JDEtips

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Security History for EnterpriseOne

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E1 *Editor's Note: Okay, who's been messing around with my User ID? How come my Role seems to be different? Or: My Password doesn't work; should I be cleaning out my desk? No? Boss say's you're okay? Then you'd better find out who changed your security settings. But how? Mike Wright shows us the way by giving us a tour of the Security History functionality – how to set it up and get it started, how to use it, and how to manage and purge the data.*

One of the built in features of the EnterpriseOne® software that some people are not aware of is the ability to generate and accumulate security history information. It is a very useful feature that can track a number of things but you have to know how to activate it and also manage it so that you don't generate excessive and sometimes unnecessary amounts of data.

The following areas will be addressed:

1. Setting up Security History

2. Using the Security History Application

3. Creating Custom Audits

4. Purging Security History Records

Setting up Security History

On a lot of systems, security history is turned off by default. You might not even have the entry in your server jde.ini file. To turn it on, go to your server jde.ini file that functions as your security server. If you have
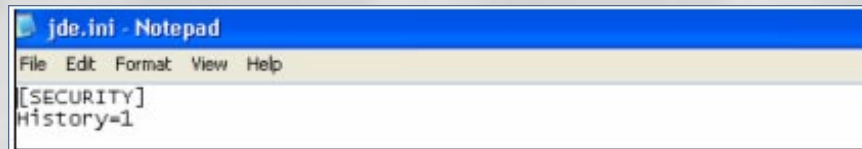

Figure 1 - Server jde. Ini

auxiliary security servers as well, you will want to modify their jde.ini files also. Once you are in that file you will want to either add or modify a line in your Security section. Figure 1 shows this line.

If you already have a History line in your Security section, then make sure it is set to a value of 1. 0 means that it is turned off. You can toggle this back and forth between 0 and 1 as many times as you like but it will not take effect each time until your EnterpriseOne services are restarted on that server. If you do not have the History line, then just add it as you see in Figure 1.

Once this value has been added or turned on, the next time your EnterpriseOne services are started or re-started, records will begin to be written to the security history table, F9312. It is located in your System

data source. Please keep in mind that this will write a lot of records very quickly, but later in this paper I will show you how to manage this file.

Using the Security History Application

Once you have the security history turned on, you can view the records in this table with an inquiry application called Work with Security History. If you run Work with User Security, P98OWSEC, and go to the form exits, you will see the screen in Figure 2.

The Security History Form exit will take you to Work with Security History as seen in Figure 3.

This application is built with a view that combines the security history table with the user profile table (F9312 and F0092). Before looking
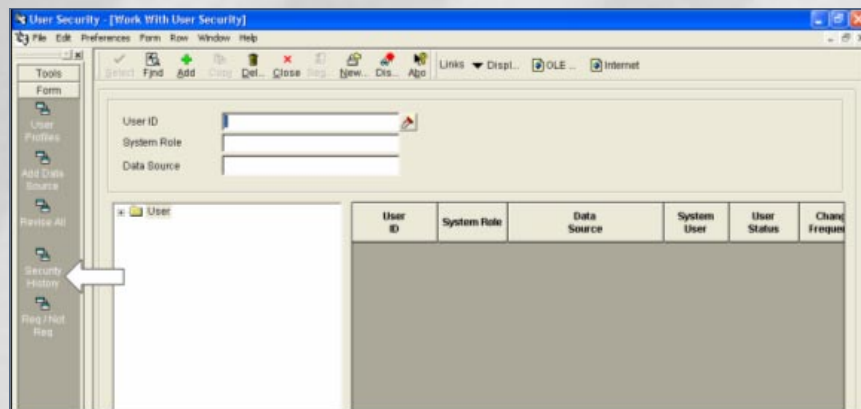

Figure 2 - Work with User Security

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at any records, here's a list of the event types that are kept track of:

01 Sign-on
02 Sign-off
03 Password Change
04 System Administrator Change
05 Add User
06 Delete User
07 Add F00950 Record
08 Delete F00950 Record
09 Modify F00950 Record
10 Add User to F0092
11 Delete User From F0092
12 Modify User in F0092
13 Add User/Role Relationship
14 Remove User/Role Relationship
15 Modify User/Role Relationship
16 Data Item Type Change
17 Data Item Size Change
18 Signatures Turned On
19 Signatures Turned Off
20 Auditing Turned On
21 Auditing Turned Off
22 Pass Through User Turned On
23 Pass Through User Turned Off
24 Real Time Notif Turned On
25 Real Time Notif Turned Off
26 Pre-populate User Turned On
27 Pre-populate User Turned Off

That's a pretty big list and you won't be concerned with most of the types but let's look at some of the key ones you can get some use out of. Sometimes you may want to know when users are signing on and off. Figure 4 shows some records for signing on and off.

This shows date and time of the sign-ons or sign-offs and also whether it was successful. It's important to note a couple of things on this screen:

First, the system role is the system role of that user from F0092 at the time you click the Find. It is not historically accurate. So if I change the group on that user ID and then click Find in this application again, the system role would change as well.

Second, the machine name may or may not help you when isolating or troubleshooting sign-on problems. If you are using fat clients, then you can see what machine they are signing on from. If it is a Citrix or terminal server user, you will see that server name, which just tells you that someone signed into that server tried to use this particular user ID. That may not flag it as a violation, but

sometimes you can figure out problems based on dates and time of day. For example if someone only works day shift but you see a failure at 11 p.m., then that might be a problem or something worth investigating.

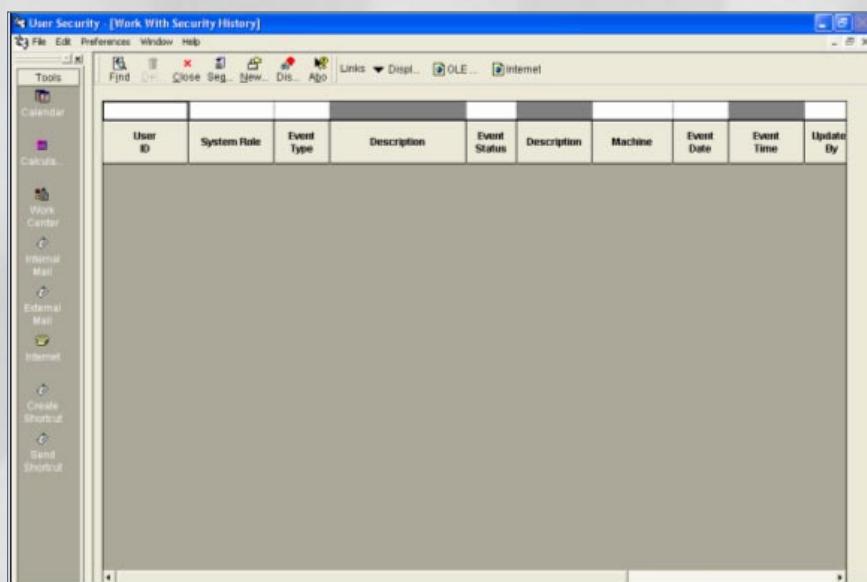Figure 5 shows some password change records.

Figure 3 - Work with Security History

Figure 4 - Signing on and off

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