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On Technical/
Customizing EnterpriseOne

Creating Work Order History using Table Triggers

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E1 ***Editor's Note:*** *Wouldn't it be nice if there were such a thing as Work Order History, and you could see what changes have been made to your work orders, and solve mysteries, like who's been making these changes? While there might not be an exact equivalent to Sales Order History in JDE, Jeff Saenz has a nifty solution to help you see who has been in your work orders and what they're doing. He discusses the components you'll need to create this inquiry, and the minimal coding that will pull it all together.*

Introduction

EnterpriseOne has a pretty handy way to keep track of the changes made to your Sales Orders: Sales Order History. You can see changes in status, quantities, prices, dates, and who made the change on what date and time.

History plays a key part in troubleshooting how an order was changed. One of the first places I look when a user reports an issue with an order is in the history.

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Now, since you're able to create Work Orders from Sales Orders, it would make sense to have changes to Work Orders tracked in a history table as well. Unfortunately Work Order History doesn't exist; as least through version 9.0. Fortunately, I was able to come up with an alternative solution to meet this need.

In this article, I will discuss how you can create the components needed to track Work Order history with minimal coding. Once the coding is complete, all you need to do is add a single line of code to a table trigger to start capturing the Work Order history you've been missing. Once you've finished developing and deploying these objects, you will finally be able to see how your work order mysteriously got completed before it actually was.

Let's take a look at a specific scenario to see how the work order history inquiry would help solve such a "mystery". In our example, John Smith has finished printing his Work Order which advances it to a 70 status. John goes back in to view the order and notices the Work Order has already been completed without his knowledge. At the end, we'll be able to see "who dunnit".

Creating the Application

To create the following objects, we'll assume that the reader is familiar with Form Design Aid, Table Design Aid, and Business View Design Aid. If you've never worked with table triggers, this will be a good start for you.

Step 1: Create Work Order Audit Table

Before you actually create the table, you'll need to decide what columns you'll want to include in it. The types of work order changes you want to capture will dictate the size of your table. To make this example manageable, we will include the columns that will make each record unique and some of the more commonly used columns.

1. Create a new table name F584801A (Work Order Audit Table) like the one shown in Figure 1.

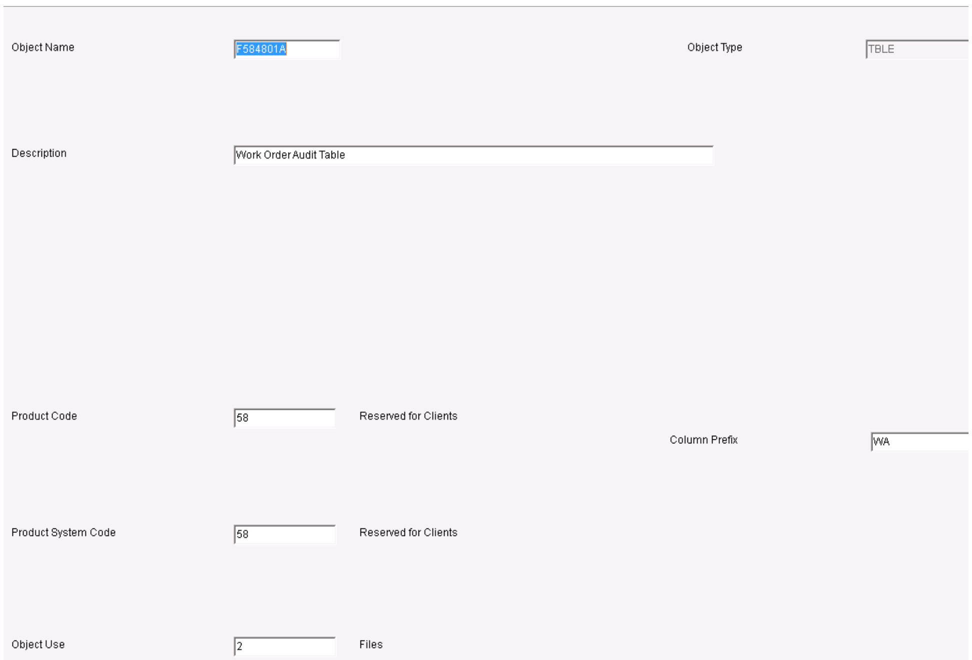

Figure 1: Create F584801A Table

2. Add the following columns to the table:

- DOCO (Document Number)
- DCTO (Document Type)
- CREATEDJ (Create Date – Work Order Audit Record)
- CREATETM (Create Time – Work Order Audit Record)
- RCTO (Related Order Type)
- RORN (Related Order Number)
- SFXO (Order Suffix)
- DL01 (Description)
- MCU (Business Unit)
- MMCU (Branch)