Configuration & Tailoring – Supported through Upgrades to MAS and beyond



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# 

The asset management journey. Streamlined.



















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**IBM Champion 2024/2025** 



# Agenda

- Introduction / Background
- Organization Options
- Domains
- The importance of Relationships for Application Designer
  Changes
- Roles & Communication Templates
- Conditional Expressions / Conditional UI
- Reporting Library / Query Based Reporting Parameters
- Integration Object Structures
- Honorable Mentions

#### Introduction

- Maximo is delivered with tools to make it fit your use cases
  - -Enhancements over the years have expanded both core application and add-on's
  - -This session will focus on no code to low code options that will work in Maximo 7.6.x as well as Application Suite Manage 8.x+



# Why is Maximo So Big?

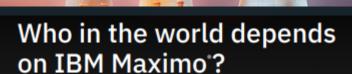


16 of th 24 largest automotive companies<sup>1</sup>

Watson IoT

IBM

Maximo manages the world's most asset-intensive organizations



Top organizations throughout the planet!1



10 of the 13 largest pharmaceutical companies<sup>1</sup>

#### **Calibration & Life**



10 of the 20 largest oil and gas companies<sup>2</sup>

#### Oil & Gas



5 of the 15 busiest shipping ports in the world<sup>1</sup>



9 of the 18 largest diversified utility companies<sup>1</sup>

#### **Utilities**



7 of the 10 major aerospace and defense companies<sup>3</sup>



14 of the 20 largest power generation utilities<sup>1</sup>

#### **Nuclear**



12 of the 20 largest power distribution utilities<sup>1</sup>

#### Linear



44.2 million rail travelers daily

#### **Transportatio**



9 of the 18 busiest airports in the world<sup>4</sup>

#### Who has the power of Maximo?

The most successful American electric generators and distributors!





#### Who's going places with Maximo?

Trains, planes and people on the move throughout the world!



# Here's why asset-intensive organizations choose Maximo:



5–20% reduction in downtime and material costs



Up to 10–20% improvement in labor utilization



# Organization Options – there may be too many

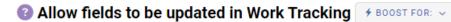
Work Order Options Work Type **Edit Rules** Other Organization Options Site Options Everyplace Work Query Opti... **Inventory Options** Item Options **Inventory Defaults** Reorder Inventory Costs Transfer Options Count Books Options

Crew Assignment Options Asset Options **Drilldown Options** PM Options Safety Plan Options **Purchasing Options** PO Options Contract Options Tax Options PO Labor Options

Invoice Options

Labor Options Service Desk Options Global Ticket Solution Option SLA Options Ownership Assignment Options Workflow Options Autonumber Setup System Level Set Level Organization Level Site Level

System Settings Delete Organization Add to Bookmarks Calibration Options Work Order - Other Organiza. Work Order - Edit Rules Associate Time Zone



Follow



Administration ×





Keith Henderson posted 08-04-2023 14:29

Good Afternoon

I know this is not best practice.

Is there a way to allow the asset and GL Acct fields to be updated after the work order has been set to in progress?

Currently they are read-only.

Thanks

I have this question too • 0

**ANSWER** 



Invading Moss posted 08-04-2023 17:07

Navigate to Organizations -> Select Action -> Work Order - Edit Rules, a dialog will open which allows you to configure the edibility of Asset, Location, GL account etc at various Work Order statues

