IBM IMS Audit Management Expert for z/OS

Taking the guesswork out of auditing your IMS databases

IMS Audit Management Expert for z/OS Version 1.1

Barry Davis
Product Specialist

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Agenda

- **Tool Overview**
  - Features
  - Architecture
- **Tool Walk Through**
  - Screen shots of Report UI
  - Screen shots of Administration UI
- **Questions**

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- **A tool that collects and correlates data access information from the IMS and SMF Logs**
- **A tool that assists a company's efforts to comply with Regulatory Compliance**
- **Separates the roles of auditing and database administration**

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IMS Audit Management Expert for z/OS Features

- **Saves time and effort by eliminating manual auditing processes**
- **Facilitates common auditing tasks**
  - determining who updated a particular object
  - time frame
  - monitoring access to specific objects
- **Shows a detailed analysis for any changes being monitored by IMS Audit Management Expert**
- **Defines various filter policies for collecting and reporting data**

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IMS Audit Management Expert for z/OS Features

- **Allows auditors to obtain information**
  - without being defined as IMS users
  - work without extensive interaction with Data Base and System Administrators
  - Auditors will not be able to directly manipulate IMS resources

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- **Data collection**
  - **IMS Audit Management Expert can collect and correlate many different types of information into its audit repository:**
    - **Access to database data sets and image copy data sets as recorded in SMF**
    - **Changes to databases as recorded in the IMS log**
    - **User access to the IMS system via SIGNON as recorded in the IMS log**
    - **PSB and database 'change of state' activity as recorded in the IMS log**
    - **System STOP and START activity as recorded in the IMS log**
  - **IMS does not log DB GET (reads) to databases**
    - **The total number of reads for all DB in application will be in the accounting record, but there is no record of read only**

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- **Reporting user interface**
  - **Provides auditors with flexible options for examining the data in the audit repository**
- **Administration user interface**
  - **Provides administrators with flexible options**
    - **for user management, auditing profiles, and reporting authorizations**

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IMS Audit Management Expert Components

- **SERVER**
  - Started task or batch job
- **AGENT**
  - Started Task or batch job
  - One per IMS System to Audit
- **CLIENT**
  - Reporting Analysis GUI
  - Administrator GUI
    - Windows
- **AUDIT REPOSITORY**
  - DB2 Tables and Views
- **PROFILE**
  - Defines
    - Collection Profile
    - Authorization Profile
    - User Profile

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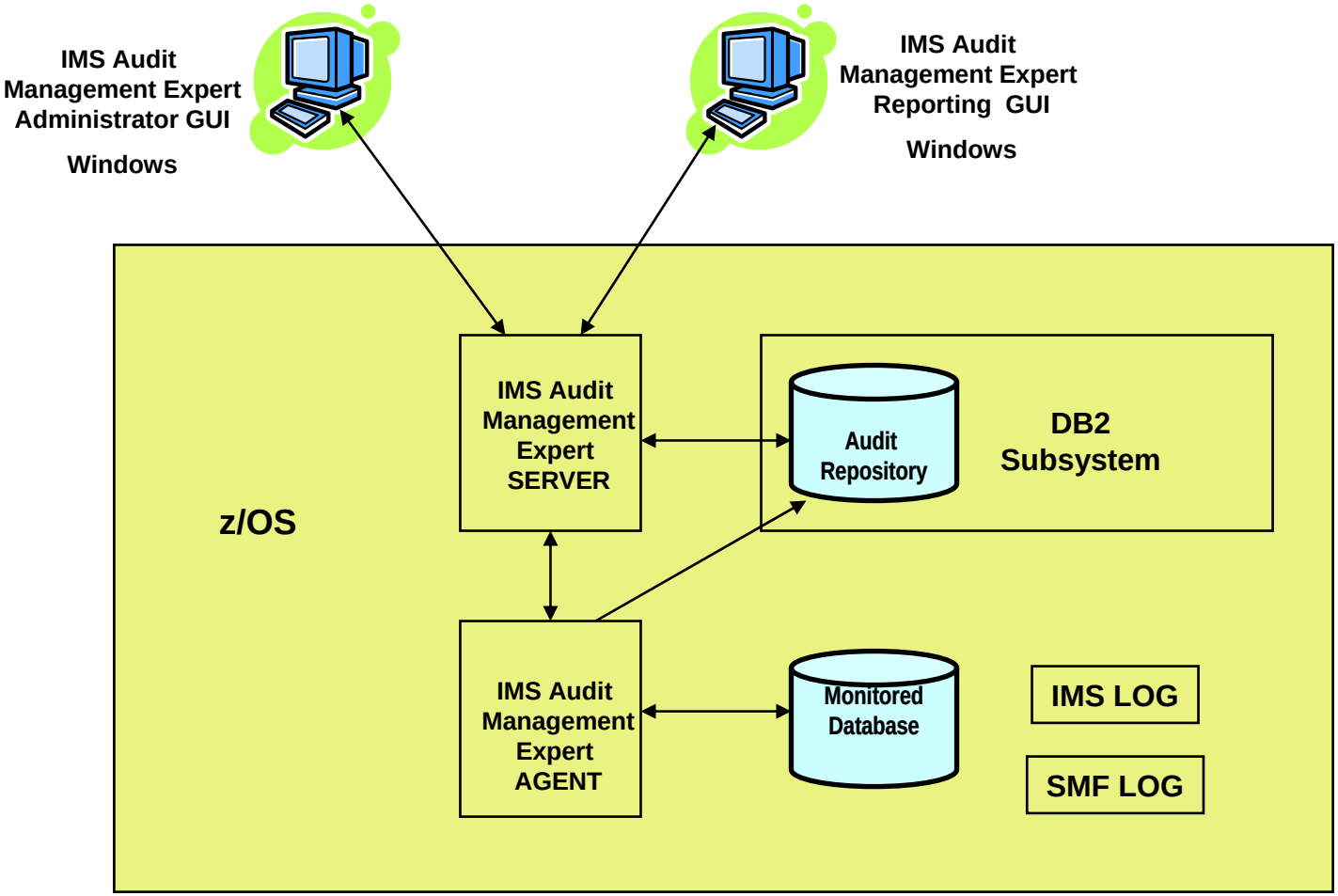
IMS Audit Management Expert Architecture



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Using IMS Audit Management Expert Report UI

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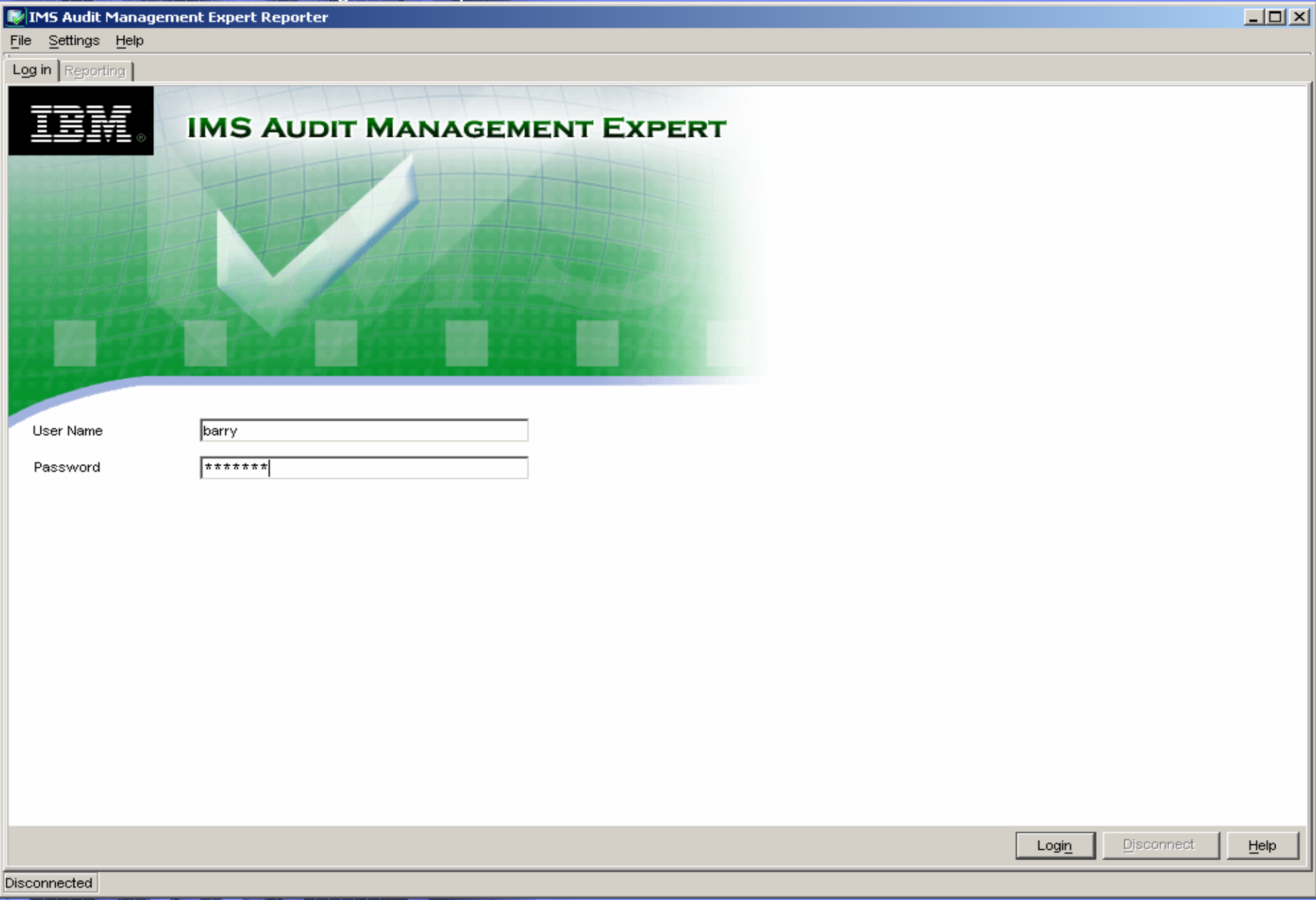

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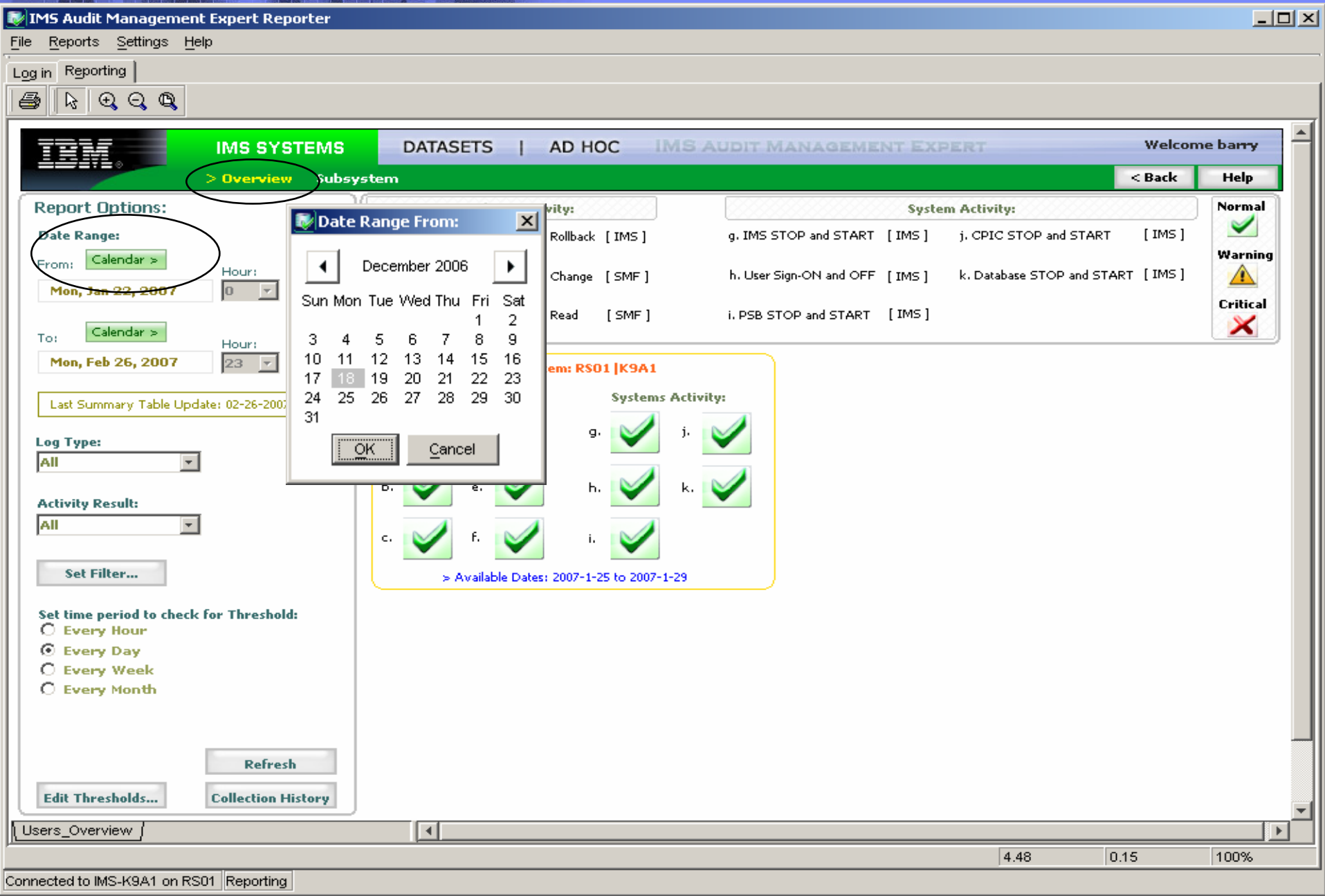

