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Welcome **Kevin O'Connor**

Answer Details

Did You Know… iTERA Audits Are Easy to Modify?

Answer ID 44703

Applicable Products

iTERA Availability 6.1

Description

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Did You Know… iTERA Audits Are Easy to Modify?

The release of iTERA Availability 6.1 includes more intensive audits to ensure even better synchronization of your data. The new audits are designed to give you more confidence that you are ready for a failover if it is required. A standard set of audits & policies are shipped with the product. Installing the software or upgrading from a previous version sets the audit schedules and policies to default values. You have the ability to easily modify audit schedules and policy settings to be optimal for your environment from the Work with Audits screen, described in detail below. A tutorial video on how to modify audit schedules and policies can also be found below.

Answer

Here's How!

To begin tailoring the audit schedules, start by accessing the Work with Audits screen. On the target node, go to menu option 1.8 Audit Command Console, then F2=Vision Audits.

```
SYSTEM2      BACKUP 1          iTERA Availability 6.1               E22500RE
ZHA61A1                        Audit Command Console                 1/28/14
QPADEV0004                                                          12:28:43
Auto Audit (F11) . . . .         Sort (F9) . . . . . . . . .         Audit
Vision Audits (F2) . . .  Err    List (F8) . . . . . . . . .        Active
Type options, press Enter.
 1=Work with App  2=Change  3=Hold  5=History  6=Release  8=Submit

               iTERA       System  Audit Interval      Last Audit Start
Opt Audit      Rep Option  Role    Type Current Maximum Date     Time     Sts
__  ALVL_AUDIT *BASE       Both    Days 99999         7 00/00/00 00:00:00 ALERT
__  JRNOBJJRNT *BASE       Target  Days                 00/00/00 00:00:00 ------
__  JRNOBJLSTT *BASE       Target  Hrs                  00/00/00 00:00:00 ------
__  SRC_AUDT   *BASE       Target  Hrs                  00/00/00 00:00:00 ------




                                                                     Bottom
  F2=Vision Audits  F3=Exit  F5=Refresh  F7=Next Submit Time
  F8=List All Audits  F9=Sort by Priority  F11=Start Auto Audit    F24=More keys
```

(Click on images for larger view)

Modify Audit Schedules

To view or modify audit schedules, press F10 twice. The schedule information will be displayed on the right. You can use F17 to sort the entries by schedule time.

A default schedule is defined for each of the six audit rules.

Default Schedule	Rule Name
2:05 AM Daily	#OBJATR
2:10 AM Daily	#FILATR
2:15 AM Daily	#IFSATR
2:20 AM Daily	#FILATRMBR
2:25 AM Daily	#DLOATR
2:35 AM Daily	#FILDTA

Audit run times are staggered in five minute intervals, with the first audit starting at 2:05 AM. Vision Solutions recommends that when adjusting the start time of a particular audit, all subsequent start times are also adjusted in order to retain the same audit order as outlined above.

```
                          Work with Audits
                                              System:    SYSTEM2
Type options, press Enter.
  5=Display   6=Print    7=History   8=Recoveries   9=Run rule   10=End
 14=Audited objects   36=Change DG policies      37=Change audit schedule

    Audit        ---------Definition---------       -Scheduled Time--
Opt Rule         DG Name    System 1 System 2 Frequency Date     Time
__  #FILATR      ZMHAJRNA   SYSTEM1  SYSTEM2  *WEEKLY  01/24/14 02:10:00
__  #FILATRMBR   ZMHAJRNA   SYSTEM1  SYSTEM2  *WEEKLY  01/24/14 02:20:00
__  #IFSATR      ZMHAJRNA   SYSTEM1  SYSTEM2  *WEEKLY  01/26/14 02:15:00
__  #OBJATR      CRGHA61A1  SYSTEM1  SYSTEM2  *WEEKLY  01/24/14 02:05:00




                                                                  Bottom
Parameters or command
===>
F3=Exit   F4=Prompt   F5=Refresh   F10=Audit summary   F11=Schedule settings
F14=Audited objects   F17=Sort sched. time   F24=More keys
```

Changes to the day and time can be made using Opt. 37= Change audit schedule, next to the Audit that you wish to run at a different time.

```
                          Set Policies (SETPCY)

TYPE CHOICES, PRESS ENTER.

Data group definition:
  Name . . . . . . . . . . . . . . > CRGHA61A1      Name, *INST, F4 for list
    System 1 . . . . . . . . . . . > SYSTEM1        Name, *LOCAL, F4 for list
    System 2 . . . . . . . . . . . > SYSTEM2        Name, *LOCAL, F4 for list
Audit rule . . . . . . . . . . . > #OBJATR          Name, *NONE, F4 for list
Audit schedule:
  Frequency . . . . . . . . .    *WEEKLY           *SAME, *MONTHLY, *NONE...
  Scheduled date, or . . . . . .  *NONE             Date, *SAME, *CURRENT...
  Scheduled day  . . . . . . . .  *ALL              *SAME, *ALL, *NONE, *MON...
            + FOR MORE VALUES
  Scheduled time . . . . . . . .  020500            Time, *SAME, *CURRENT
  Relative day of month  . . . .  *SAME             *SAME, *LAST, 1, 2, 3, 4, 5
            + FOR MORE VALUES



                                                              BOTTOM
F3=EXIT   F4=PROMPT   F5=REFRESH   F12=CANCEL   F13=HOW TO USE THIS DISPLAY
F24=MORE KEYS
```

Scheduling behaviors are designed similar to the IBM Job Scheduler. Press F1 Help for additional information on these parameters.

After making changes use F21=Print list to print a copy of the audit schedule. This information will be required if the system names have to be changed for a role swap.