Helpful • 0



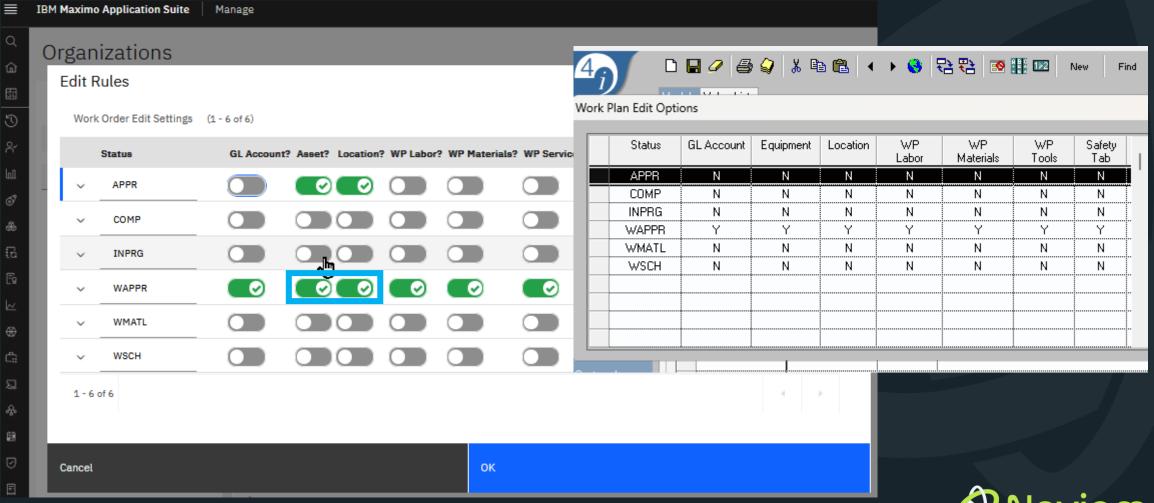
Keith Henderson posted 08-07-2023 09:01 Good Morning,

Thank you very.... much. Worked perfectly.

Helpful • 0

#### Maximo Edit Rules for consideration

 Need to insert / update the asset number when work is at INPRG? Change the default settings







Amy Tellier-Briggs posted 05-31-2023 08:04 Folks.

We are running Maximo 7.6.1.2. I have a technician that entered a -112.5 hour actual transaction that we need to get rid of. Problem is. he can't enter a +112.5 hour transaction to cancel it out because Maximo won't allow him to enter any more than 8 hours on a given day. Any ideas?

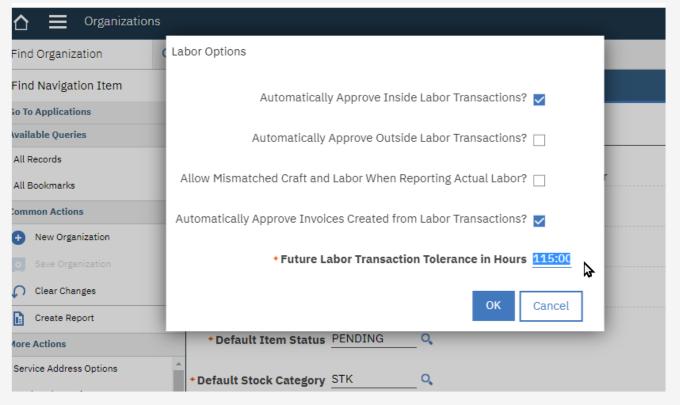
Thanks, Amy Briggs Jackson Laboratory



Christopher Winston posted 05-31-2023 08:50 Best Answer

Query Based Reporting - Runti...

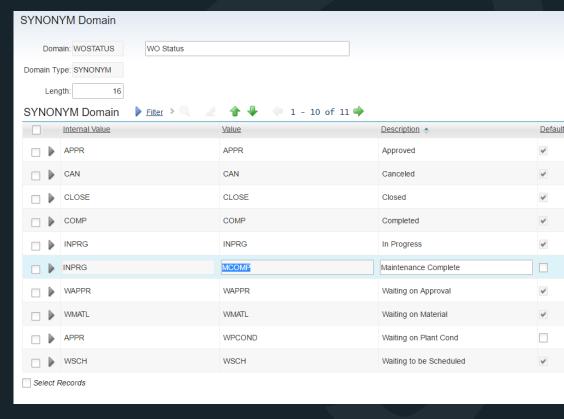
Technically this is ruled by the organization labor option setting for future labor transaction tolerance