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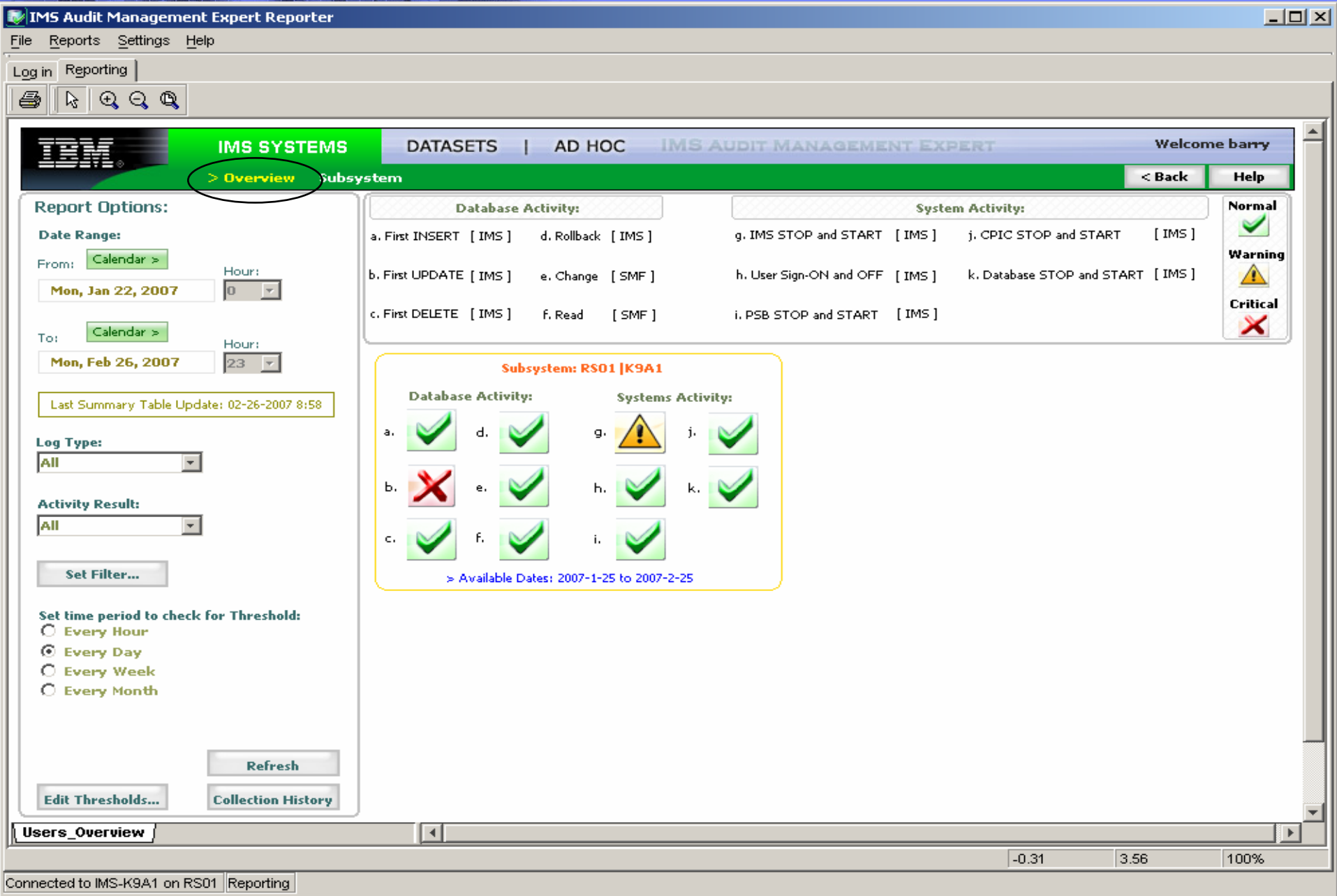

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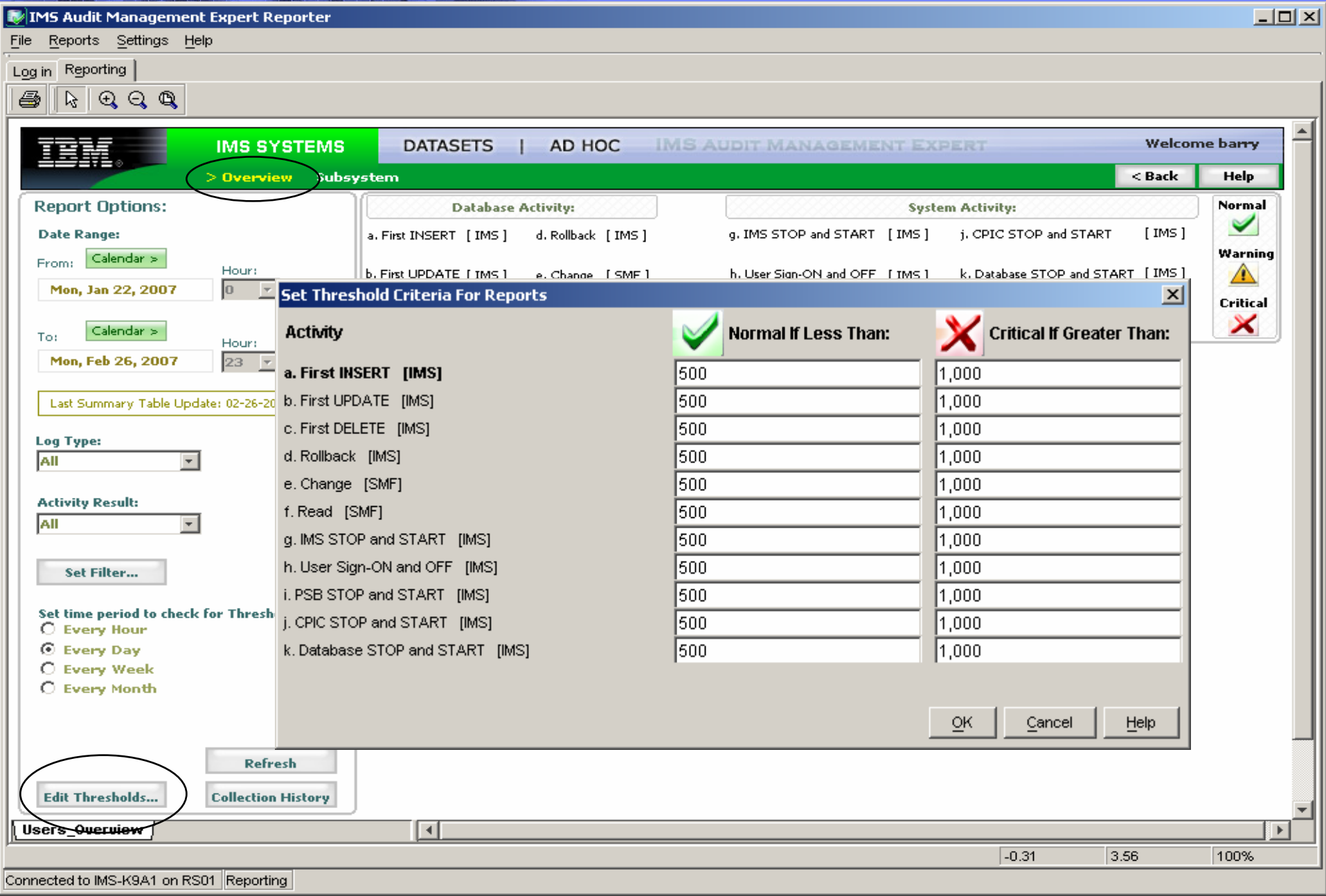

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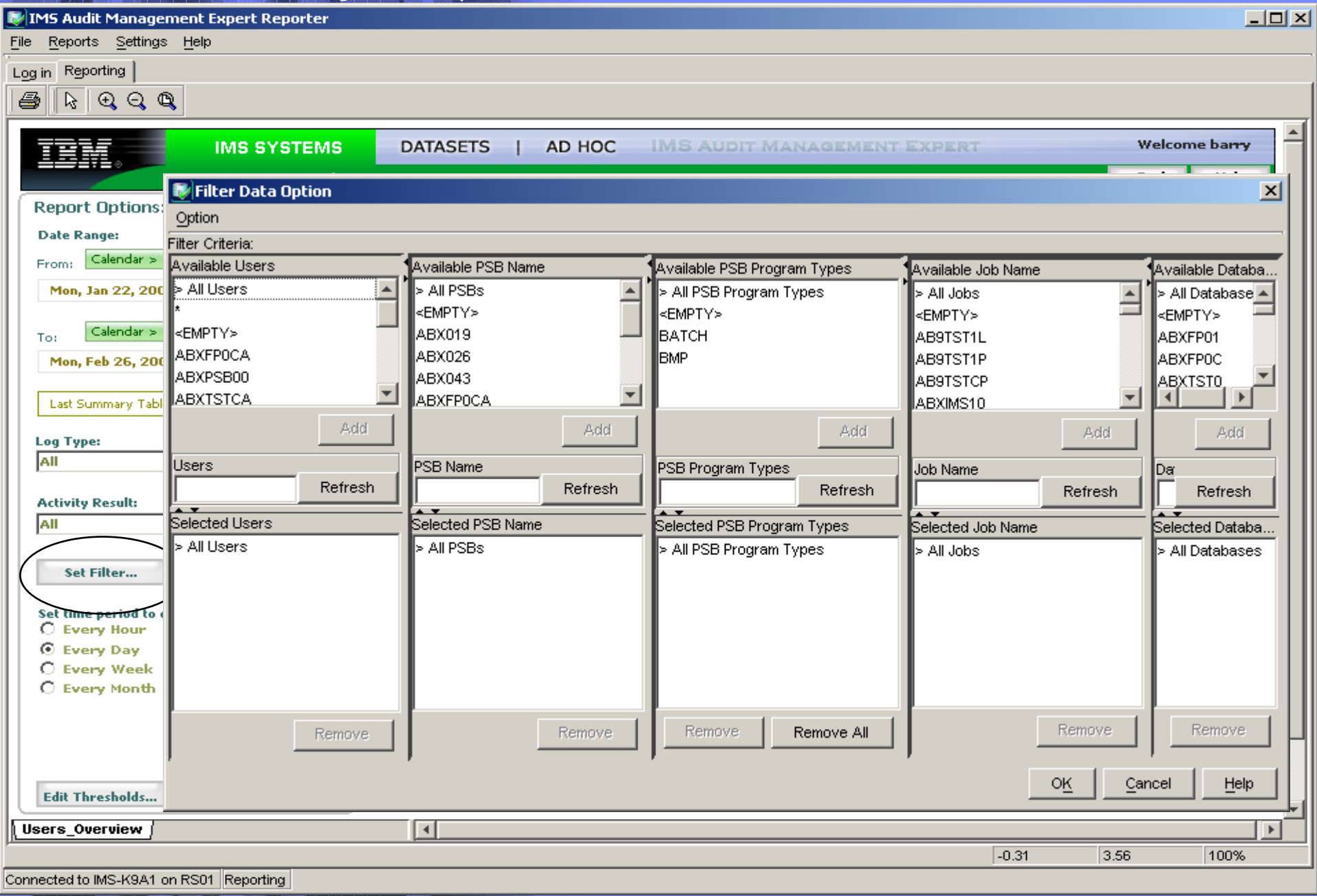

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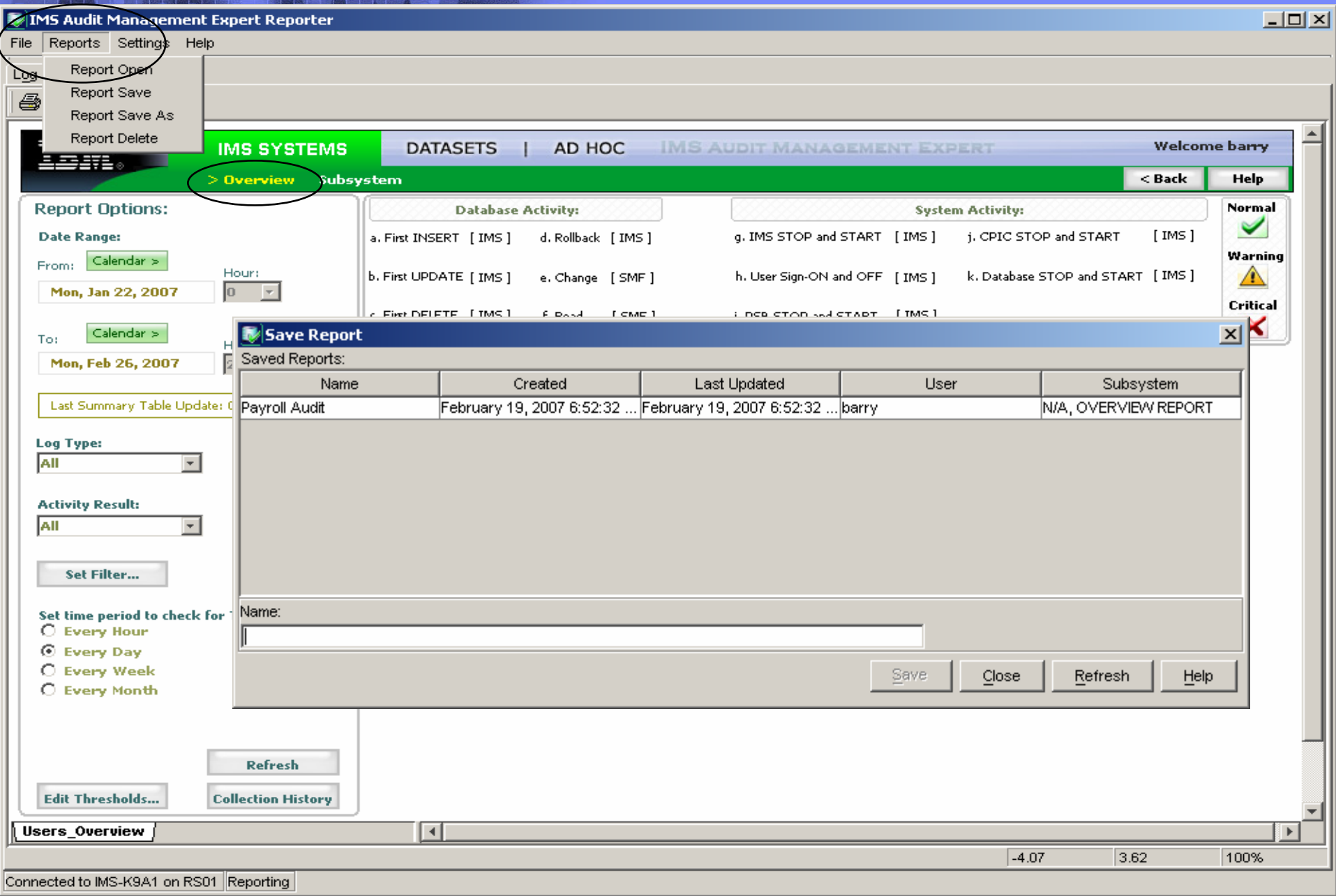

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IMS Audit Management Expert Reporter

File Reports Settings Help

Log in Reporting

IMS SYSTEMS

IMS AUDIT MANAGEMENT EXPERT

Welcome barry

> Collection History

< Back Help

Report Options:

Date Range:

From: Calendar > Hour: Mon, Dec 18, 2006 0

To: Calendar > Hour: Thu, Jan 18, 2007 23

> Available Dates: 2006-12-26 to 2007-1-17

Subsystem:

