Anaplan

Success Central Webinar Series

The Home of Anaplan Scaled Customer Success

16 January 2025

Webinar FAQs

- This session is being recorded and will be sent to you ASAP upon wrapping the session
- Have questions? Utilize the Q&A feature on the Zoom toolbar OR simply use the “Raise Hand” ♂ feature and we will take you off mute
- Don’t hesitate to ask questions mid-presentation, we will try our best to accommodate them during the presentation

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Agenda

01 About Success Central

02 Text Concatenation

03 Q&A and How to Reach Success Central

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About Success Central

Launched in June 2022, Success Central aims to implement an innovative and scalable customer engagement journey through a suite of digital programs and various value-driven experience mechanisms.

01

Focused resources to drive higher-value engagement

02

Meet you where you are in your journey with us at Anaplan

03

Drive community engagement to nurture CoE levels of readiness for self-sufficiency

SUCCESS CENTRAL

Meet the Team:
Who We Are and What We Do

Business Partners

75+ years of collective experience in Customer Success

Our goal

Help you achieve your planning goals with Anaplan

Success Central’s Resources

Knowledge Base

This will be the single place to go whenever you have a question but aren't sure where to start. We've hand-picked resources, FAQs, common requests, and also have links to other self-serve resources you will find handy.

Events

We put on dedicated events in our Success Central Program to give you live interaction with Anaplan experts, customers, and partners in an office-hours style. Here you can learn about cutting edge best practices as well as get your burning questions answered.

Anaplan Community

The Anaplan Community is always here to help. Leverage our discussion platforms to get questions answered quickly, our Idea Exchange to get your voice heard on our product roadmap, join a local Community Group, and so much more!

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Text Concatenation

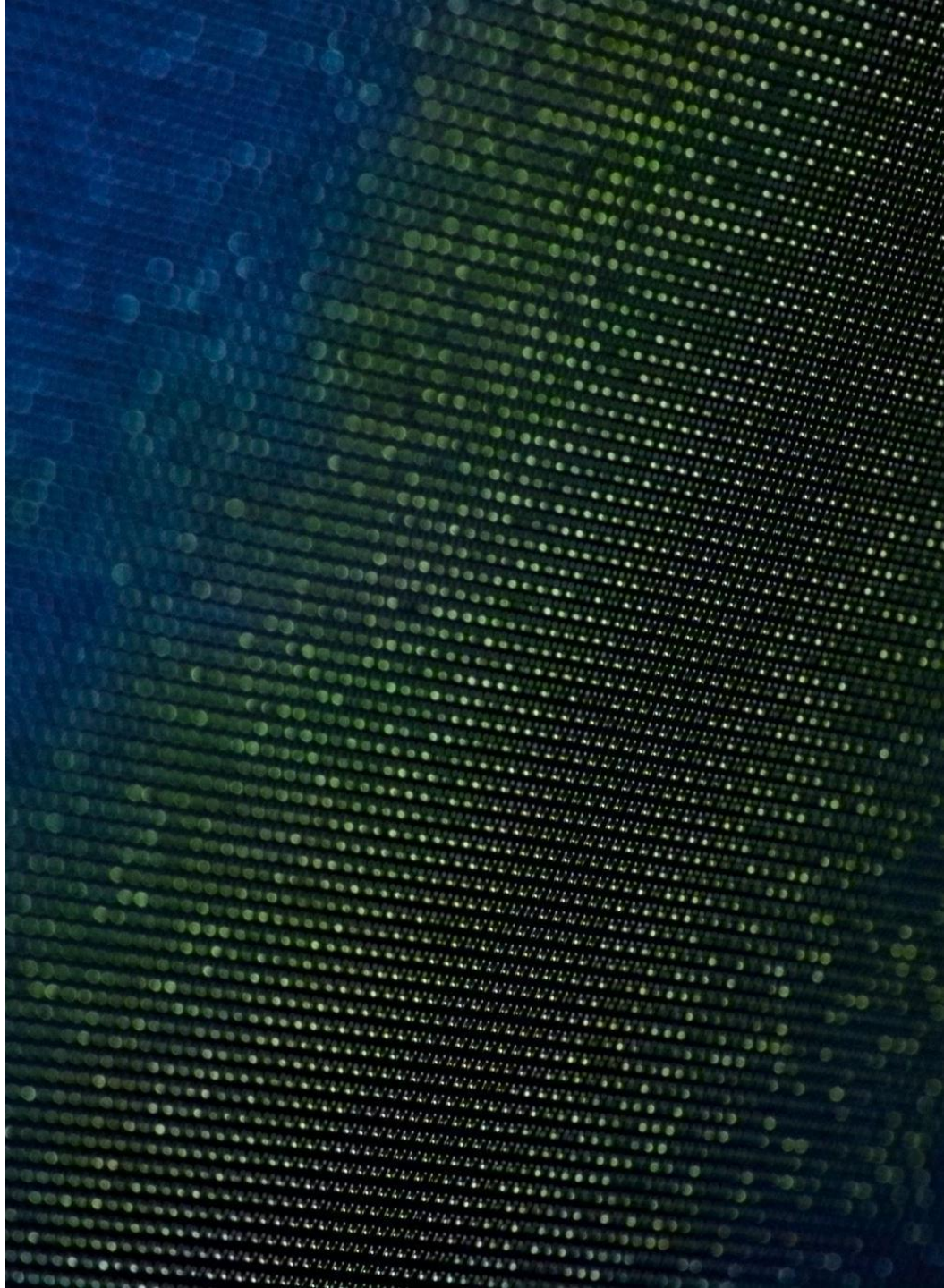
Rosa Eliza Dimaano
Model Performance Specialist,
Model Optimization