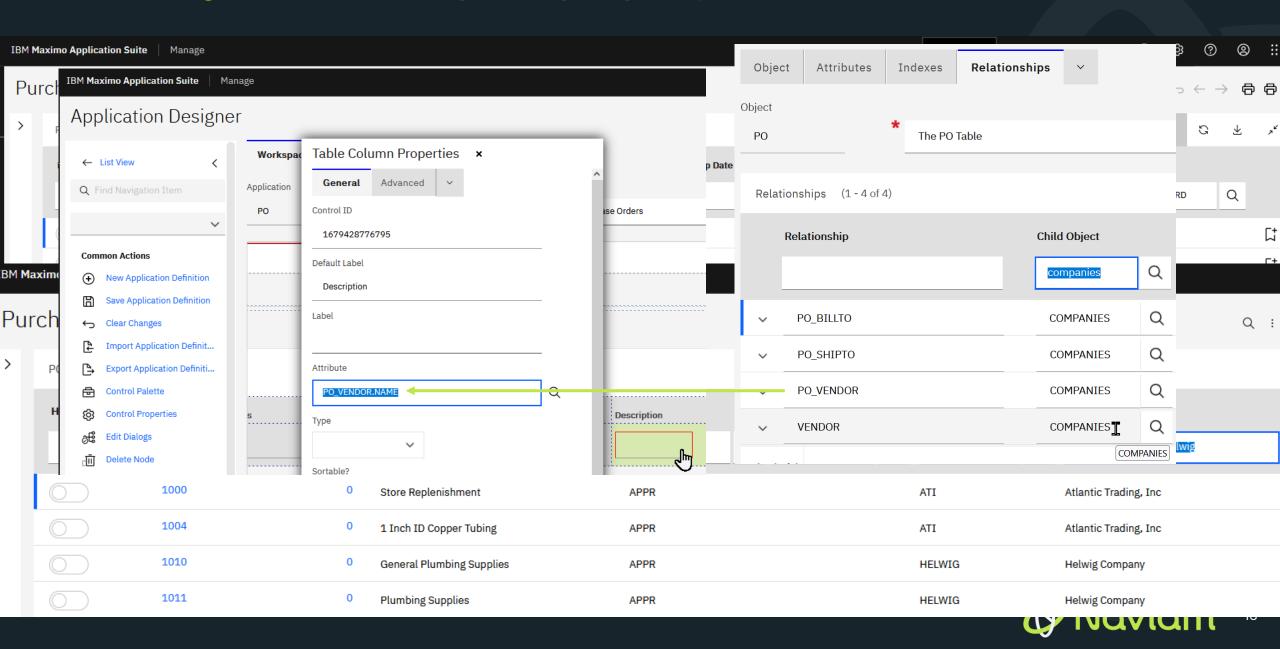
Change it to allow this transaction only, and then change it back after save. You should probably note this in your change control documentation as well in case it comes up on an audit, as you may not remember it was done.

# Domains – Many are delivered; and you can add more

- Over 400 in v7.6.x; Over 550 in v 8/9
- Example of a synonym domain to edit
  - -MCOMP (FCOMP) synonym of INPRG
- Priority Fields have no delivered domains
  - -Admin can add them
  - -Populate with locally approved values
  - -Attached to fields via db config
  - -They stay attached through upgrade

