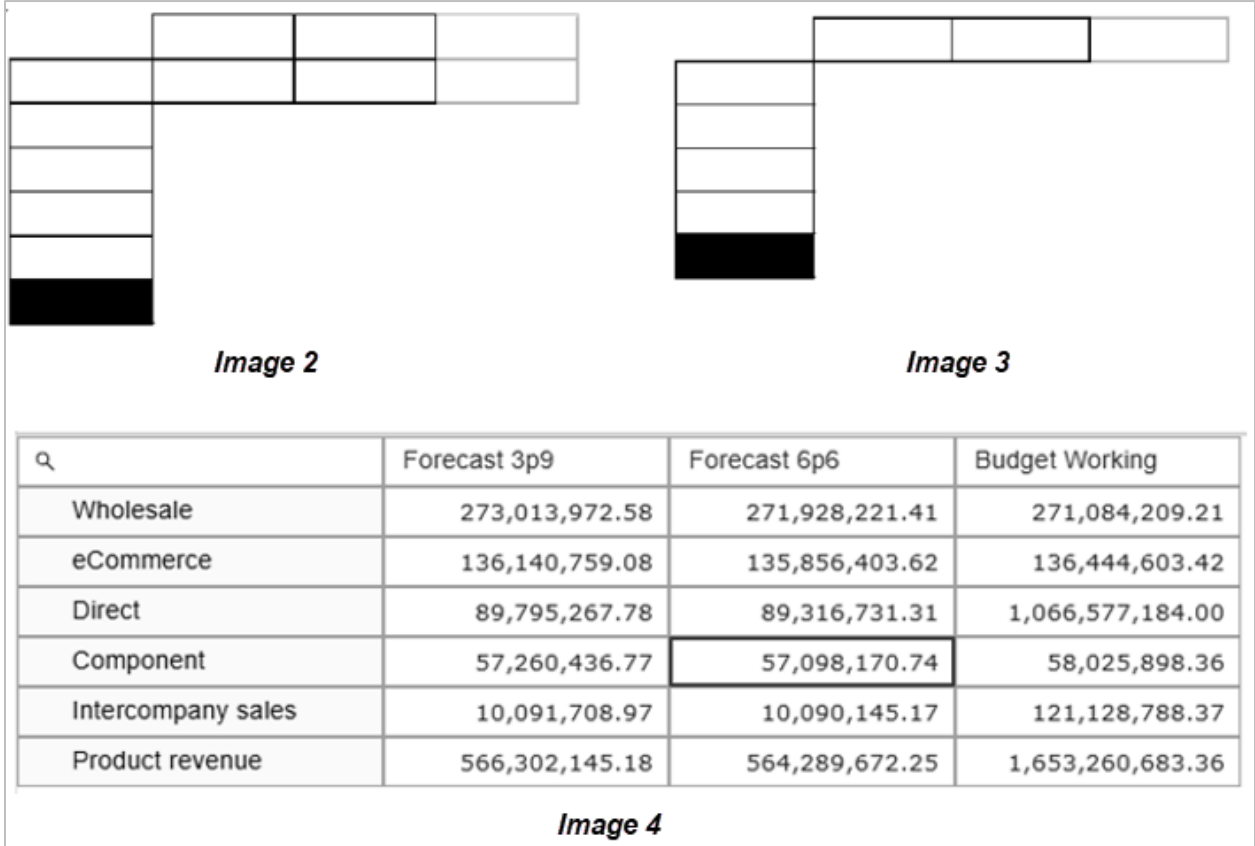
## Chart Type

Refer to Image 1 for the below chart types:



- **Bar charts:** stack, side by side, or full stacked bar charts.
  - All bar chart types require a single Dimension in the row and column definitions.
  - If there are nested Dimensions, the chart will only display the names from the outer Dimension.
  - For time-based analysis, time should be in the column.
- **Line Charts:** straight or rounded lines.
  - Requires a single Dimension in the row and column definitions.
  - For time-based analysis, time should be in the column.
- **Pie and Donut Charts:**
  - Pie and Donut chart categories are driven by the Dimension Members in the column set.
  - Multiple members in the row definition will create separate Pie/Donut charts.
  - For best results, create separate charts instead of using multiple rows.
  - You can adjust the Pie Hole Radius when using the Donut Chart Type.