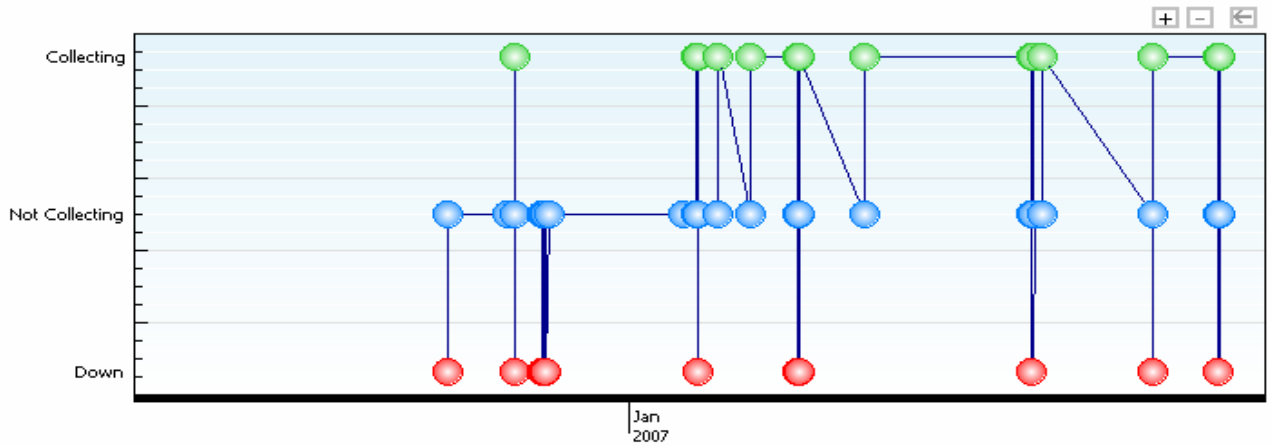
> All Subsystems

RS22|T81B

Refresh

Display Colors... Close

Collection Status Timeline for: RS22|T81B



Users_Overview_History

-1.7 -1.22 100%

Connected to IMS-T81B on RS22 Reporting

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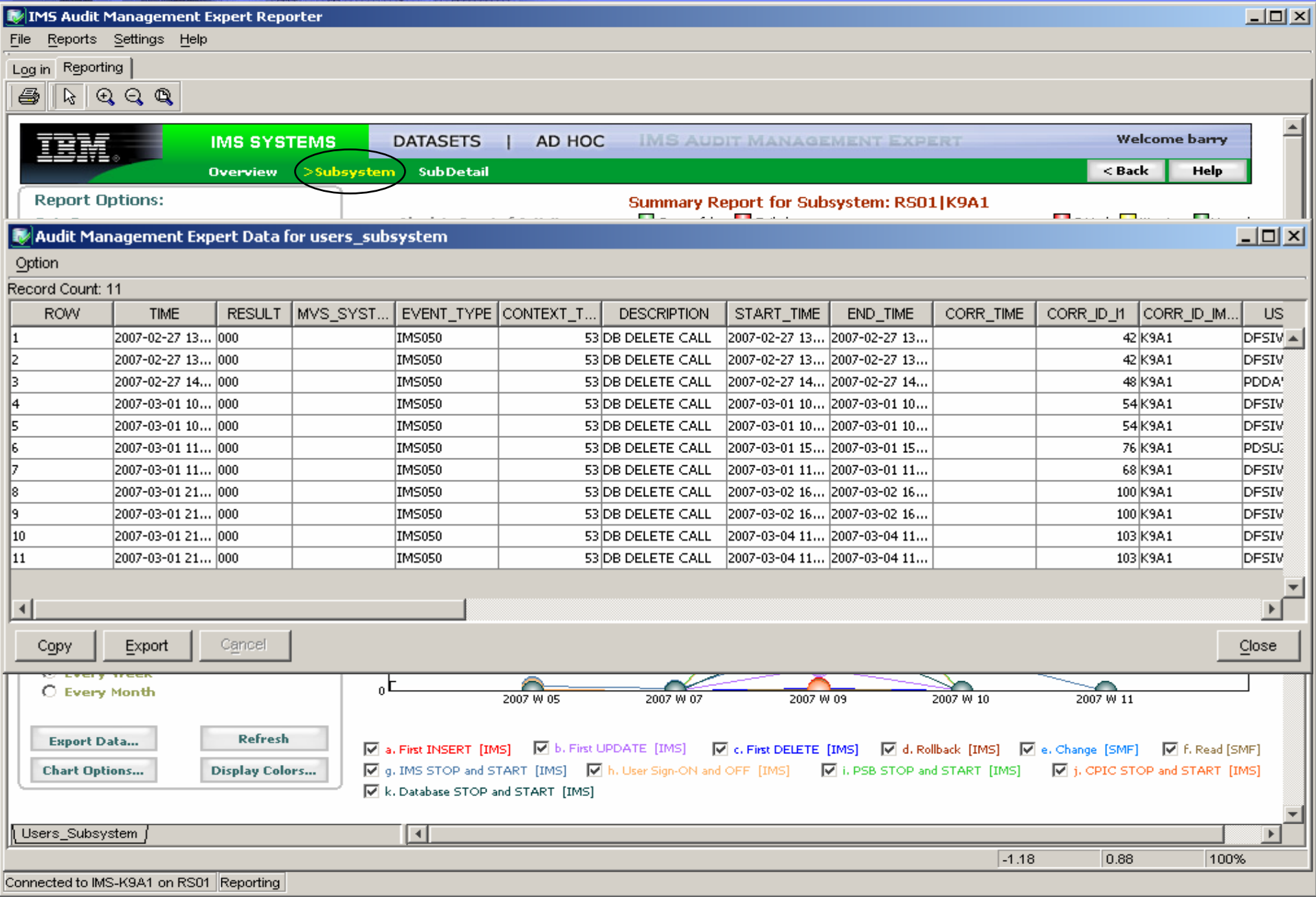

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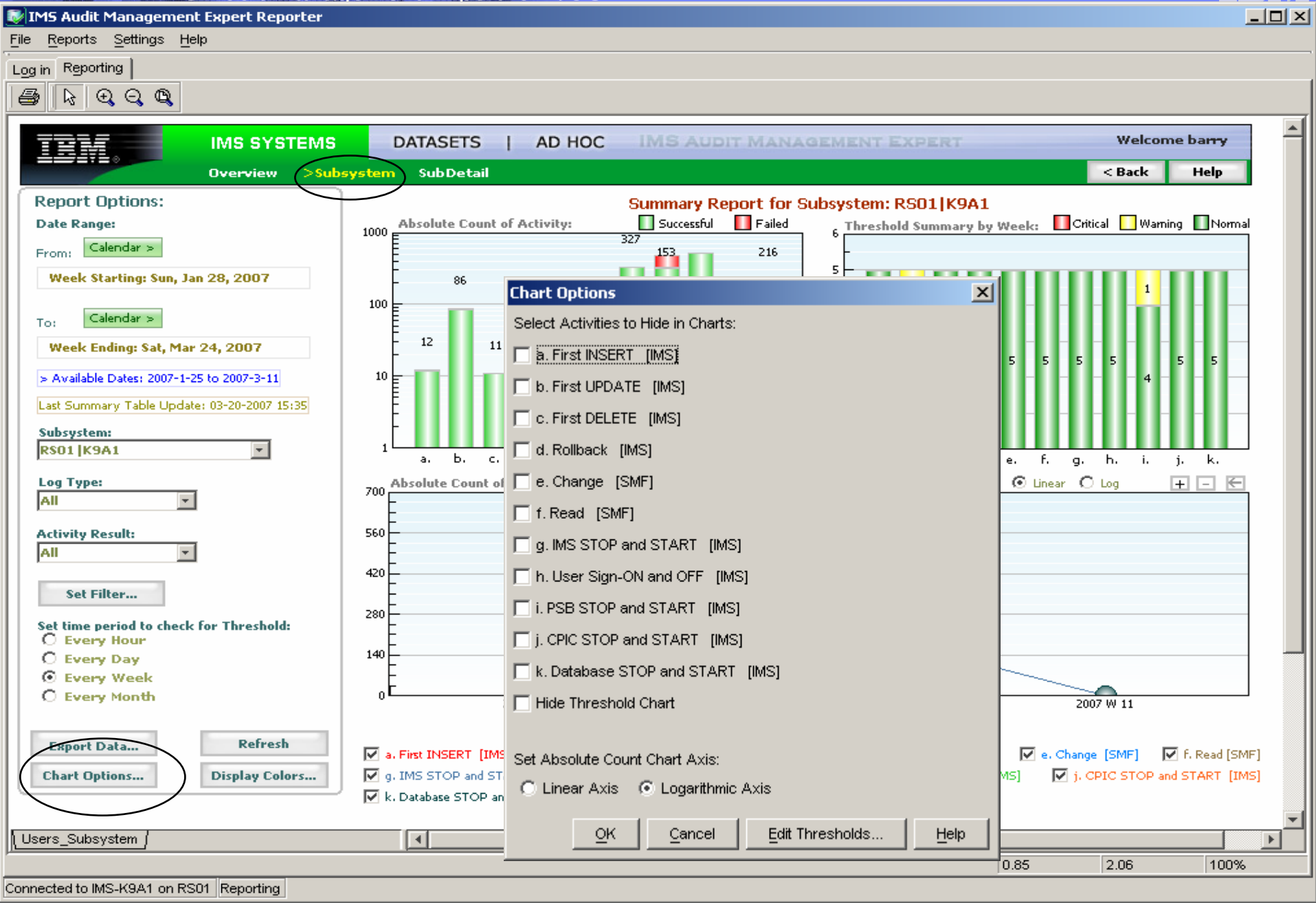

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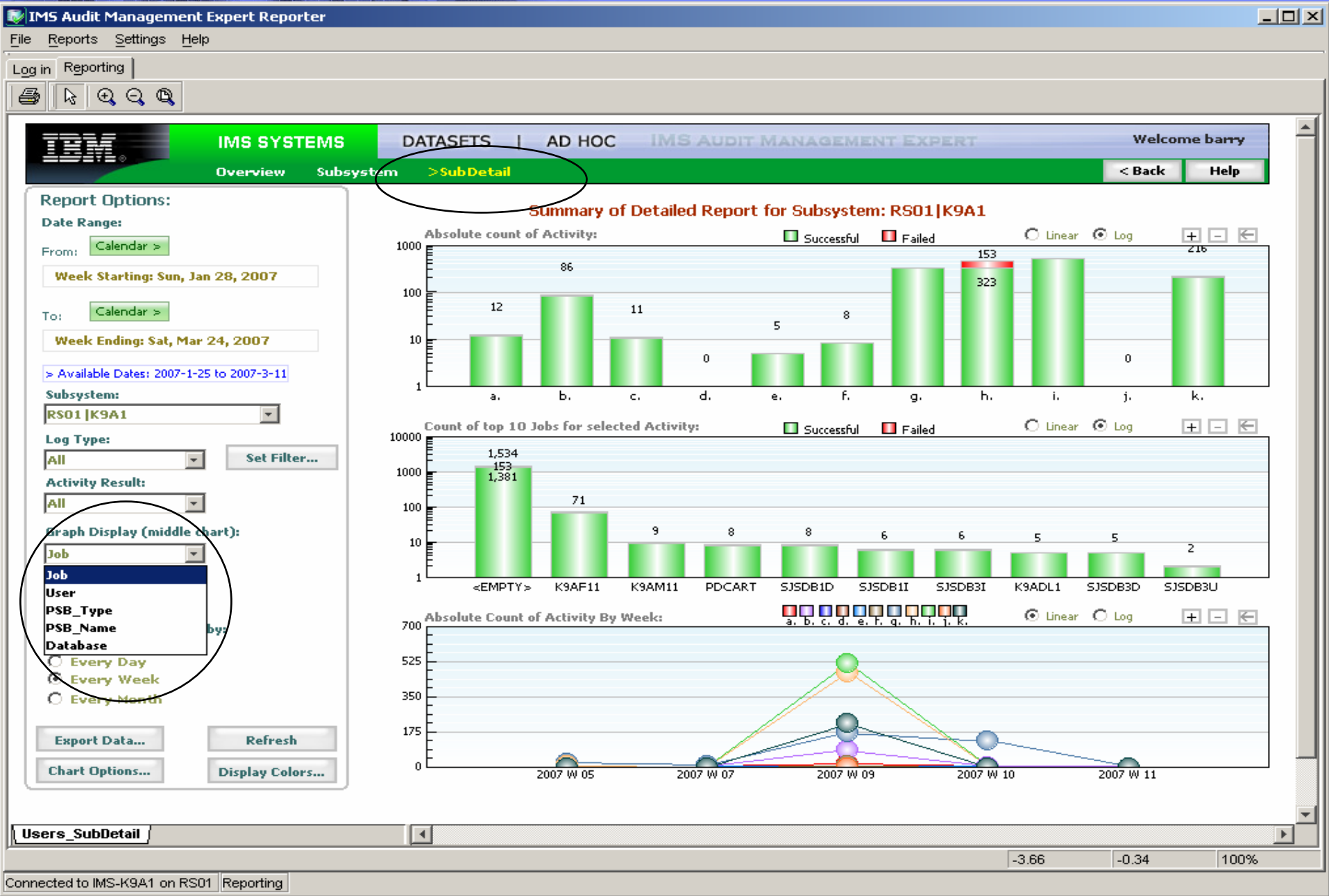

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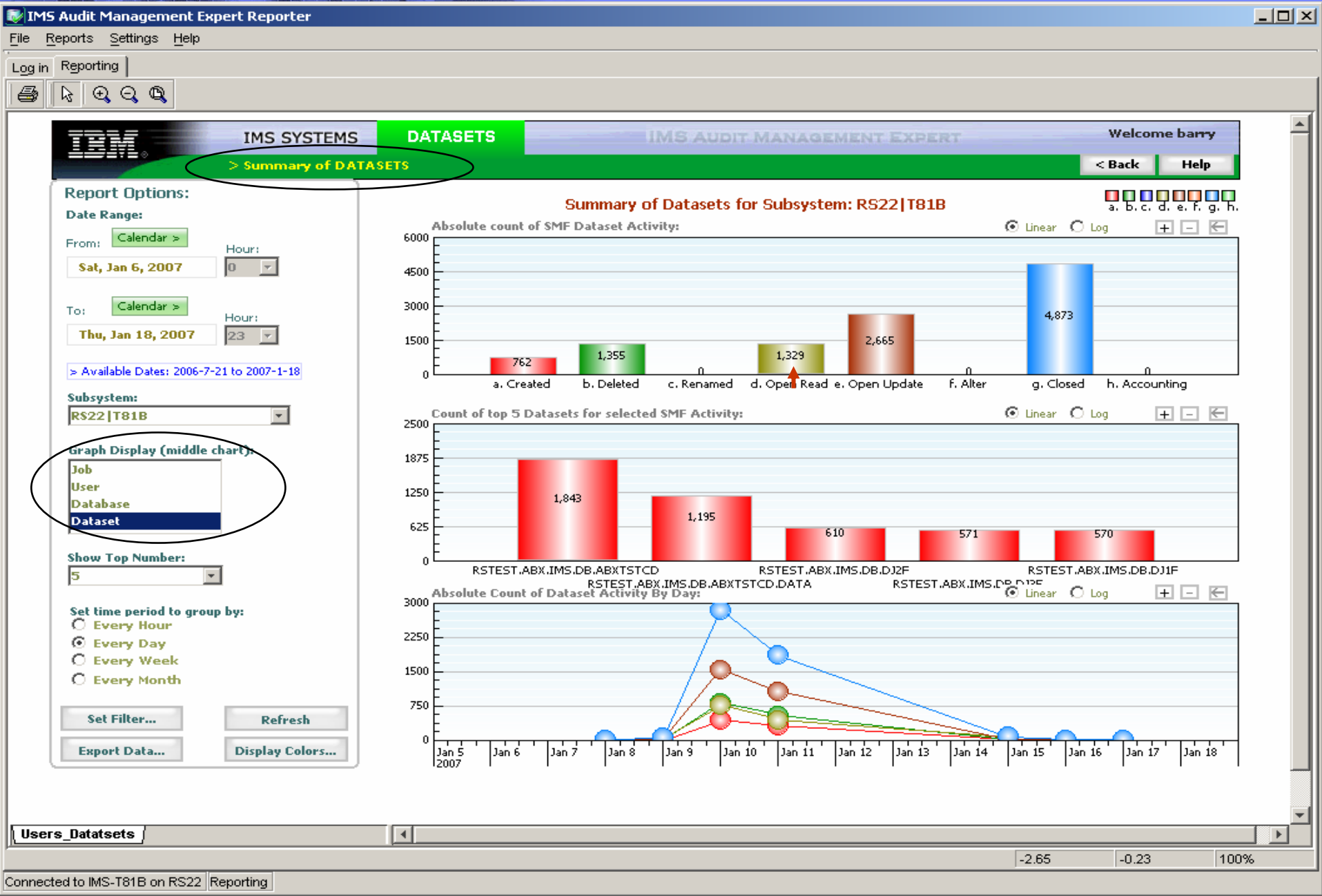