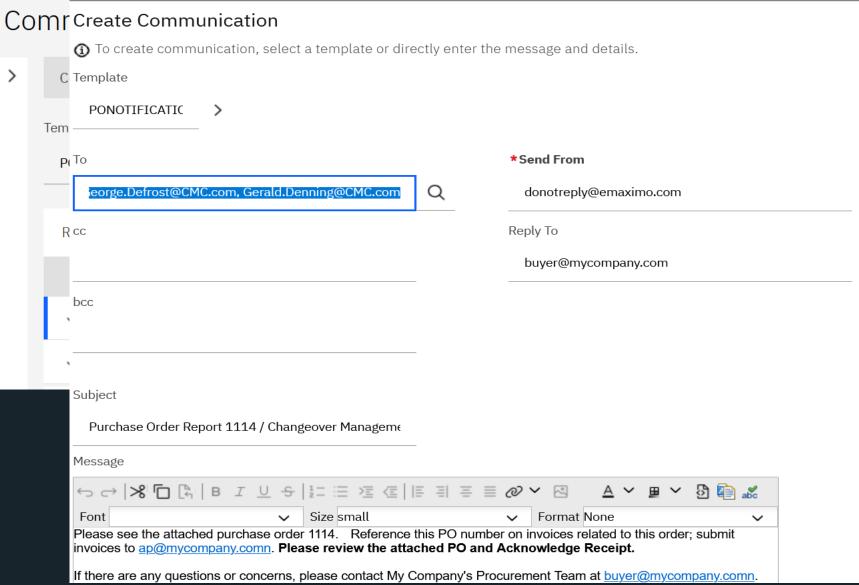


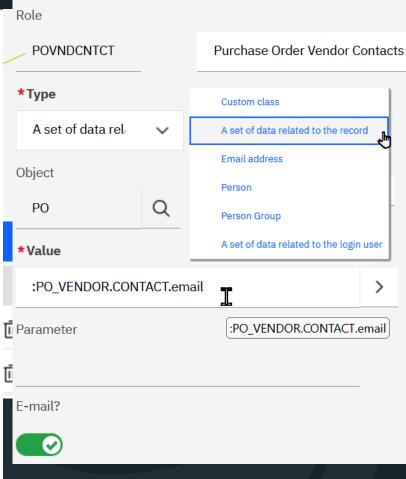
# Leverage Relationships to properly add attributes



# Roles & Communication Templates

• A role can extract emails from vendor / company contacts

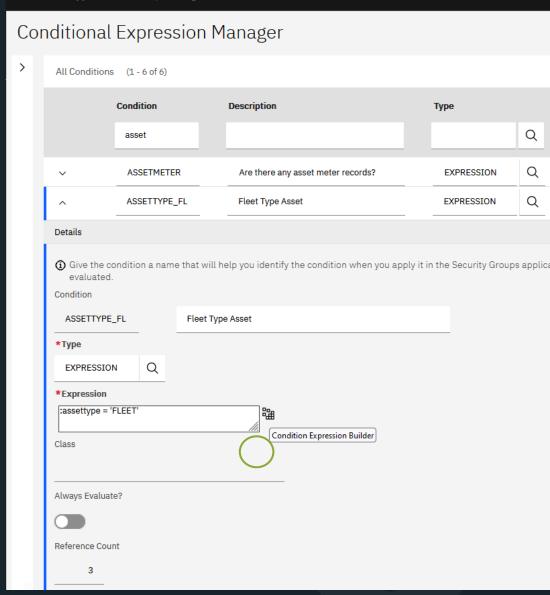






- Conditional Signature Options
- Global Data Restrictions for all users
- Global Data Restrictions for select security groups

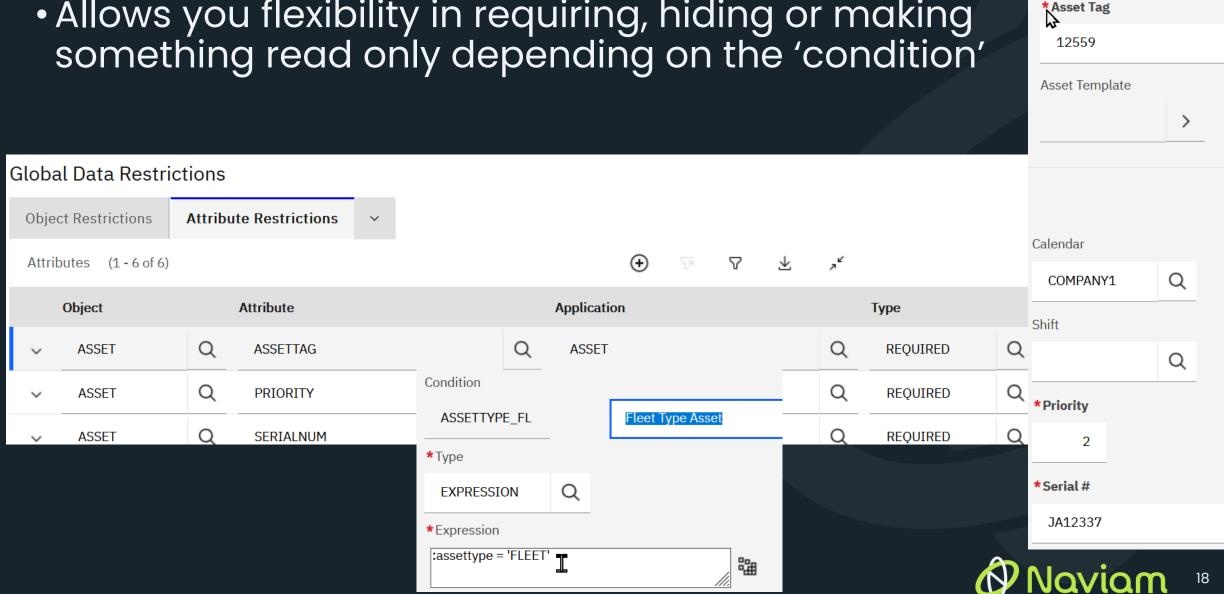
Decreases the need for cloning / duplicating applications to impose different requirements