Introduction

Text Concatenation is a common cause of poor performance in Anaplan models.

Text usage impacts memory and computation efficiency.

Learn how to identify problematic text concatenation, and steps to improve it.



The Problem with Text Concatenation

Text requires more memory, causing poor performance and long model open times.

Frequent text concatenation impacts memory and computation efficiency.

Comparison details in 'Memory usage from text concatenation' article highlight issues.

Identifying Text Concatenation in Models

Manual inspection: Search the blueprint of the module and look for a line item with TEXT (“.”, “_”, “123456”, etc.) in your formulas.
Download the line items and search in the csv file.
Go to Modules and click "Export".
Click "Run Export".

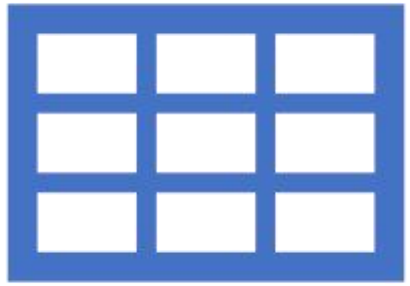
MAPs: this is a free report your BP can provide up to twice per month. It shows Best Practice checks which includes highlighting concatenated text occurrences.

Request **Model Optimization reports** through Hypercare Analysts or BPs, which analyze the models for best practices and Planual violations including Text Concatenate, as well as providing specific suggestions on how to improve slow formulas.

The Anaplan Approach: Improving Text Concatenation

Perform Te ion with the fewe ells.

Make use of IF ISBLANK() when joining text.



Split common to separate line items.

Use other data types instead of Text where possible (eg. List formatted / dates).

'DAT02 Shipping Metrics'.Shipping Product

Format: TEXT **Cell Count:** 424 **Summary:** NONE
Versions: Not Applicable **Time Scale:** Year **Time Range:** Model Calendar
Applies To: Shipping Methods, P2 Products

```
CODE( ITEM( 'P2 Products' ) ) & "_" & CODE( ITEM( Shipping Methods ) )
```

'SYS04 Product Details'.'Code P2 Products'

Format: TEXT **Cell Count:** 53 **Summary:** NONE
Versions: Not Applicable **Time Scale:** Not Applicable **Time Range:** Not Applicable
Applies To: P2 Products

```
CODE( ITEM( 'P2 Products' ) )
```

'SYS11 Shipping Methods'.Code Shipping Methods

Format: TEXT **Cell Count:** 4 **Summary:** NONE
Versions: Not Applicable **Time Scale:** Not Applicable **Time Range:** Not Applicable
Applies To: Shipping Methods

```
CODE( ITEM( Shipping Methods ) )
```

The Anaplan Approach: Improving Text Concatenation

Example 1: Add Text with fewer cell count

- In this example we can add the text "_" to the list with fewer cell count List. For this example "Shipping Methods" is smaller than "P2 Products"
- In Systems modules create line items for CODE(ITEM('P2 Products')) and CODE(ITEM(Shipping Methods)) .
- In the SYS11 Shipping Methods system module you can also perform the concatenation.

'SYS11 Shipping Methods'.Conca_Shipping Methods					
Format:	TEXT	**Cell Count:** 4		**Summary:**	NONE
Versions:	Not Applicable	**Time Scale:**	Not Applicable	**Time Range:**	Not Applicable
Applies To:	Shipping Methods				
"_" & Code Shipping Methods					

The Anaplan Approach: Improving Text Concatenation

Example 1: Add Text with fewer cell count

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- In Systems modules create line items for CODE(ITEM('P2 Products')) and CODE(ITEM(Shipping Methods)) .
- In the SYS11 Shipping Methods system module you can also perform the concatenation.