Modify Audit Policies

From the Work with Audits screen use F16 to review the Instance level policies. These are the settings all audits will use unless they are individually modified.

```
                          Set Policies (SETPCY)

Type choices, press Enter.

Data group definition:
  Name . . . . . . . . . . . . . > *INST           Name, *INST, F4 for list
    System 1 . . . . . . . . . . .                 Name, *LOCAL, F4 for list
    System 2 . . . . . . . . . . .                 Name, *LOCAL, F4 for list
Audit rule . . . . . . . . . . .  *NONE            Name, *NONE, F4 for list
Automatic audit recovery . . . .  *ENABLED         *SAME, *DISABLED, *ENABLED...
Audit notify on success  . . . .  *RULE            *SAME, *INST, *NO, *RULE...
Notification severity  . . . . .  *RULE            *SAME, *ERROR, *INFO...
Object only on target  . . . . .  *DISABLED        *SAME, *DELETE, *DISABLED...
Maximum rule runtime . . . . . .  1440             60-10080, *SAME, *INST
Audit warning threshold (days)    8                1-999, *SAME, *INST...
Audit action threshold (days)  .  15               1-999, *SAME, *INST...
Audit level  . . . . . . . . . .  *LEVEL30         *SAME, *DISABLED...
Action for running audits:
  Apply in threshold . . . . . .  *NONE            *SAME, *CMP, *CMPRPR...

                                                              More...
F3=Exit   F4=Prompt   F5=Refresh   F12=Cancel   F13=How to use this display
F24=More keys
```
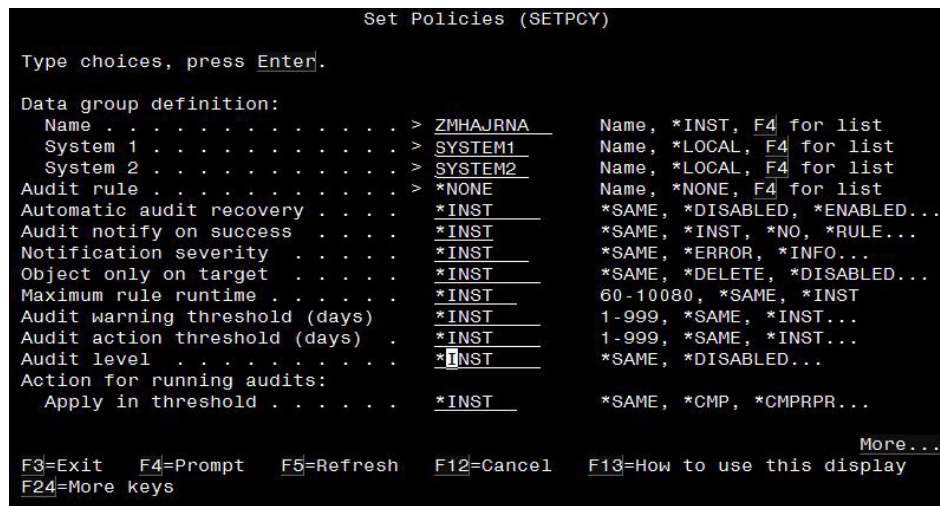
If you wish to change the audit policies for a specific data group, use option 36 from the Work with Audits screen.

```
                          Set Policies (SETPCY)

Type choices, press Enter.

Data group definition:
  Name . . . . . . . . . . . . . > ZMHAJRNA      Name, *INST, F4 for list
  System 1 . . . . . . . . . . . > SYSTEM1       Name, *LOCAL, F4 for list
  System 2 . . . . . . . . . . . > SYSTEM2       Name, *LOCAL, F4 for list
Audit rule . . . . . . . . . . . > *NONE         Name, *NONE, F4 for list
Automatic audit recovery . . . .   *INST         *SAME, *DISABLED, *ENABLED...
Audit notify on success  . . . .   *INST         *SAME, *INST, *NO, *RULE...
Notification severity  . . . . .   *INST         *SAME, *ERROR, *INFO...
Object only on target  . . . . .   *INST         *SAME, *DELETE, *DISABLED...
Maximum rule runtime . . . . . .   *INST         60-10080, *SAME, *INST
Audit warning threshold (days)     *INST         1-999, *SAME, *INST...
Audit action threshold (days)  .   *INST         1-999, *SAME, *INST...
Audit level  . . . . . . . . . .   *INST         *SAME, *DISABLED...
Action for running audits:
  Apply in threshold . . . . . .   *INST         *SAME, *CMP, *CMPRPR...

                                                             More...

F3=Exit   F4=Prompt   F5=Refresh   F12=Cancel   F13=How to use this display
F24=More keys
```

It is important to understand how each of the policy parameters impacts the audits, before making any changes. One parameter that can have a large impact on the running of the audits is the Audit Level policy. The Audit Level policy specifies the level of comparison that an audit will perform against a data group. The Audit Level policy values affect only the File Data (#FILDTA) and IFS Attribute (#IFSATR) audits. The default value for the Audit level policy is *LEVEL30, which is the highest or most complete auditing level.

Vision Solutions' best practice is to run your audits using *LEVEL30. However, several factors will ultimately impact the level you choose. These factors include:

- The volume of data being replicated through the journal
- How long it takes the audit to run

If the audits do not complete within a twenty-four hour period, or if the default run times conflict with other system processing, you may need to gradually adjust the schedule times or the audit level.

Detailed information on all parameters can be found in the online Help (accessible using F1) as well as in the iTERA Availability 6.1 User Guide and iTERA Availability 6.1 Reference Guide. If you are unsure about the impact of changing a policy setting, contact CustomerCare for assistance.

To take a tour on audit scheduling and the audit parameters, click the image below to watch the video.

Contact Information

For technical assistance with any Vision Solutions' product, contact Vision Solutions' CustomerCare team.

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