IBM Maximo Application Suite

# Conditional User Interface (UI)

Allows you flexibility in requiring, hiding or making



Type

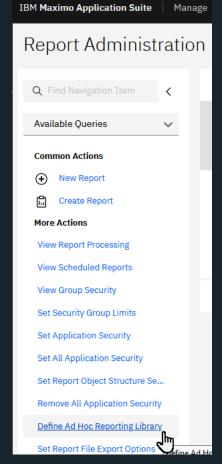
**FLEET** 

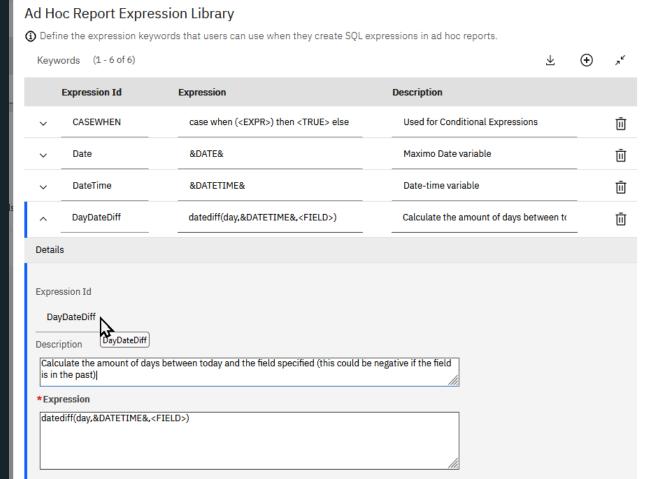
Q

## Add Calculations to the Report Library

 Query Based Reporting can be enhanced with additional calculation expressions by adding them to the library

Confirm the syntax is correct and be sure to test and re-test before adding to production