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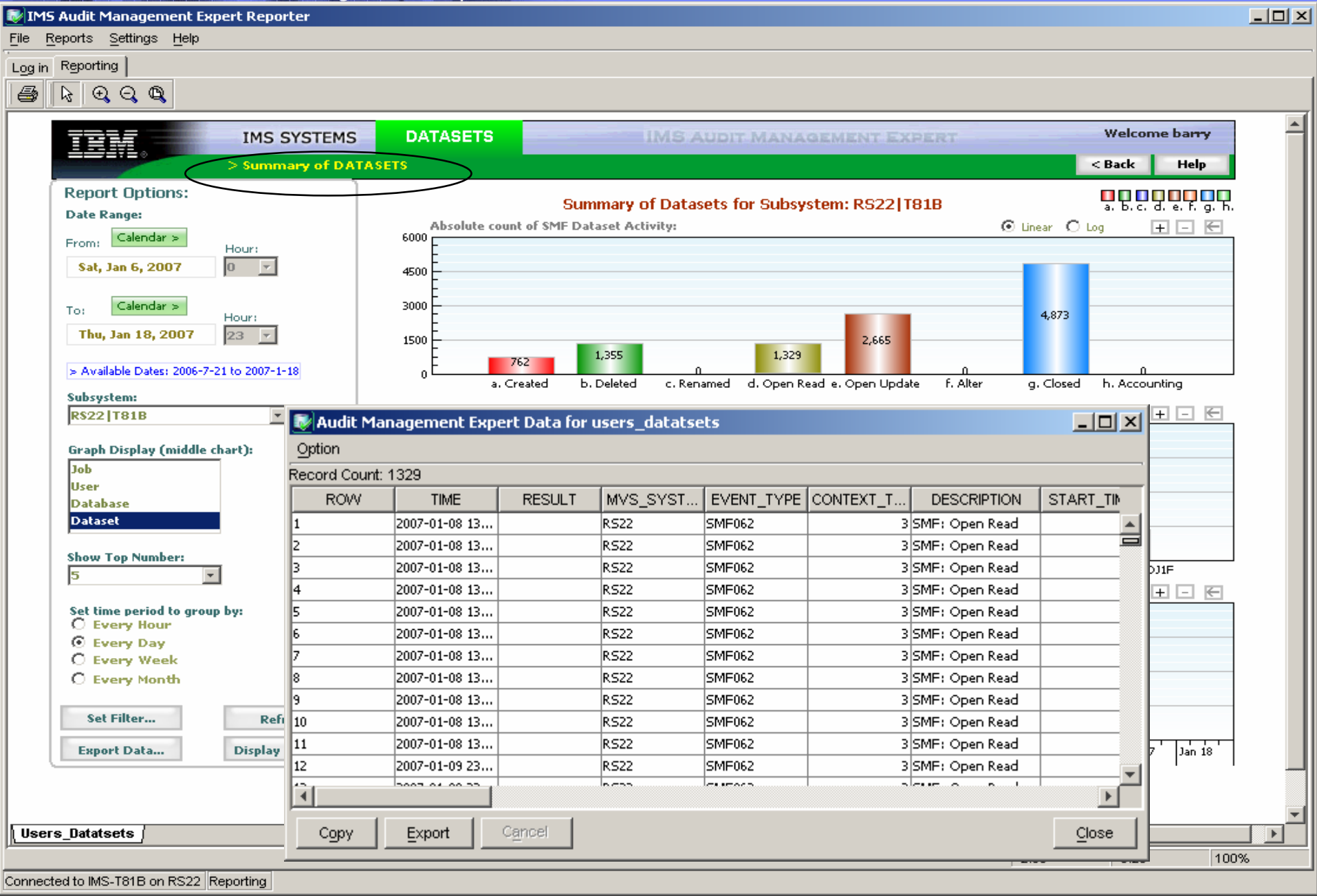

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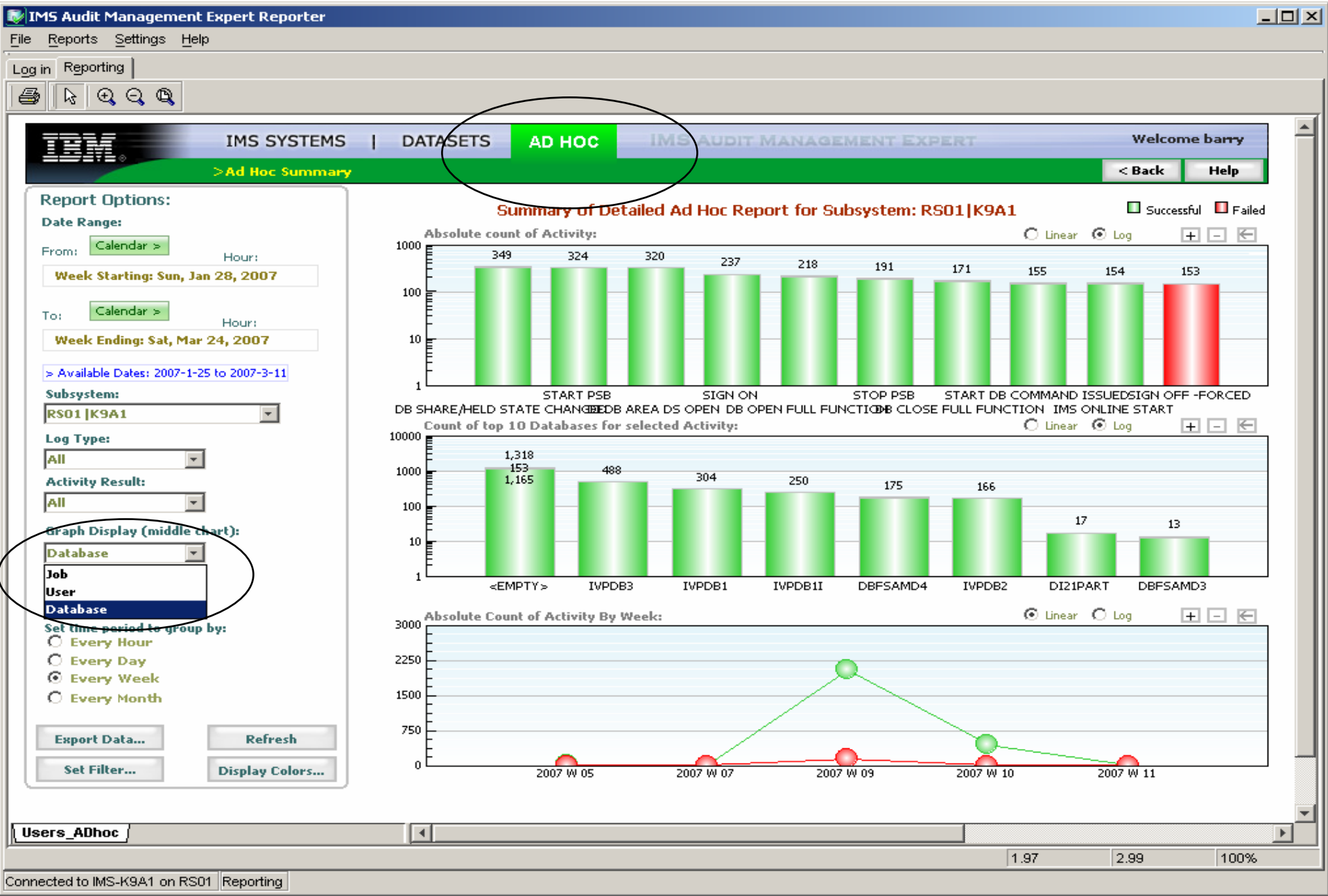

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IBM IMS Audit Management Expert for z/OS

Using IMS Audit Management Expert Administration UI

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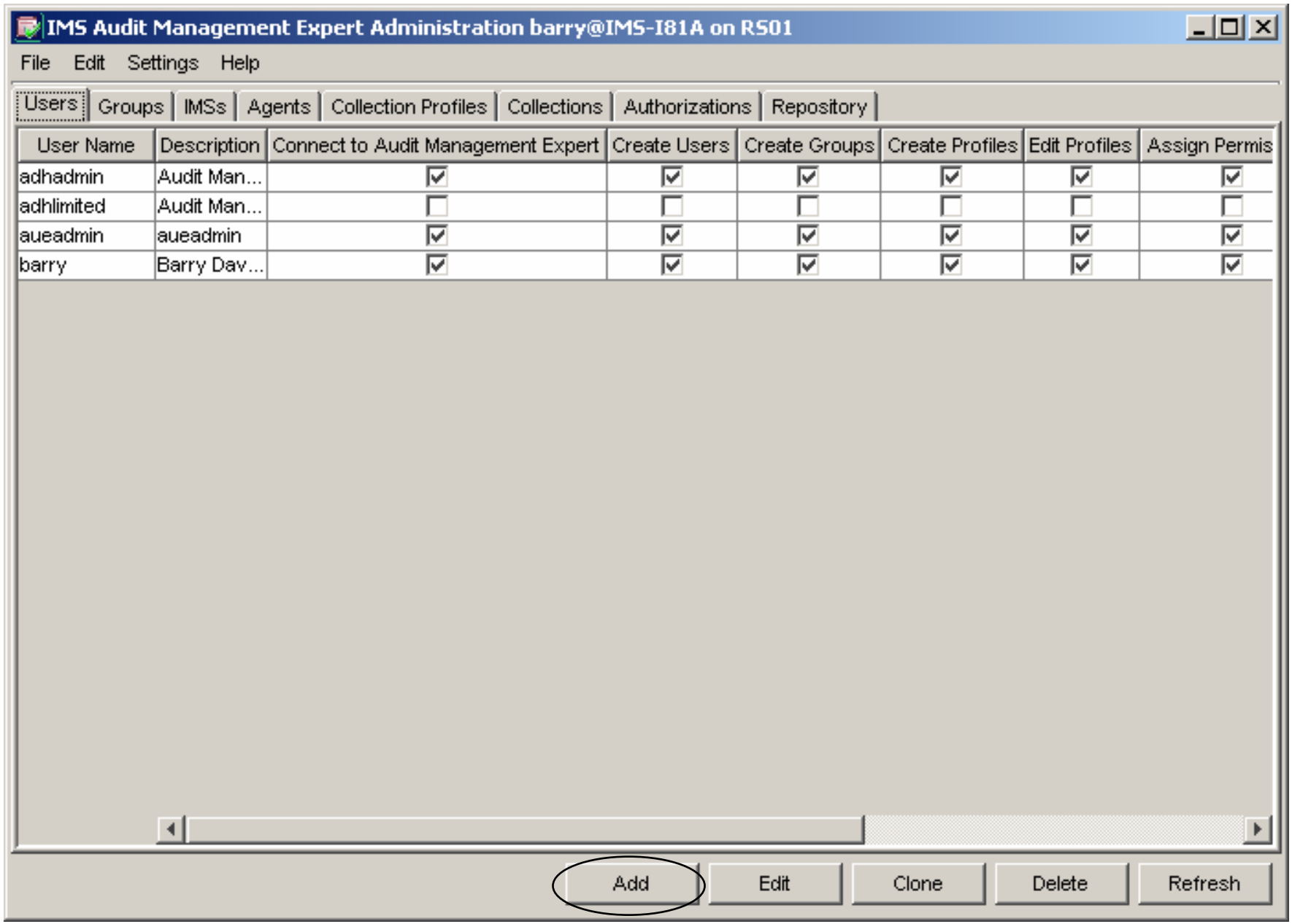

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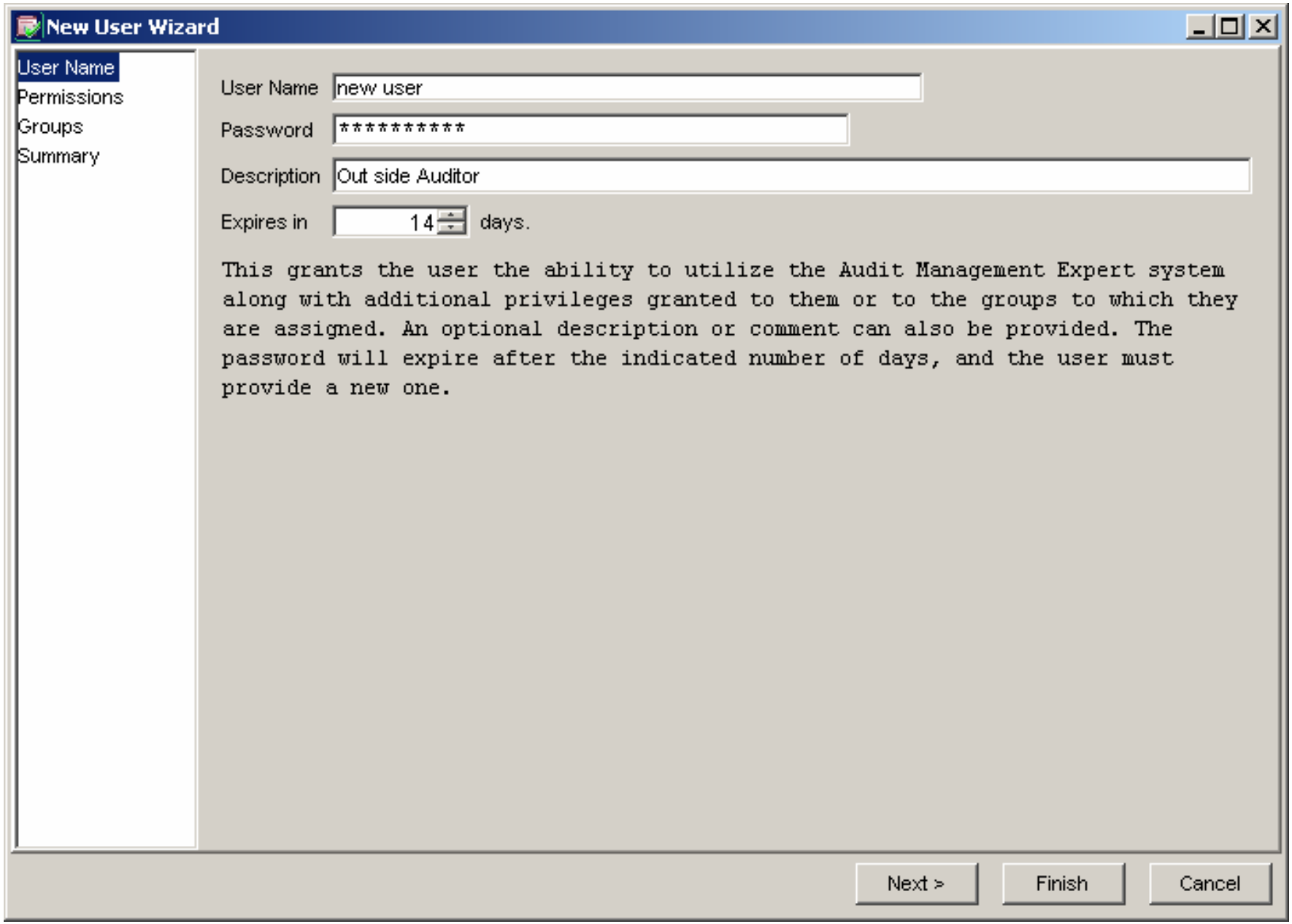