Refer to images 2,3,4 for the Waterfall chart type:



- **Waterfall Charts:** illustrates how a value changed between a starting and ending point using a series of positive/negative values to categorize the changes.
  - **Columns:** Columns drive the comparison; this can be a single Dimension or two nested Dimensions. \*See Image 4
    - If you're using nested Dimensions in the columns, the description will only display the bottom Member. \*See Image 2
    - **Standard Waterfalls** support two columns of comparison: starting point and ending point. If there are more than two columns, it will use the first last ones. \*See Image 2
    - **Subtotal Waterfalls** support three columns of comparison: starting point, middle, ending point. You need to specify where the subtotal index falls. \*See Image 3
- **Rows:** contain the categories used for calculating changes.
  - The total should be in the last row.
  - OneStream automatically calculate the changes; manual calculations are not needed.
- **Scale Break Factor:** applying a scale break factor will automatically update the waterfall chart's display to the respective scale break value (1-5).

## Source Data

Source data is provided via Cube View or Cube query.

- **Existing Cube View**  
Browse and select a Cube View.
- **Cube Query**  
Enter the POV, Column, and Row values directly or click the *Member Filter Builder* button to build your filter.

Cube Query Example:

Q	Forecast 3p9	Forecast 6p6	Budget Working
Wholesale	273,013,972.58	271,928,221.41	271,084,209.21
eCommerce	136,140,759.08	135,856,403.62	136,444,603.42
Direct	89,795,267.78	89,316,731.31	1,066,577,184.00
Component	57,260,436.77	57,098,170.74	58,025,898.36
Intercompany sales	10,091,708.97	10,090,145.17	121,128,788.37
Product revenue	566,302,145.18	564,289,672.25	1,653,260,683.36

- **POV:**  
General starting point (similar to setting a Cube View's POV)

```
Cb#[EquipmentDivision]:E#EUS01:P#?:C#Local:S#Forecast3p9:T#2025:V#Periodic:A#41010:F#FLWTop:O#Top:I#Top:U1#CTop:U2#REGTop:U3#PRDTop:U4#CSTTop:U5#UD5Top:U6#UD6Top:U7#UD7Top:U8#RPTTop
```

- **Column:**  
Members used for data comparison points (start, middle, end). Comma separated list of Members; supports standard Member Scripts using colons.

```
S#Forecast3p9:T#2025, S#Forecast6p6:T#2025, S#BudgetWorking:T#2026
```

- **Row:**  
Members used for category calculations. Comma separated list of Members; supports standard Member Scripts using colons

```
A#41010, A#41011, A#41012, A#41013, A#41014, A#41000
```

**NOTE:** You can use Parameters in the Member Filter fields. This makes the chart results dynamic when used with other Dashboard content. When a user clicks a specific data cell or updates a filter, the chart will update along with the rest of the Dashboard.

**Dynamic based on Member Selection:**

- Parameters used in combo box/member selector.
- Use the same Member Parameter in the configuration scripts.

**Dynamic based on Selected Cell:**

- Use Default Navigation Links to specify which Dimensions this applies to.
- Default Navigation Links are enabled on the Cube View by setting the property to True.
- Bound Parameters are not supported.

**Parameter Syntax:** ~|ParameterName|~

**Default Navigation Links:**

~|CubeNavLink|~, ~|EntityNavLink|~, ~|ParentNavLink|~, ~|ConsolidationNavLink|~,  
~|ScenarioNavLink|~, ~|TimeNavLink|~, ~|ViewNavLink|~,  
~|AccountNavLink|~, ~|FlowNavLink|~, ~|OriginNavlink|~, ~|ICNavLink|~,  
~|UD1NavLink|~, ~|UD8NavLink|~

# Release Notes

## Version 2.0.0

This major release introduces block upgradeability further strengthening content development and management. This capability is foundational to how Genesis content will evolve going forward.