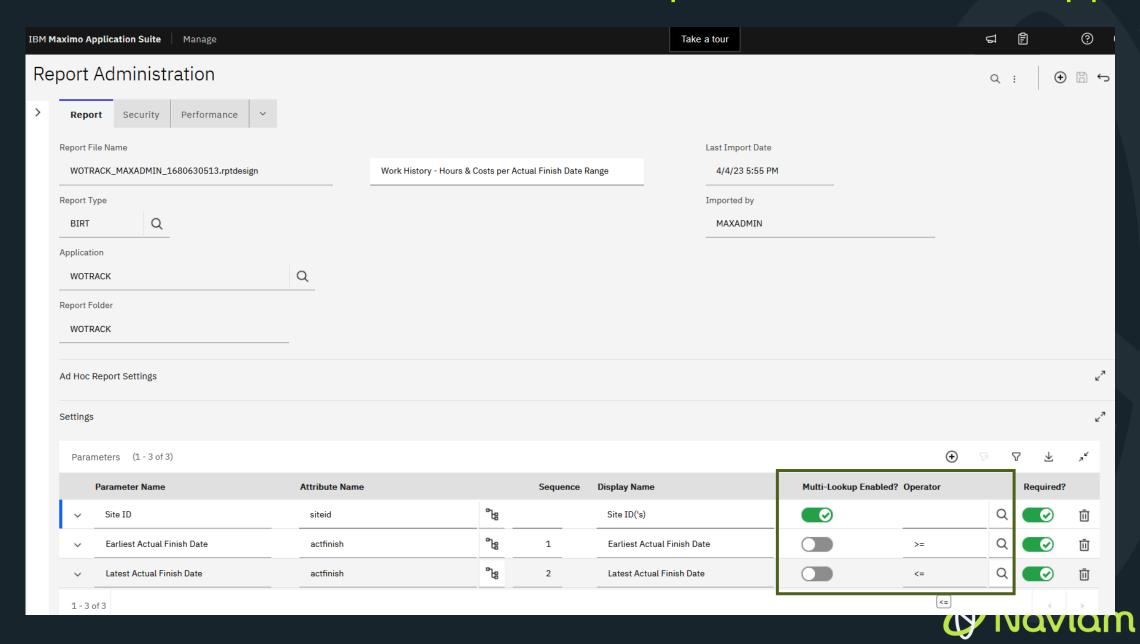


## Query Based Reporting – Add Runtime Parameters

#### How is this done?

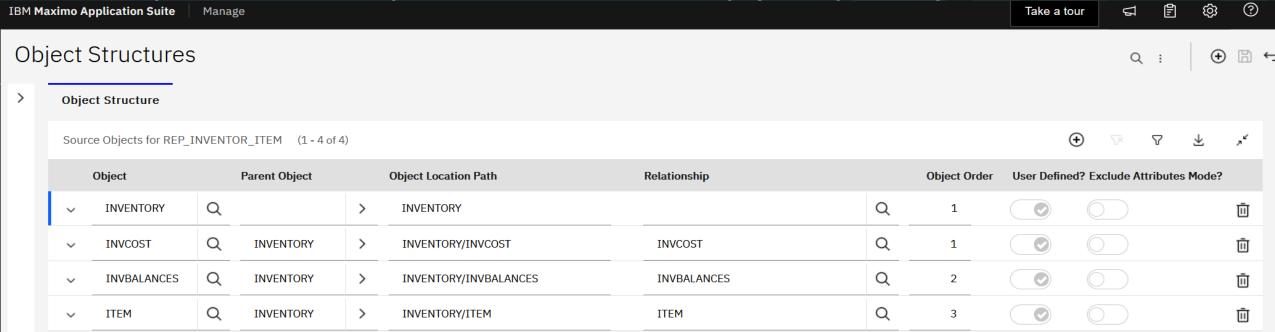
- Create and Save QBR
- In Report Administration, add Parameters
- Set Attributes as needed
  - -For Dates, remember to enter Earliest and Latest parameters to allow for date range
  - -Enter a display name so that the user can tell the difference between fields
  - -Set operator as needed (>= for Earliest / <= for Latest/ etc.)
  - -Add the lookup as needed (datelookup, site, etc) to simplify usage
  - -Save and then click on 'Generate Request Page' (if required)
- Resulting QBR may also be run from Start Center

# QBR - Add Runtime Parameters - Report Administration App



# Integration Module – Object Structures

- Should be used for:
  - Start Center Results Sets
  - -Query Based Reporting
  - -Work Centers (7.6.x) / Role Based Applications (MAS)
- Be careful with changes to object structures
- Prepare to use Object Structure Security (Templates)



#### Honorable mentions

# Cron Tasks

- •KPICronTask generates data point System Properties
- \*mail. \* configure email for send / receive

PM Help to Bookmark

https://tinyurl.com/MaximoPMHelp (7.6.x) https://tinyurl.com/PMManage (8.x)

•Maximo 8 Navigation for the 7.6 user:

https://youtu.be/CfF8C69IA0Y



#### **Useful Reference Links**

- ORG Setting Level: <a href="https://www.ibm.com/docs/en/mam/7.6.0?topic=pms-limitations-when-setting-up-options-in-organizations-application-1">https://www.ibm.com/docs/en/mam/7.6.0?topic=pms-limitations-when-setting-up-options-in-organizations-application-1</a>
- Conditional UI: <a href="https://www.ibm.com/support/pages/four-ways-using-conditional-expressions-maximo">https://www.ibm.com/support/pages/four-ways-using-conditional-expressions-maximo</a>
- SQL Reference: https://www.techonthenet.com/sql\_server/index.php
- System Properties: <a href="https://www.ibm.com/docs/en/mam/7.6.0?topic=reference-system-properties">https://www.ibm.com/docs/en/mam/7.6.0?topic=reference-system-properties</a>
- Domain Types: <a href="https://www.ibm.com/docs/en/mam/7.6.1.1?topic=overview-types-domains">https://www.ibm.com/docs/en/mam/7.6.1.1?topic=overview-types-domains</a>
- Ad-Hoc reporting library file (xls): <a href="https://tinyurl.com/AHRptLib">https://tinyurl.com/AHRptLib</a>
- Runtime Parameters for QBR: <a href="https://youtu.be/RF9Udi3qyd0">https://youtu.be/RF9Udi3qyd0</a>
- Generate your ERD: <a href="https://tinyurl.com/GenerateERD">https://tinyurl.com/GenerateERD</a>