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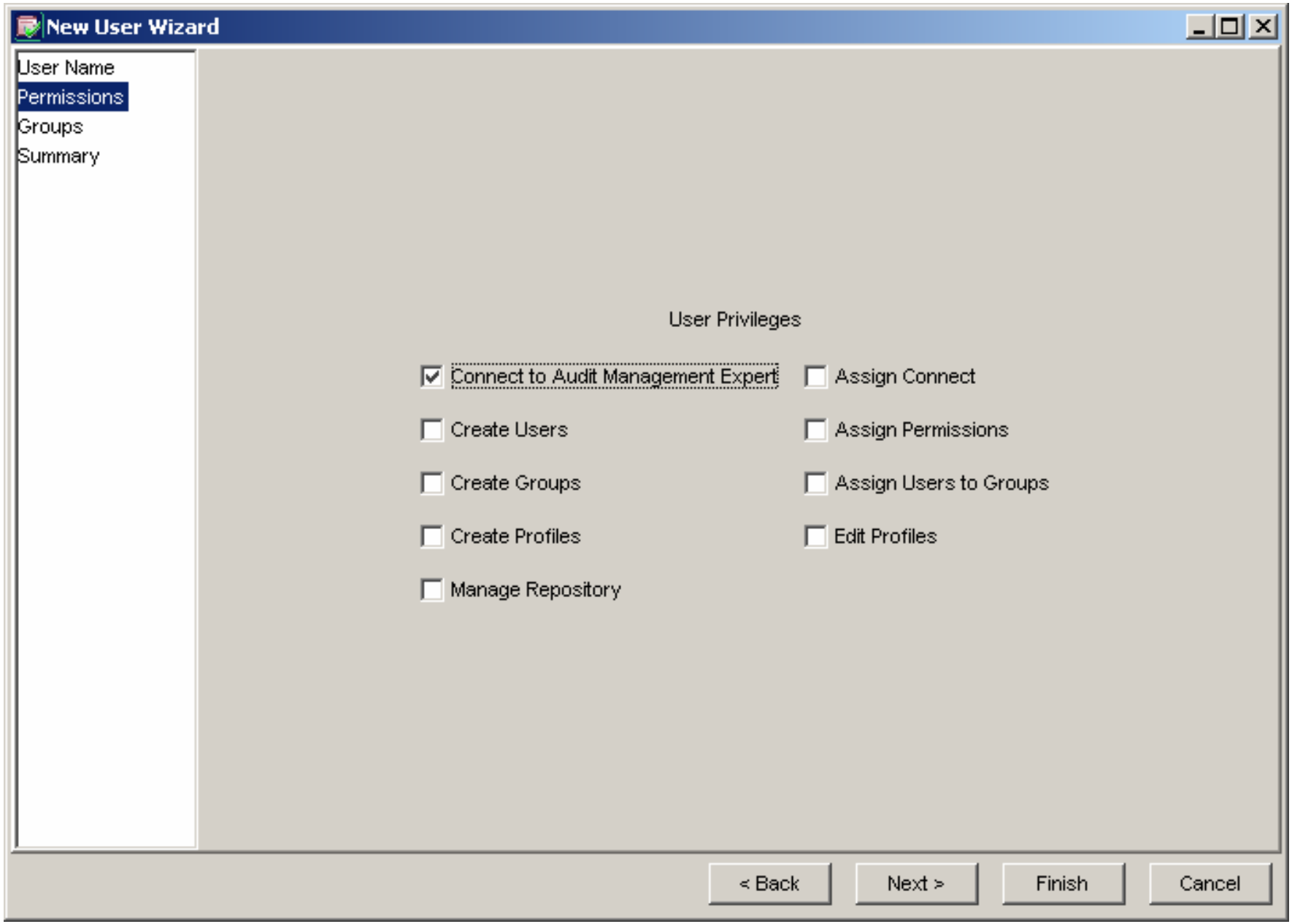

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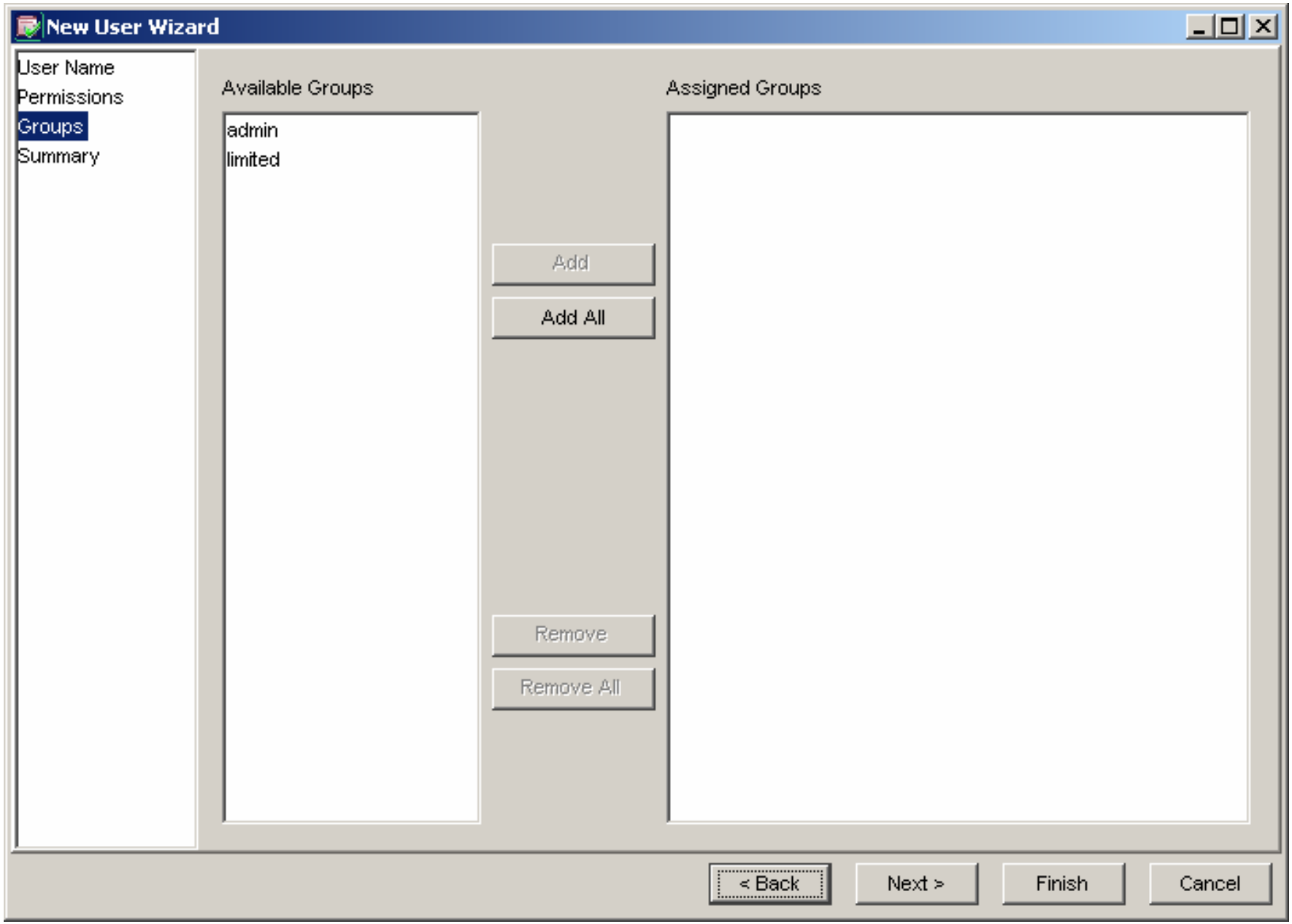

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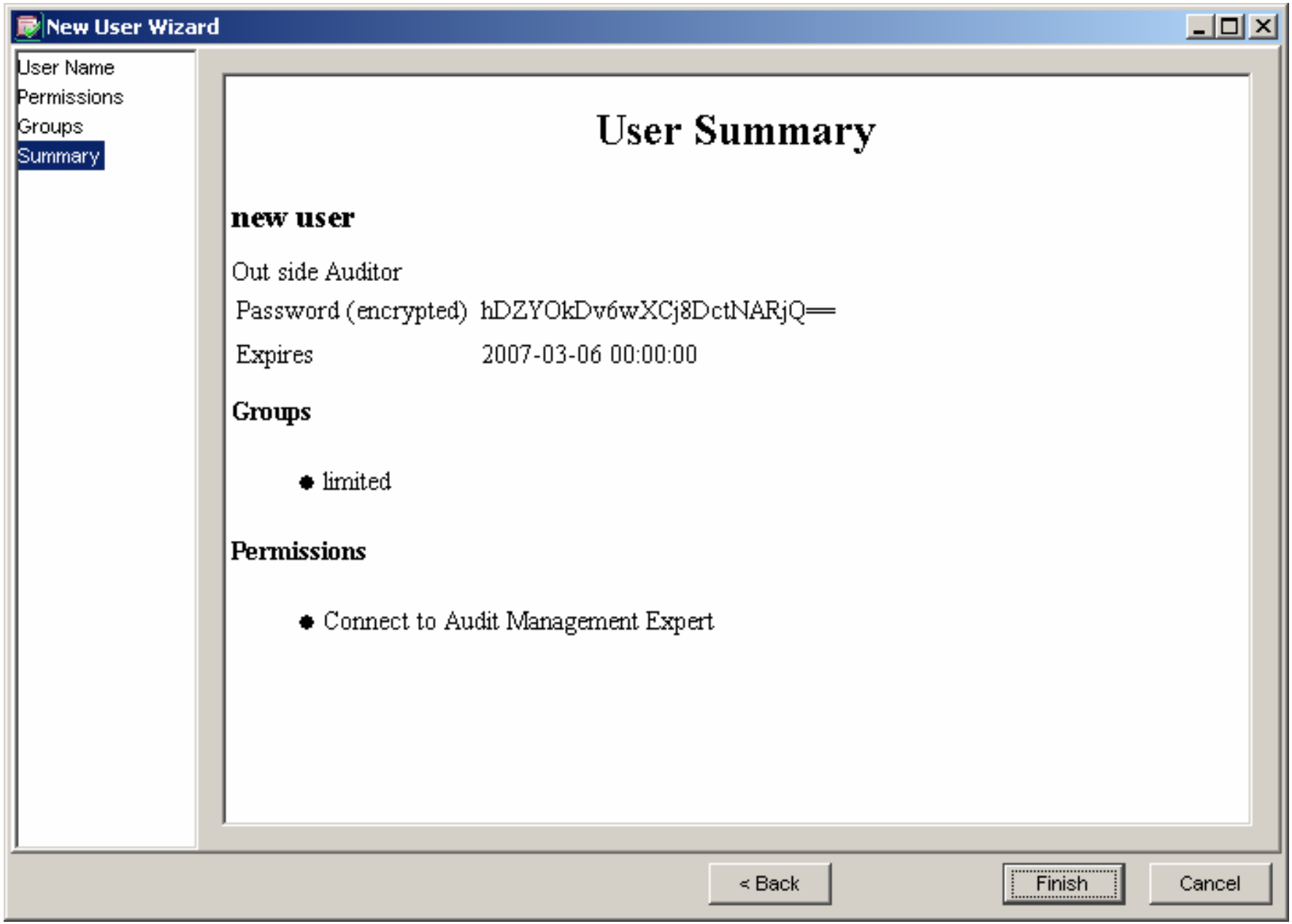

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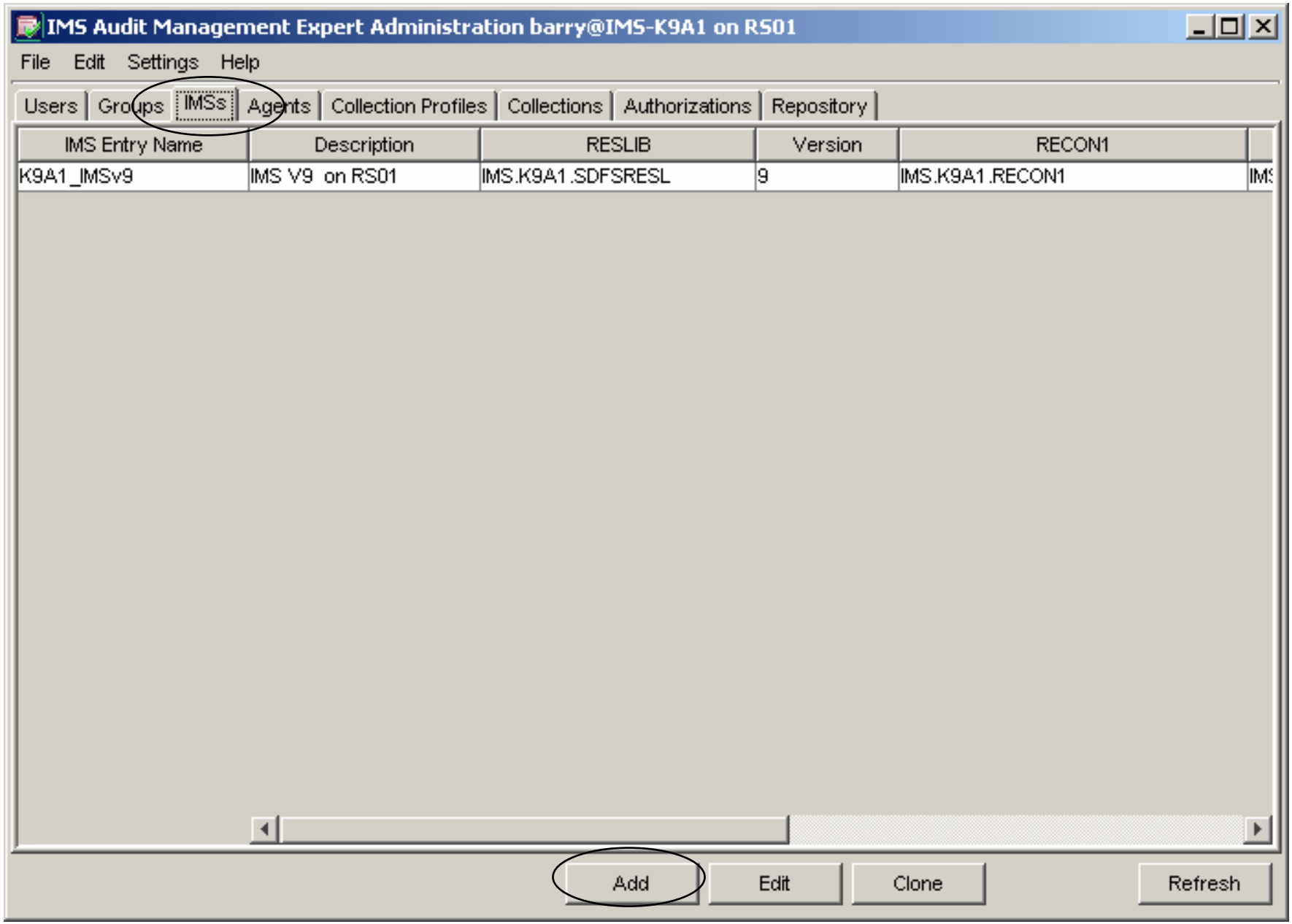

