



User Defined Objects

Administration & Security Overview

By Cindy Grim

E1 Editor's Note: If you have questions about UDOs (like, 'What the heck is a UDO?') and how to manage and secure them, this article will bring you up to speed on the subject. Cindy does a fantastic job of helping us get a better understanding of what User Defined Objects are (they're very cool!), the different UDO types, where they're stored, and so much more!

Introduction

User Defined Objects (UDOs) have been around for several years, and yet I still get frequent questions regarding administration and security of UDOs! In this article, we will review User Defined Objects (UDOs), then jump into how to secure and administer those UDOs. The goal is to give you an understanding of UDO types, how security is applied to UDOs, and how to manage your UDOs.

What are UDOs?

UDO is short for User Defined Object. User Defined Objects are personalized objects created by you, the user, utilizing the JD Edwards EnterpriseOne web interface. Given the proper security permissions, you may use existing UDOs, create new UDOs, request to share UDOs you have created, modify existing UDOs, or delete UDOs. Development skills are not required to create or manage UDOs. UDOs are the no-code solution to many of the coding modifications organizations used to have to manage and retrofit with each software update.

UDO Types

Figure 1 lists and gives a brief description of each UDO type.

UDO	Minimum Release	UDO Description
Composite Application Framework	CAFE1 – Apps 9.0, Tools 9.1.3 Related Information Application Framework – Tools 8.98.4	Composite Application Framework is a user interface framework which enables you to integrate JD Edwards applications with one or more other JD Edwards applications and/or third-party applications. No software development skills are necessary to create a CAFE1 object.
Pages	Apps 9.0 Classic –Tools 9.1 Composed –Tools 9.2.0.2	JD Edwards EnterpriseOne (E1) Pages may be created as either a Classic Page or Composed Page. Classic Pages are created utilizing HTML. Composed Pages are created using the Page Composer which provides you with a drag and drop layout editor to design your pages.
Search Groups	Tools 9.2.1.2	Search Groups are utilized by the JD Edwards Search feature. You define the search criteria a Search Group will use when searching across master or transactional data within JD Edwards.
Grid Format	List View – Apps 9.0, Tools 9.2.0.5	Grid Formats allow you to choose which columns are visible, the order of the columns, as well as how the information is displayed in the grid. Table View and List View display options are available.
Form Extensions	Tools 9.2.2.4 (Query Only) Tools 9.2.3 (Edit Forms)	Form Extensions give you the ability to add available business view columns not already used to the header and grid areas of a form without the use of the development tool Form Design Aid. Beginning with Tools 9.2.3.3, you can launch orchestrations and with Tools 9.2.4.4 you can add row and form exits.
Images	9.2.0.2	Images are graphics you can add for use in the Designer Pane of the Page Composer.
Notifications	9.2.2	A Notification is created within the JD Edwards Orchestrator Studio. A Notification is used to have the system notify you when business events happen within the JD Edwards system.
One View Reports	Apps 9.0, Tools 9.1.3.3	One View Reports provides you the ability to create and run reports directly in JD Edwards inquiry applications. Reports may include charts and graphs and run against E1 transactional data.
Orchestrator Components	IOT Orchestrator: Tools 9.1.5.5 Orchestrator Studio: Tools 9.2.0.2	Orchestrator Components consist of the orchestration, service request, logic extensions, rules, cross reference, whitelist, and schedules. These components make up a complete orchestration and each is a separate UDO Type in JD Edwards.
Form Personalization	9.2.1	Form Personalization provides you the ability to hide, reposition, and resize fields and controls, modify field labels and change tab sequence on a JD Edwards application form without requiring the use of the development tool Form Design Aid.
Queries (Enhanced Queries)	Enhanced Queries: Apps 9.0, Tools 9.1 Limited Save Query functionality available beginning with Apps 8.11	Enhanced Queries allow you to create and save filter criteria based on typical operands (=, !=, >, <, >=, <=, in list, between, etc.) within a browse form.
One View Watchlist	Apps 9.0, Tools 9.1.3	One View Watchlists provide Manage by Exception functionality by utilizing the filter criteria defined in a given Query to create a collection of records. The count of the collection of records is presented as an alert in the Watchlist dropdown menu in the JD Edwards banner area or in the Watchlist Pane of a Composed Page.
Schedules	Tools 9.2.2	A Schedule is created within the JD Edwards Orchestrator Studio. You define the frequency at which a Notification or Orchestration is executed when you create a Schedule.

Figure 1: UDO Types

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