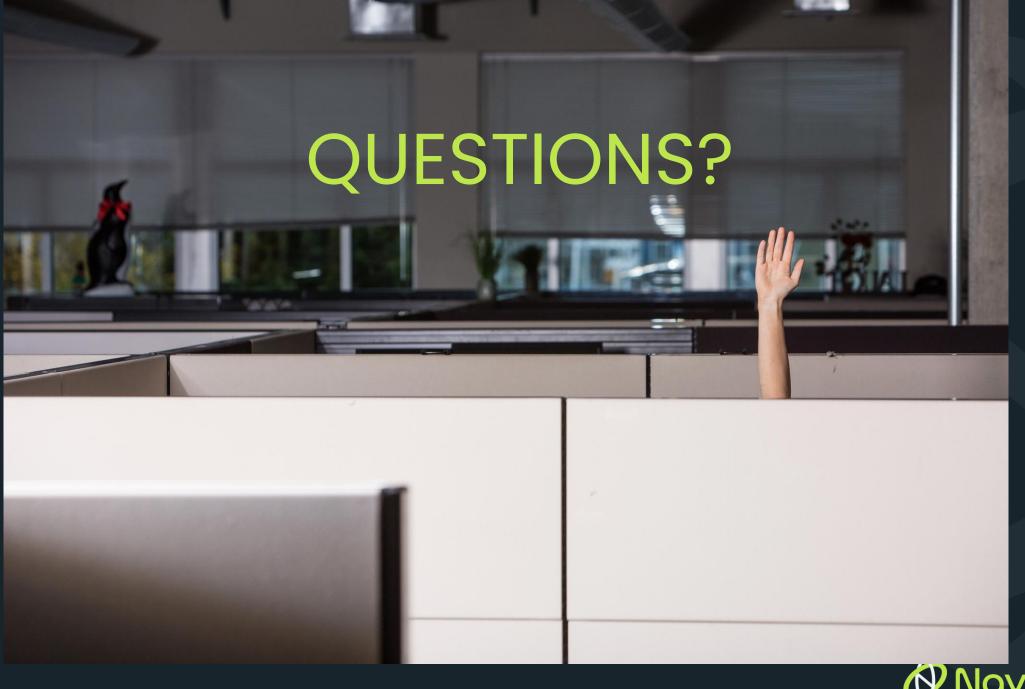


#### **Useful Reference Links**

- Application Configuration Best Practices: <a href="https://tinyurl.com/AppConfigBPs">https://tinyurl.com/AppConfigBPs</a>
- Relationships for use in Application Designer:

https://tinyurl.com/UseRelationshipsInAD

- Understanding Search Methodologies: <a href="https://tinyurl.com/SearchMethodologies">https://tinyurl.com/SearchMethodologies</a>
- Configuring Search Methodologies: <a href="https://tinyurl.com/ConfigSearchMethods">https://tinyurl.com/ConfigSearchMethods</a>
- Object Structures for Work Centers: <a href="https://tinyurl.com/WCObjStruct">https://tinyurl.com/WCObjStruct</a>
  - Object Structure Data Restrictions: <a href="https://tinyurl.com/OSDRMas">https://tinyurl.com/OSDR7p6x</a>
- Org setting blogs:
  - -Work Orders: <a href="https://www.naviam.io/resources/blog/organization-options-work-orders">https://www.naviam.io/resources/blog/organization-options-work-orders</a>
  - -Inventory: <a href="https://www.naviam.io/resources/blog/organization-options-inventory">https://www.naviam.io/resources/blog/organization-options-inventory</a>
  - -Purchasing: https://www.naviam.io/resources/blog/organization-options-purchasing
  - -Others: https://www.naviam.io/resources/blog/organization-options-others



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