### Important Notes

Upgradeability is only available for blocks running version 2.0.0 or later. Existing blocks on version 1.x must be migrated to 2.0.0 first. This is a one-time process. See *Content Block Upgrade Path* below for migration details.

### Enhancements

#### Block Upgradeability

This block has been updated to fully support the new upgradeability framework introduced in Genesis 2.0.0. This ensures that the block can evolve over time without requiring pages to be rebuilt or configurations to be recreated.

The following capabilities are now available for all blocks at version 2.0.0 and above:

1. **Version Awareness**

Blocks now report their version and indicate when a newer version is available. Administrators can see at a glance which pages are running older versions.

2. **Compatibility Validation**

Each block now includes version-to-version compatibility rules. During an upgrade, Genesis automatically checks whether content and configuration can be safely migrated.

3. **Selective Upgrades**

Identify and select specific blocks to upgrade on specific pages.

4. **Configuration and Content Preservation**

Upgrades carry forward existing filter settings, parameters, and layout configuration. Pages do not need to be rebuilt.

**Important Note:** This feature is not retroactive. Blocks on version 1.x do not include the upgradeability framework. They must be migrated to 2.0.0 first. See *Content Block Upgrade Path* below for migration details.

## Platform and Genesis Compatibility

### Genesis Version Requirement

Blocks at version 2.0.0 are only compatible with Genesis 2.0 or later.

Do not inject a 2.0.0 block into a Genesis 1.x Instance. The block will not function, and the upgradeability features will not be available.

Minimum Platform Version	9.0.0
Minimum Genesis Version	2.0.0

## Content Block Upgrade Path

### One-time Migration: Moving an Existing Block to Version 2.0

This process applies only to blocks currently on version 1.x. Follow these steps once to bring your existing block up to version 2.0.

After completing this migration, future upgrades can be performed directly within Genesis and will not require content re-building.

1. Create a new page and set its visibility to Hidden.
2. Inject and configure the 2.0.0 version of the block on this page.
3. Verify functionality to ensure the block behaves as expected.
4. Hide the original page and make the new page visible.
5. After end-user confirmation, delete the original block and page.

### Why is this still required for 2.0?

Block upgradeability is functionality built into the 2.0.0 block itself. Blocks on version 1.x do not include this functionality and therefore cannot be upgraded in place. The steps above are the final time you will need to follow this process for this block.

### Upgrading from 2.0.0 to Future Versions

Once a block is running version 2.0.0 or later, upgrades are handled directly within Genesis. No page rebuilding or reconfiguration is required.

Refer to the [Genesis Guide](#) for more details on the block upgrade process.

## Version 1.3.0

The theme of this minor release is small bug fixes.

### Fixed Issues

- Resolved several issues when using Waterfall Charts:
  - The Flip Sign property is now available when using a Cube Query data type
  - Parameters are now supported in both Cube View and Cube Query data types
  - Changing the data type from Cube View to Cube Query no longer throws an error upon save

### Known Issues

- When building a Waterfall Chart and using the Cube Query data type, users must click Save twice to populate the Flip Sign property with its respective Members.

### Platform and Genesis Compatibility

- Minimum Platform Version: 9.0.0
- Minimum Genesis Version: 1.0.0

## Version 1.2.0

The theme of this minor release is to fix a small bug.

### Fixed Issues

- Unnecessary properties were showing for Bar, Pie, Donut and Line types.

### Platform and Genesis Compatibility

- Minimum Platform Version: 9.0.0
- Minimum Genesis Version: 1.0.0

## Version 1.1.0

The theme of this minor release is enhancements to existing functionality.

### Enhancements

- **Waterfall Chart Type Uses BI Viewer Waterfall Chart**

When using this block to create a waterfall chart, it uses the BI Viewer Waterfall Chart. This provides the ability to add a scale break factor and display the chart at the desired scale break.

### **Platform and Genesis Compatibility**

- Minimum Platform Version: 9.0.0
- Minimum Genesis Version: 1.0.0

## **Version 1.0.0**

This is the initial release of the block.

### **Platform and Genesis Compatibility**

- Minimum Platform Version: 9.0.0
- Minimum Genesis Version: 1.0.0