'DAT02 Shipping Metrics'.Shipping Product					
Format:	TEXT	**Cell Count:** 424		**Summary:**	NONE
Versions:	Not Applicable	**Time Scale:** Year		**Time Range:**	Model Calendar
Applies To:	Shipping Methods, P2 Products				
SYS04 Product Details'.'Code P2 Products' & 'SYS11 Shipping Methods'.Conca_Shipping Methods					

Reference the created 'Code P2 Products' and 'Conca_Shipping Methods' line items in the original 'Shipping Product' line item.

The Anaplan Approach: Improving Text Concatenation

Example 1: Add Text with fewer cell count

- Following Planual 2.02-05, prioritize creating "joins" at the smallest hierarchy.
  - By introducing an additional line item to handle text concatenation with fewer cell counts, you can effectively minimize memory usage and improve formula performance.
  - This approach helps eliminate unnecessary text components that strain memory and slow calculations, especially for line items containing thousands or even millions of cells.

'INV01 Inventory Ordering'.SKU Code Order Request

Format:	TEXT	**Cell Count:** 6,307		**Summary:**	NONE
Versions:	Not Applicable	**Time Scale:**	Not Applicable	**Time Range:**	Not Applicable
Applies To:	P3 SKU, s G3 Location:Distribution Center?				

```
'SYS08 SKU Details'.Code & "_" & 'SYS07 Distribution Center Details'.Code & "_" & "1" & "_" & "1"
```

'SYS07 Distribution Center Details'.Conca_Code Distri Center Details

Format:	TEXT	**Cell Count:** 17		**Summary:**	NONE
Versions:	Not Applicable	**Time Scale:**	Not Applicable	**Time Range:**	Not Applicable
Applies To:	s G3 Location:Distribution Center?				

```
"_" & 'SYS07 Distribution Center Details'.Code & "_1_1"
```

'INV01 Inventory Ordering'.Optimize_SKU Code

Format:	TEXT	**Cell Count:** 6,307		**Summary:**	NONE
Versions:	Not Applicable	**Time Scale:**	Not Applicable	**Time Range:**	Not Applicable
Applies To:	P3 SKU, s G3 Location:Distribution Center?				

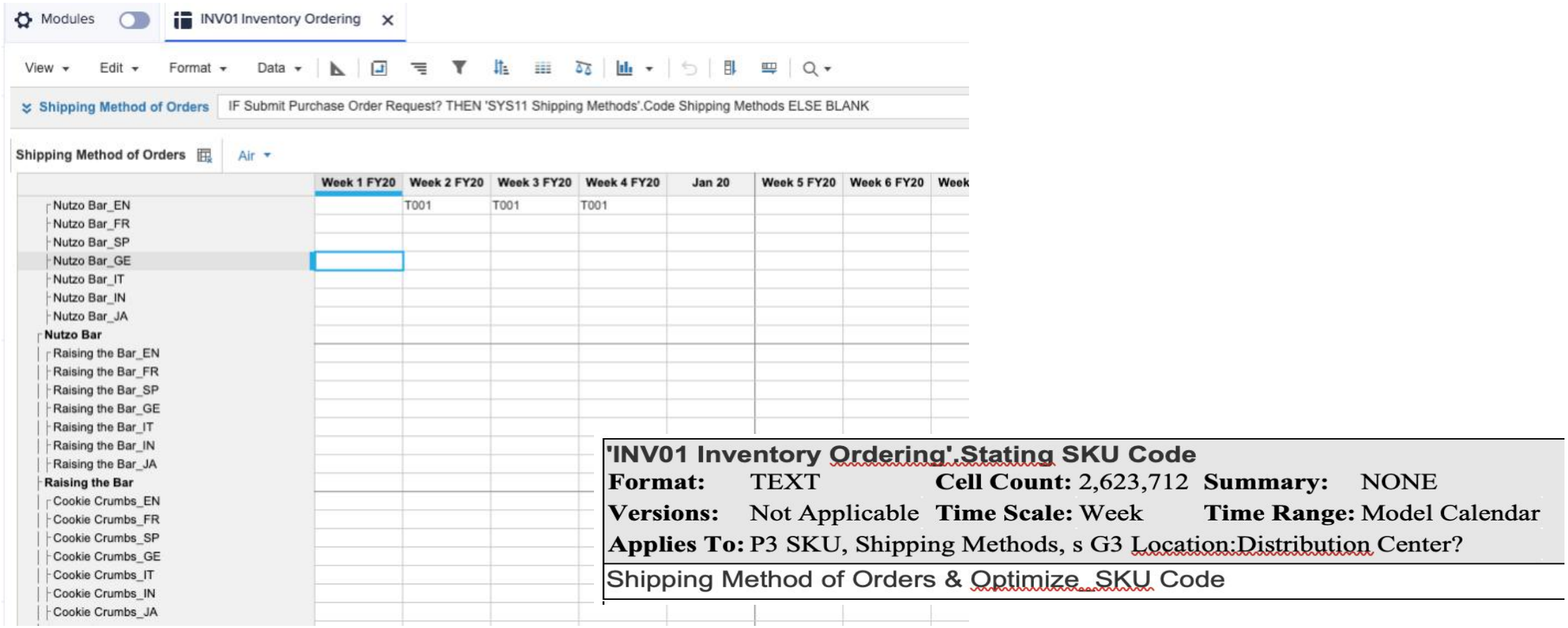
```
'SYS08 SKU Details'.Code & 'SYS07 Distribution Center Details'.Conca_Code Distri Center Details
```