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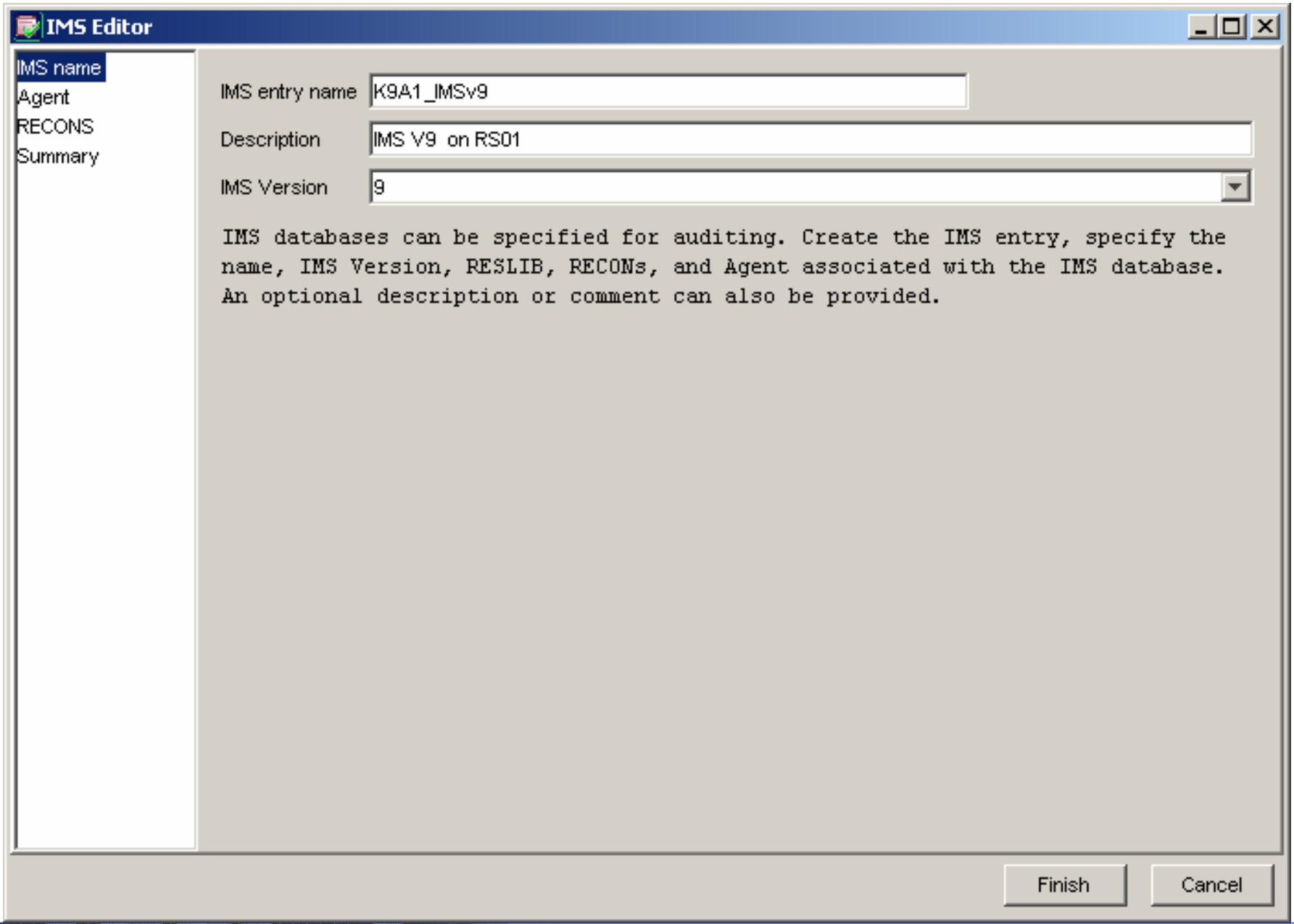

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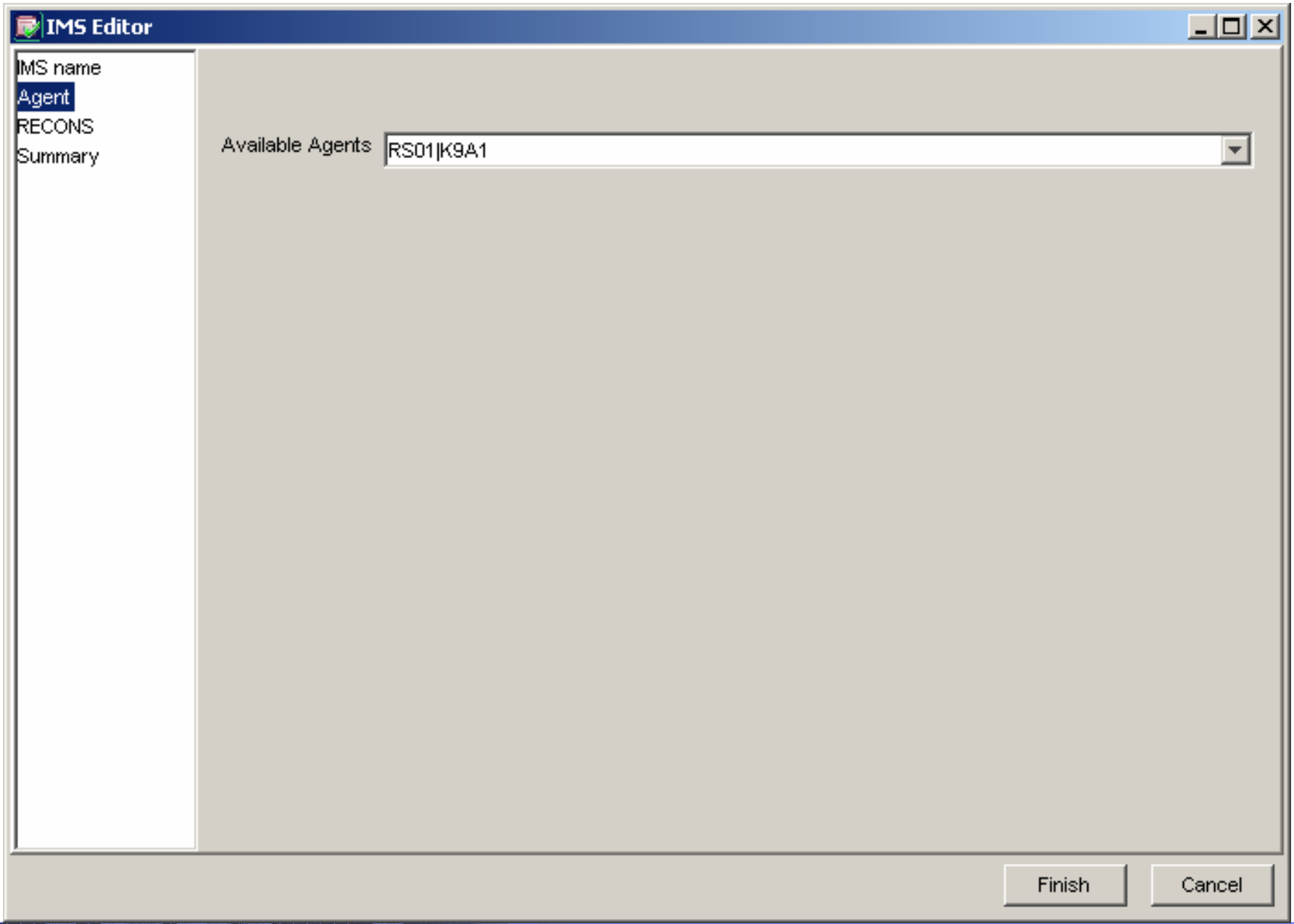

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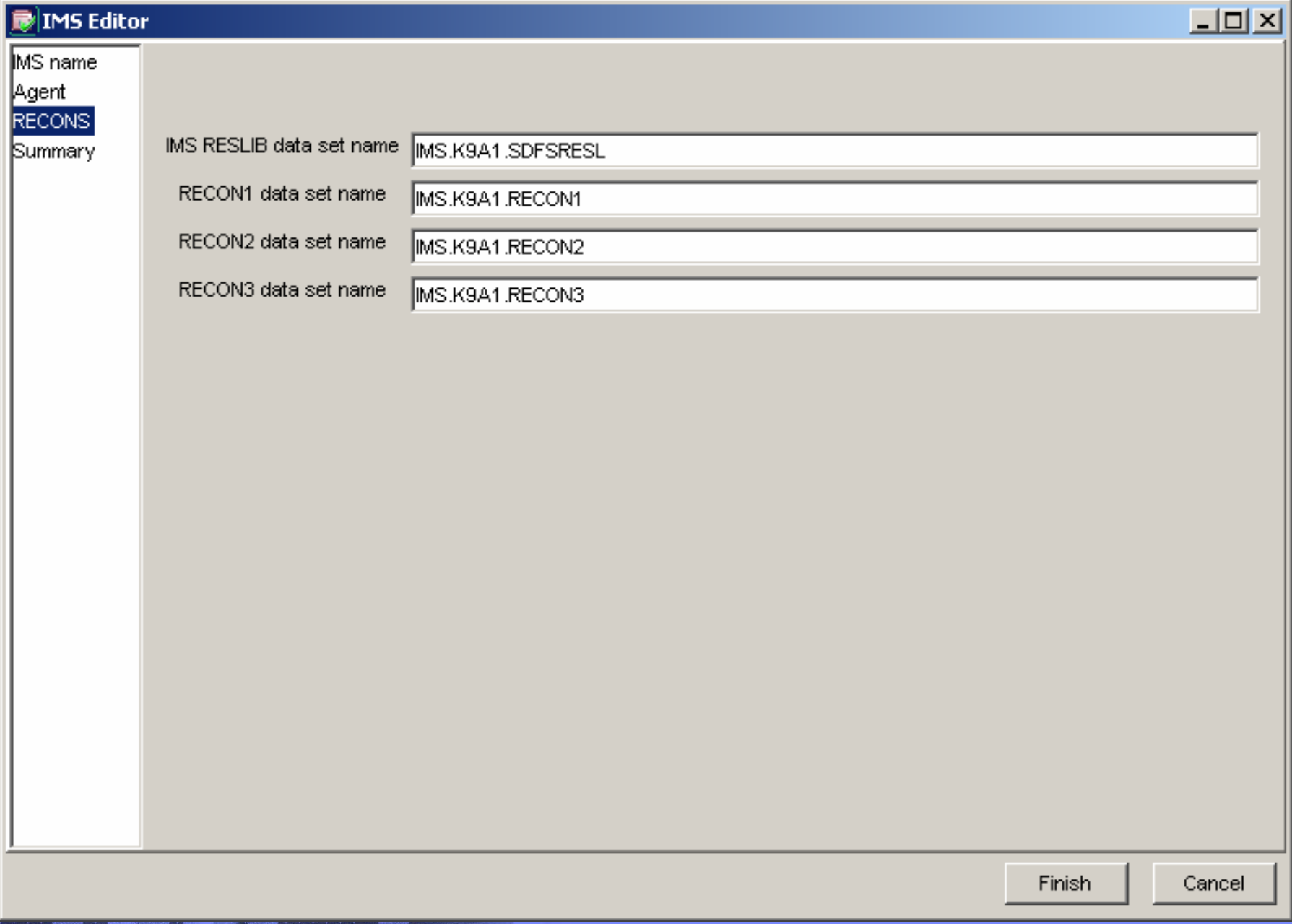

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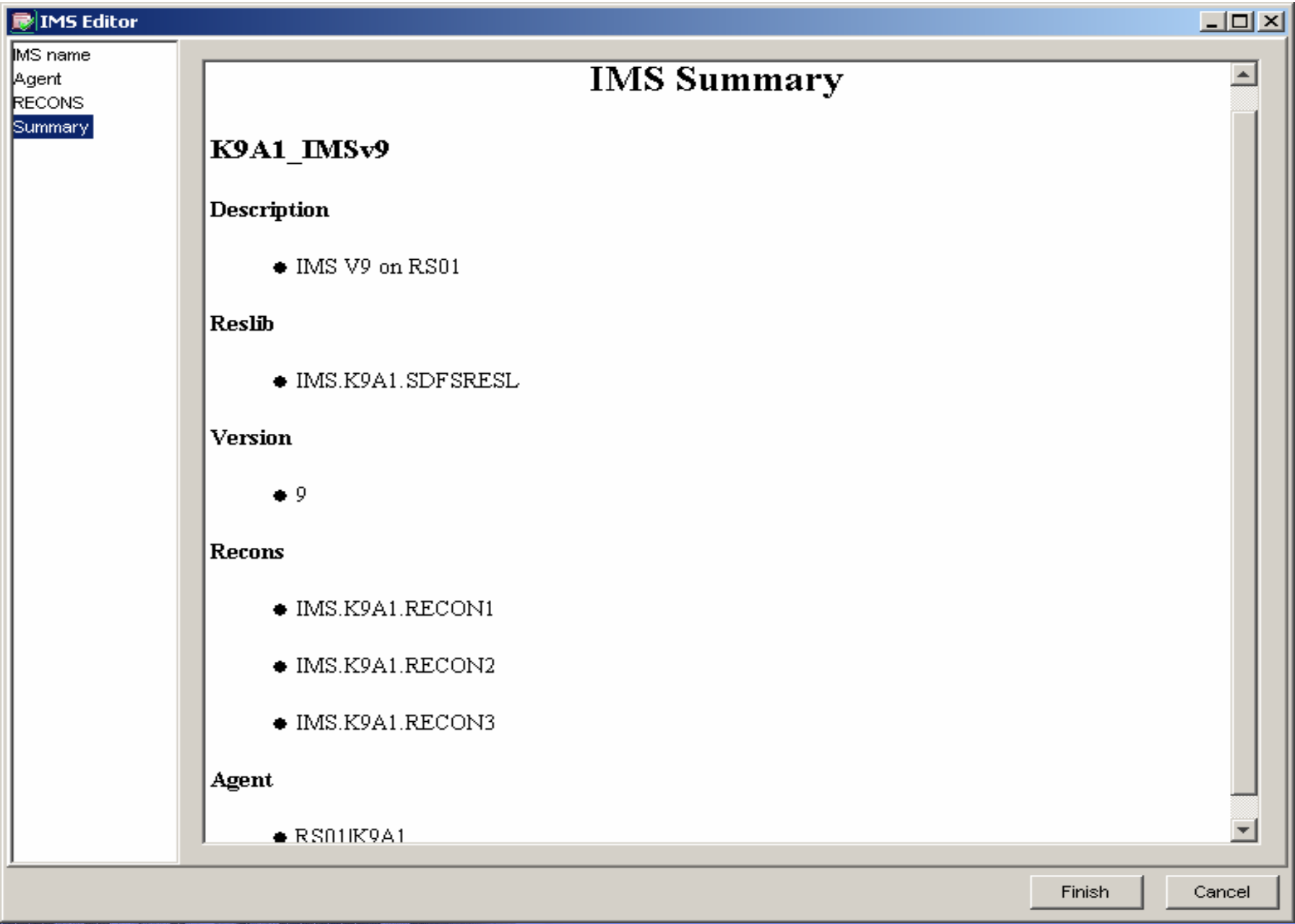

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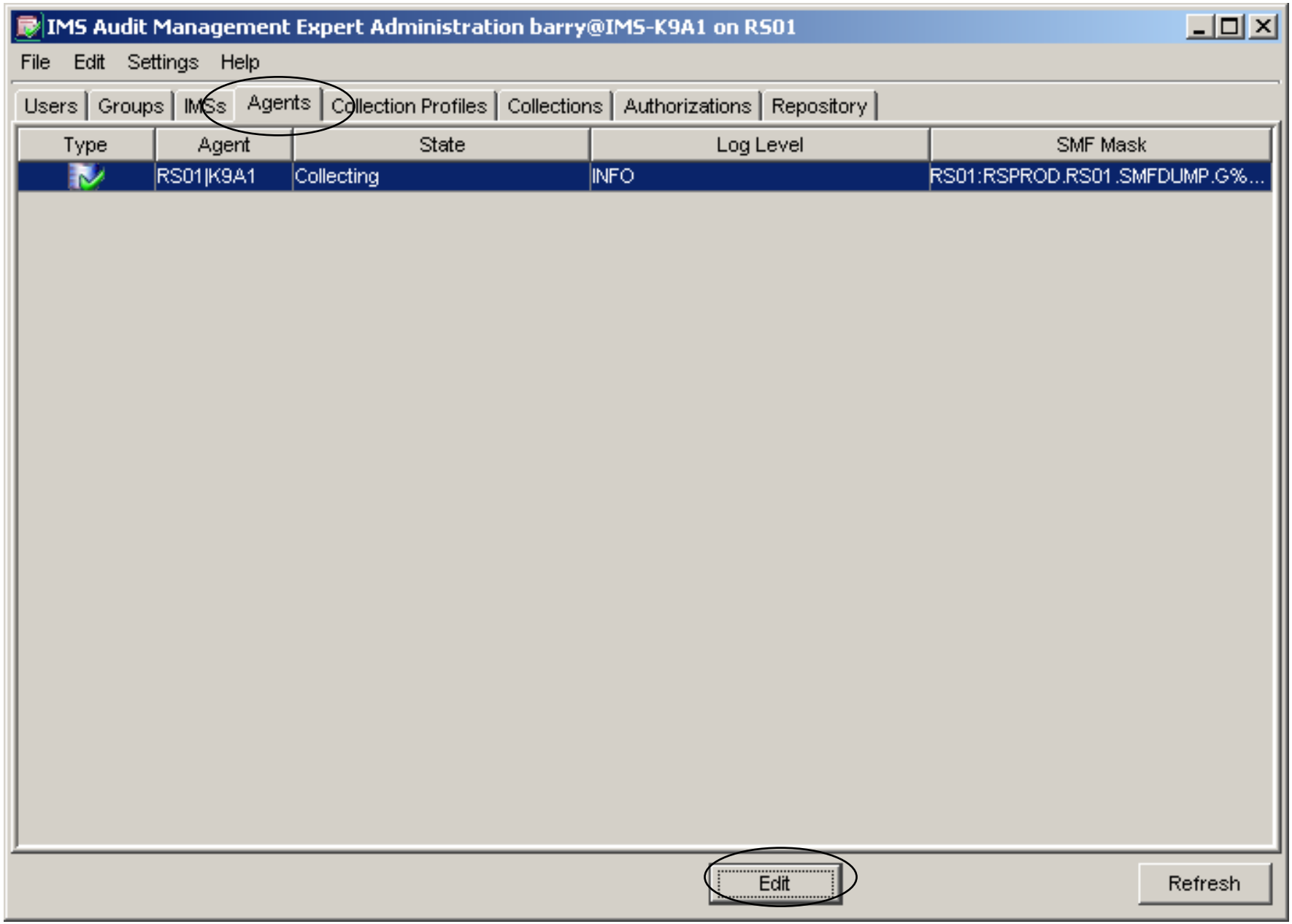

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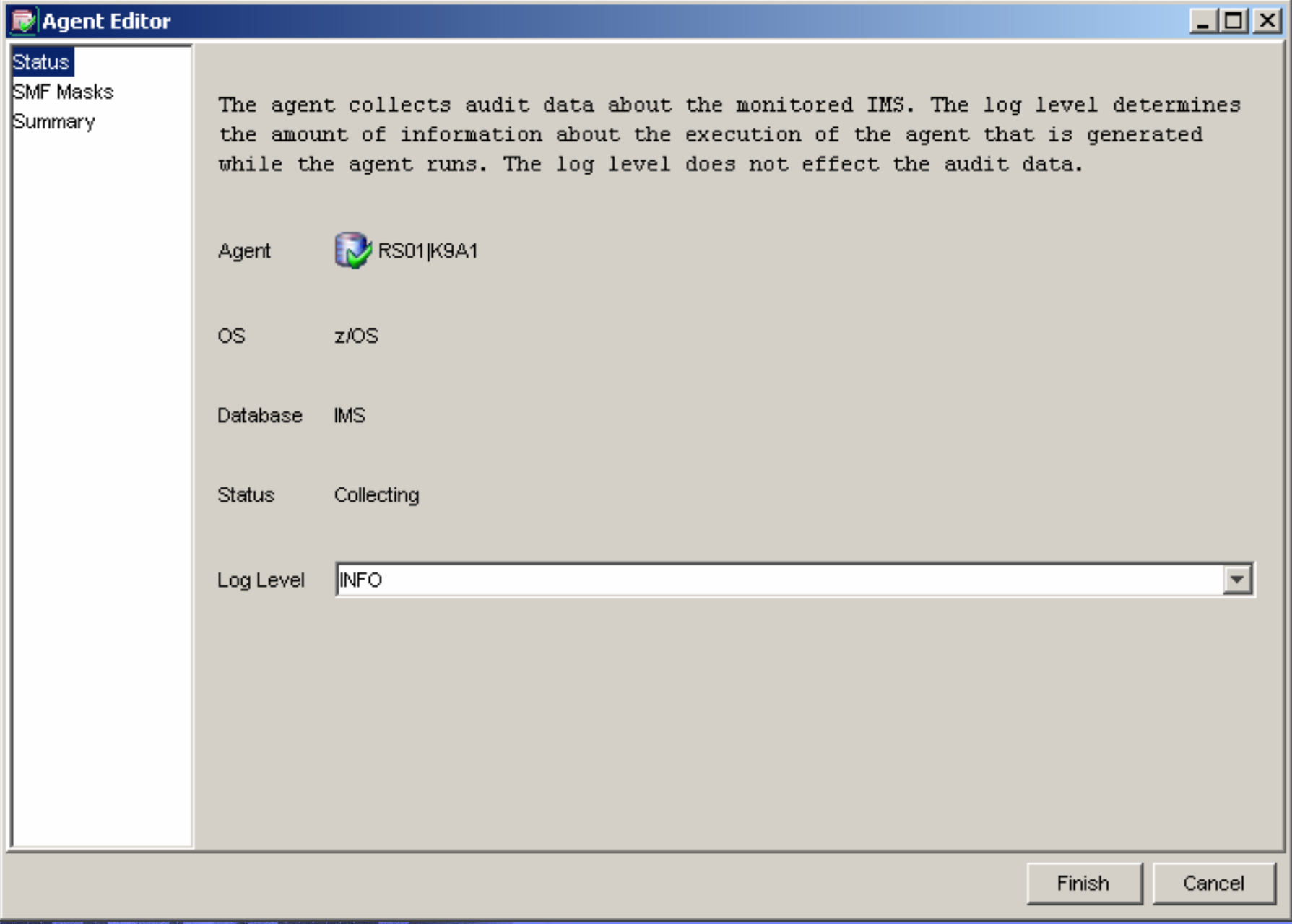

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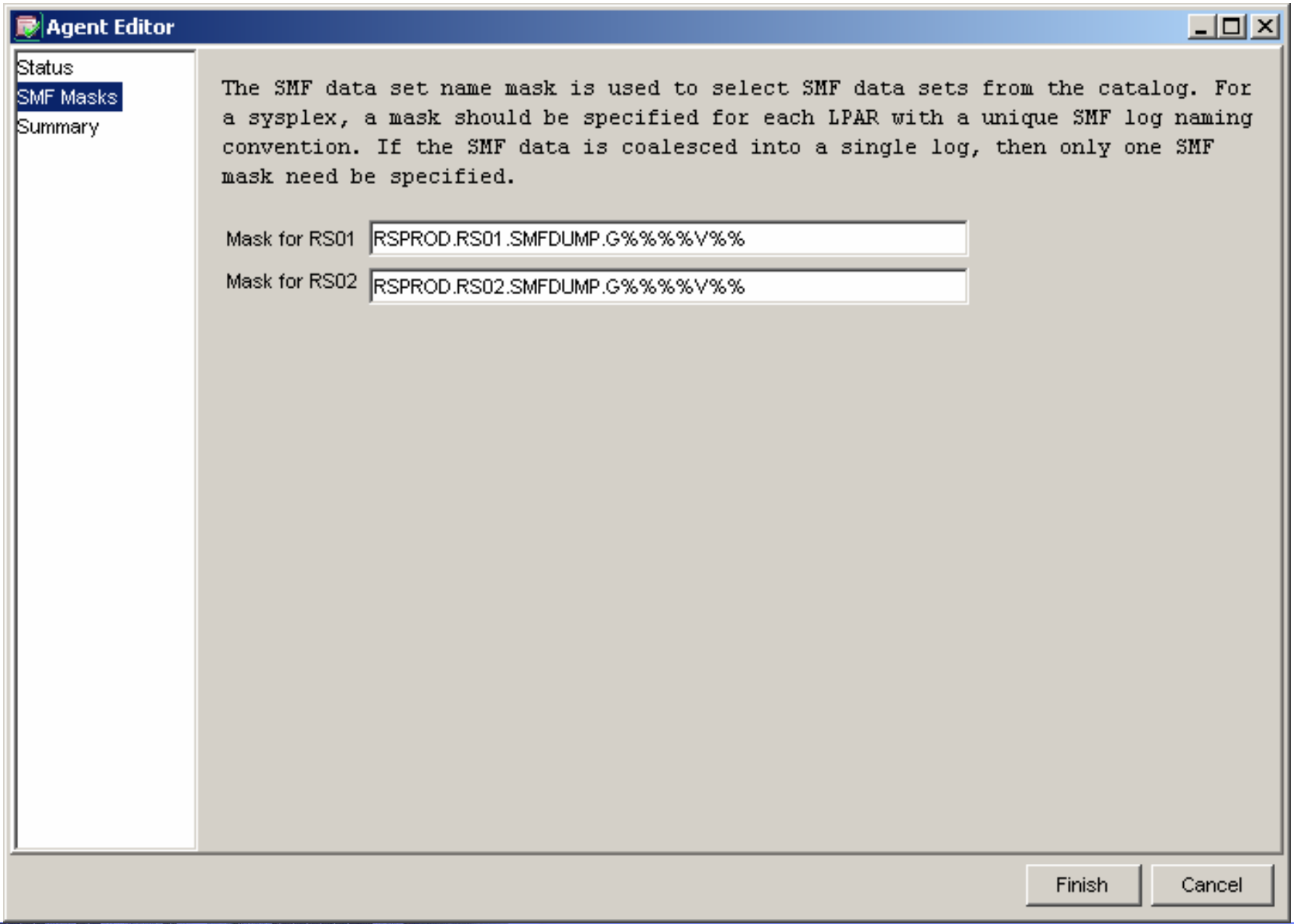

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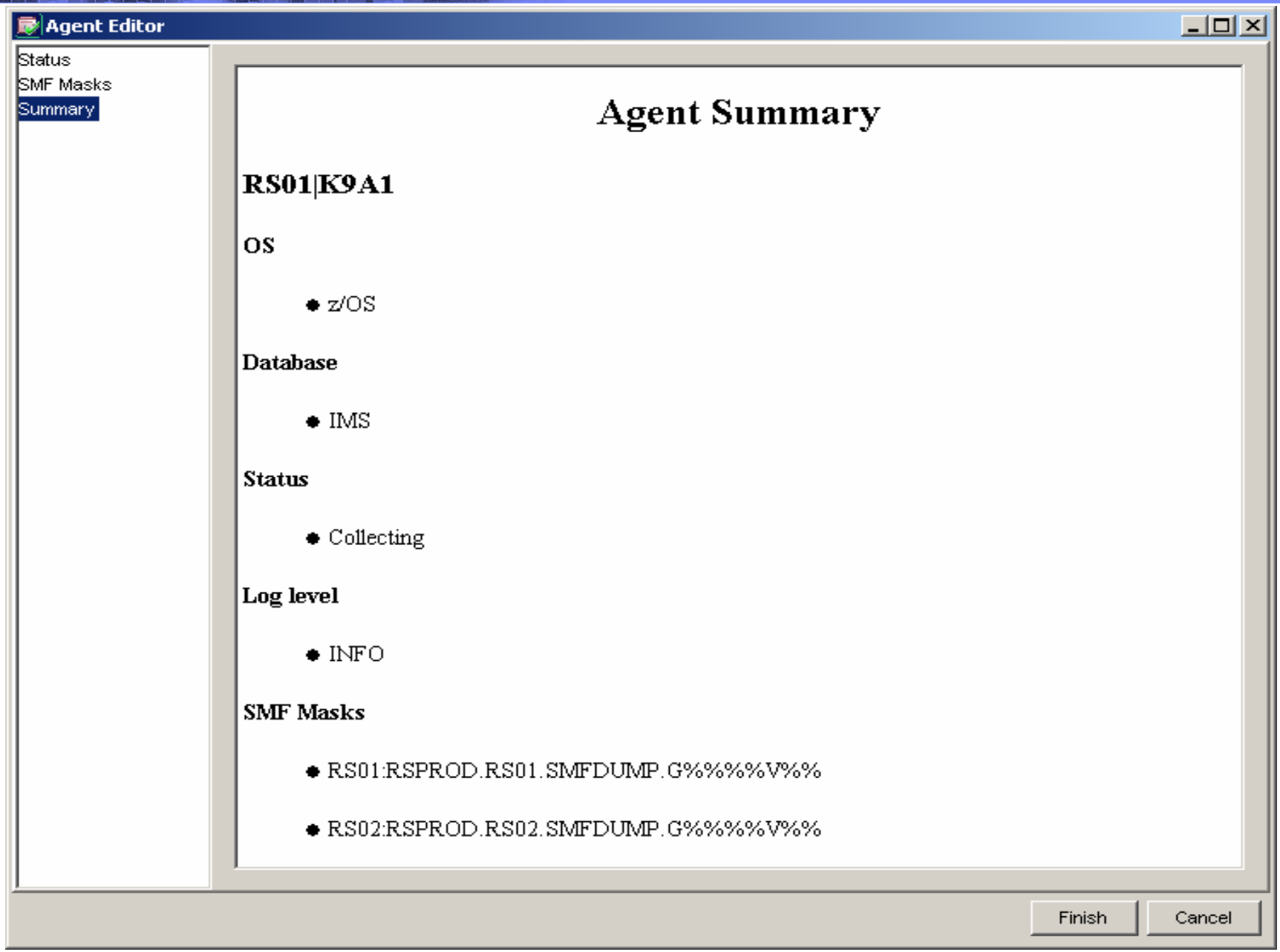