The Anaplan Approach: Improving Text Concatenation

Example 2: Split common joins to separate line items

The example shows multiple joins of text. To minimize the use of memory we must try to avoid avoid multiple joins and split common joins to separate line items.

Note: If the Constant text like "_" always reference to different line items. It is suggested to create a System module.



The Anaplan Approach: Improving Text Concatenation

Example 3: Make use of IF ISBLANK() when joining text.

- The Shipping Method of Orders consist of Blank and it can cause memory use when it is joined with other text.

'INV01 Inventory Ordering'.Optimize_Stating SKU Code					
Format:	TEXT	**Cell Count:** 2,623,712		**Summary:**	NONE
Versions:	Not Applicable	**Time Scale:** Week		**Time Range:**	Model Calendar
Applies To: P3 SKU, Shipping Methods, s G3 Location:Distribution Center?					

```
IF ISBLANK( Shipping Method of Orders ) THEN
BLANK
ELSE
Shipping Method of Orders & Optimize_SKU Code
```

We set it Blank first for early exit from the formula, which supports the P (Performance) rule of PLANS.

The Anaplan Approach: Improving Text Concatenation

Example 3: Make use of IF ISBLANK() when joining text

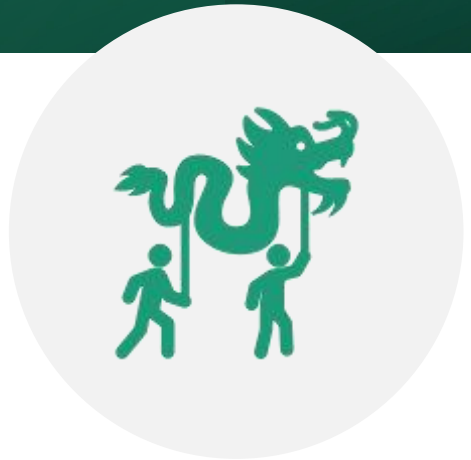
- Planual 2.02-04 highlights text strings as the least efficient data type, causing memory issues and poor performance. Use more efficient types like boolean, number, or date whenever possible.
- When concatenating text, apply **IF ISBLANK()** to handle empty strings by setting them to BLANK, reducing unnecessary memory usage. For instance, ensure **'Shipping Method of Orders'** is populated before validating **'Optimize_Stating SKU Code'** to improve performance.

Summary

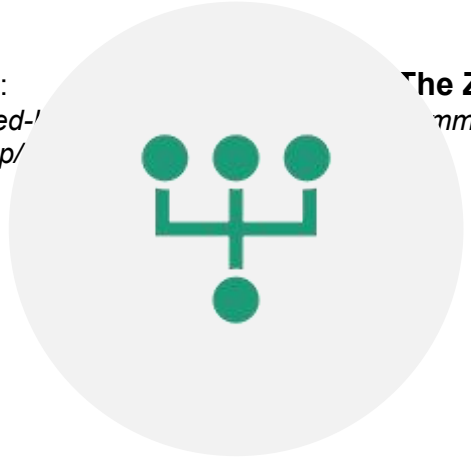
- Text usage can significantly slow down performance due to high memory consumption.
- Text concatenation should be optimized to use the fewest cells possible, and careful consideration is essential before utilizing text in formulas.
- For more details, refer to the article: Memory usage from text concatenation.

Resource Links

OEG Best Practice: PLANS:
https://community.Anaplan.Com/t5/shared-
practices/plans-this-is-how-we-model/ta-p/



The Zen of Anaplan: Ten Guidelines:
mmunity.anaplan.com/kb/articles/70775-the-zen-
of-anaplan



PLANUAL: Systematic set of standards for

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How to Reach Success Central

SUCCESS CENTRAL

SuccessCentral@anaplan.com

https://events.anaplan.com/successcentral

Join and network with peers:

SC Community page

Thank you!

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