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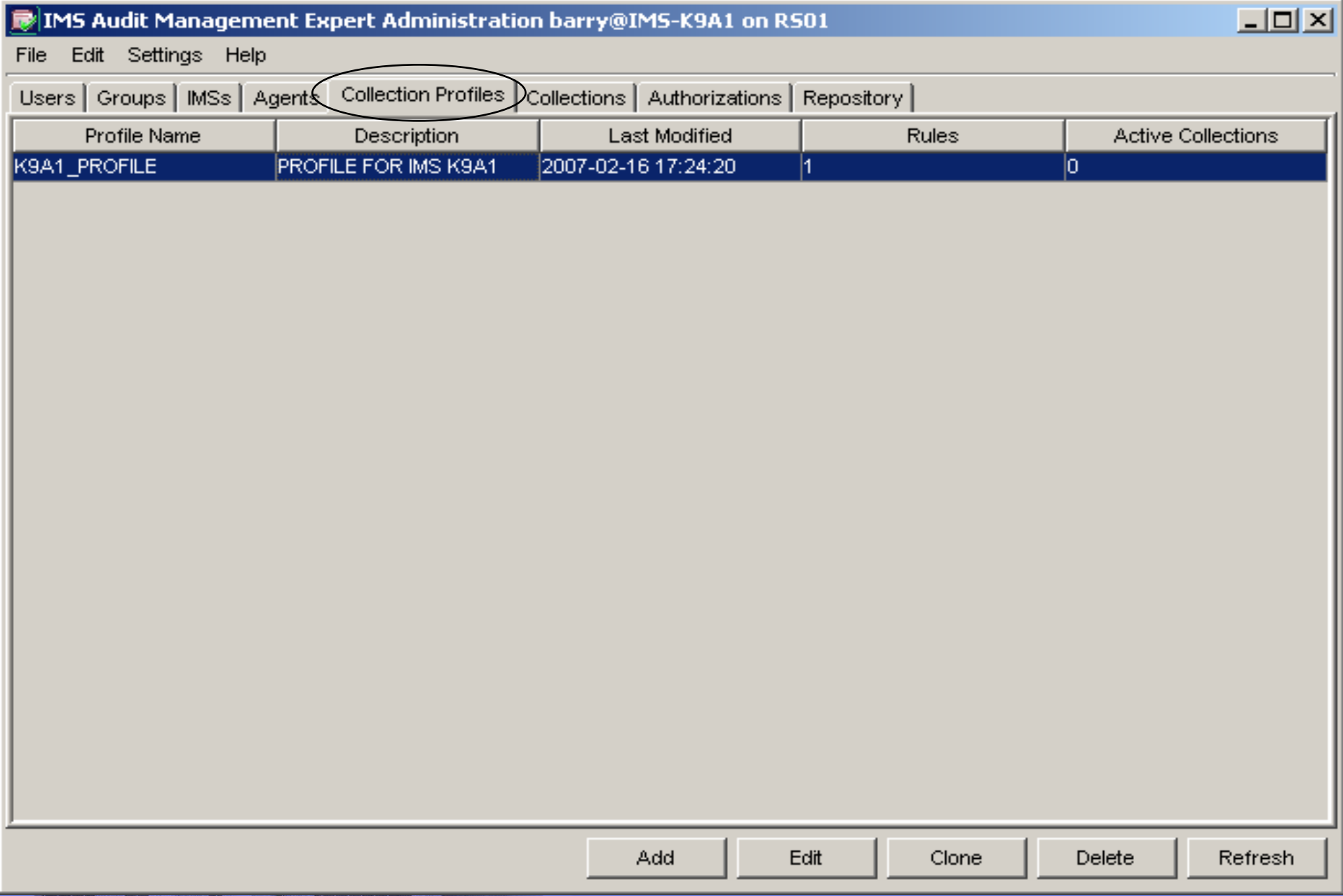

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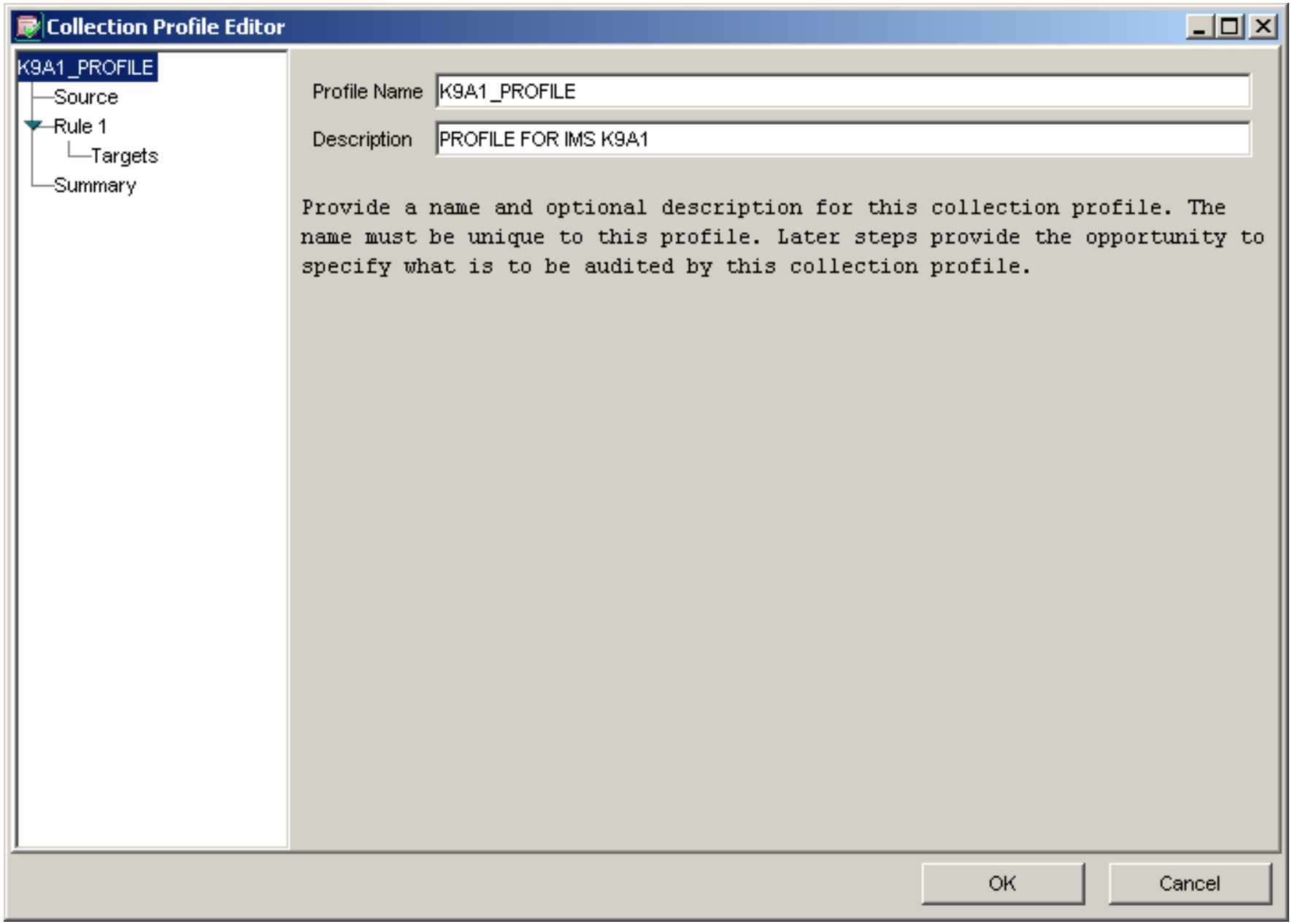

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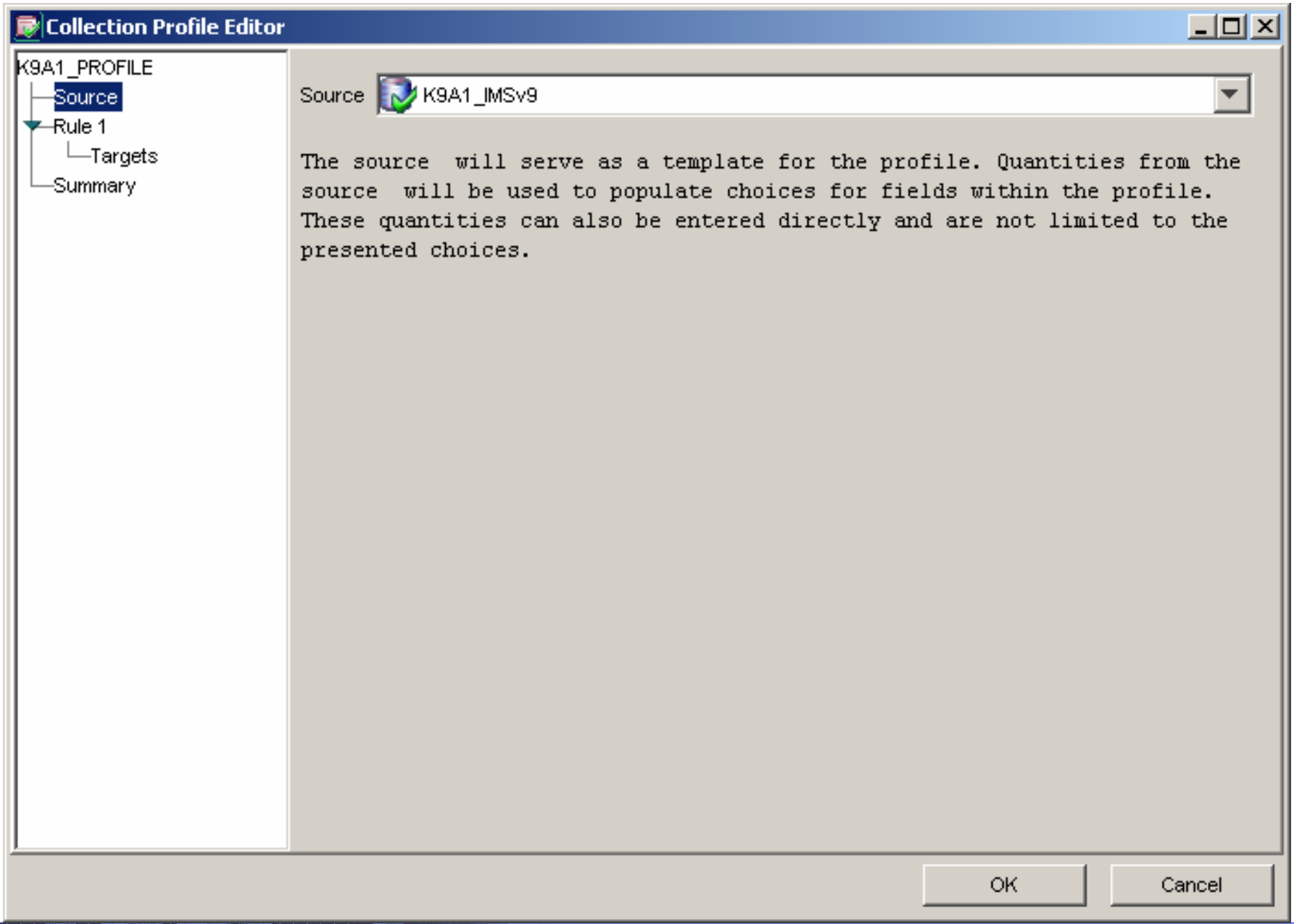

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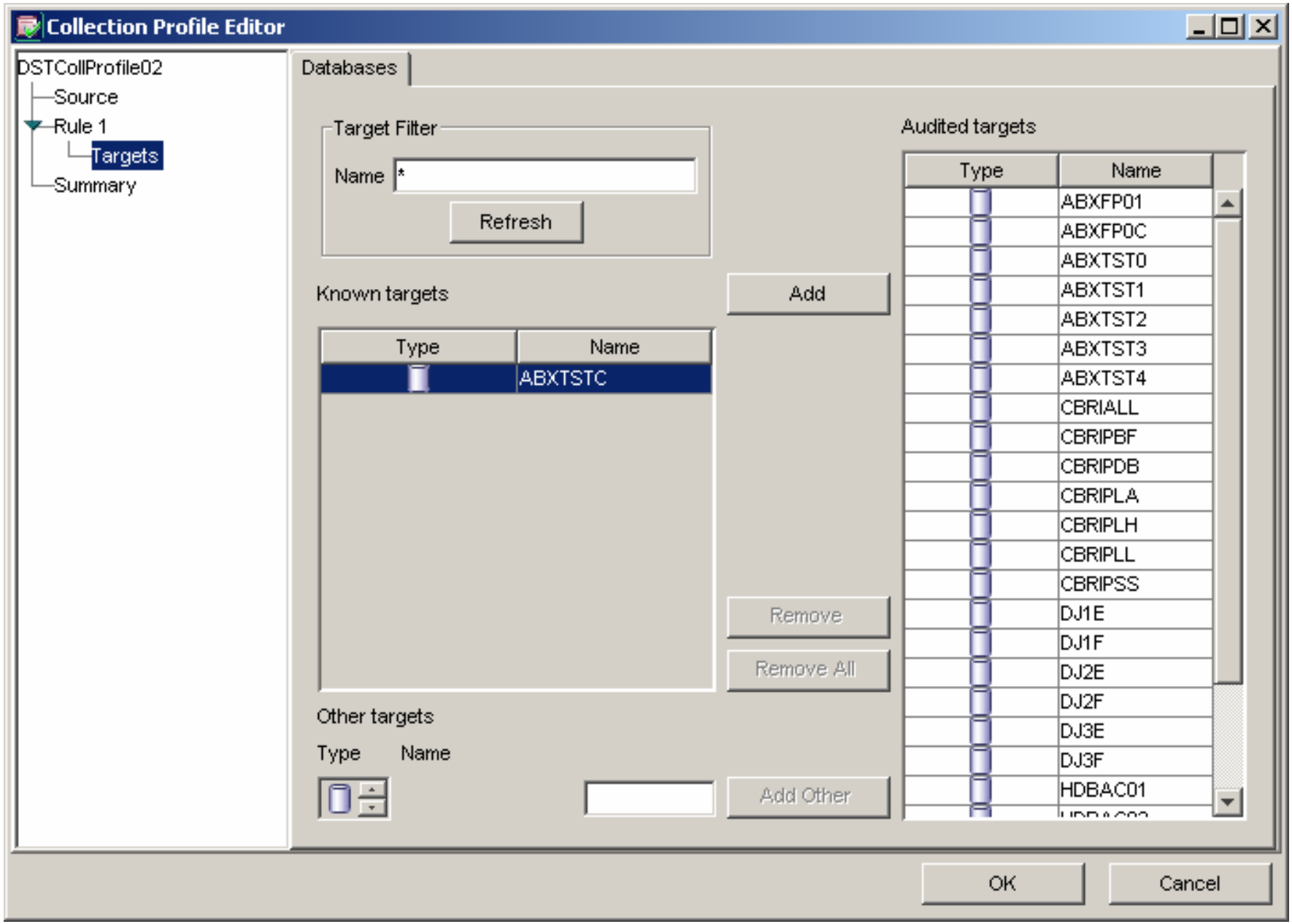

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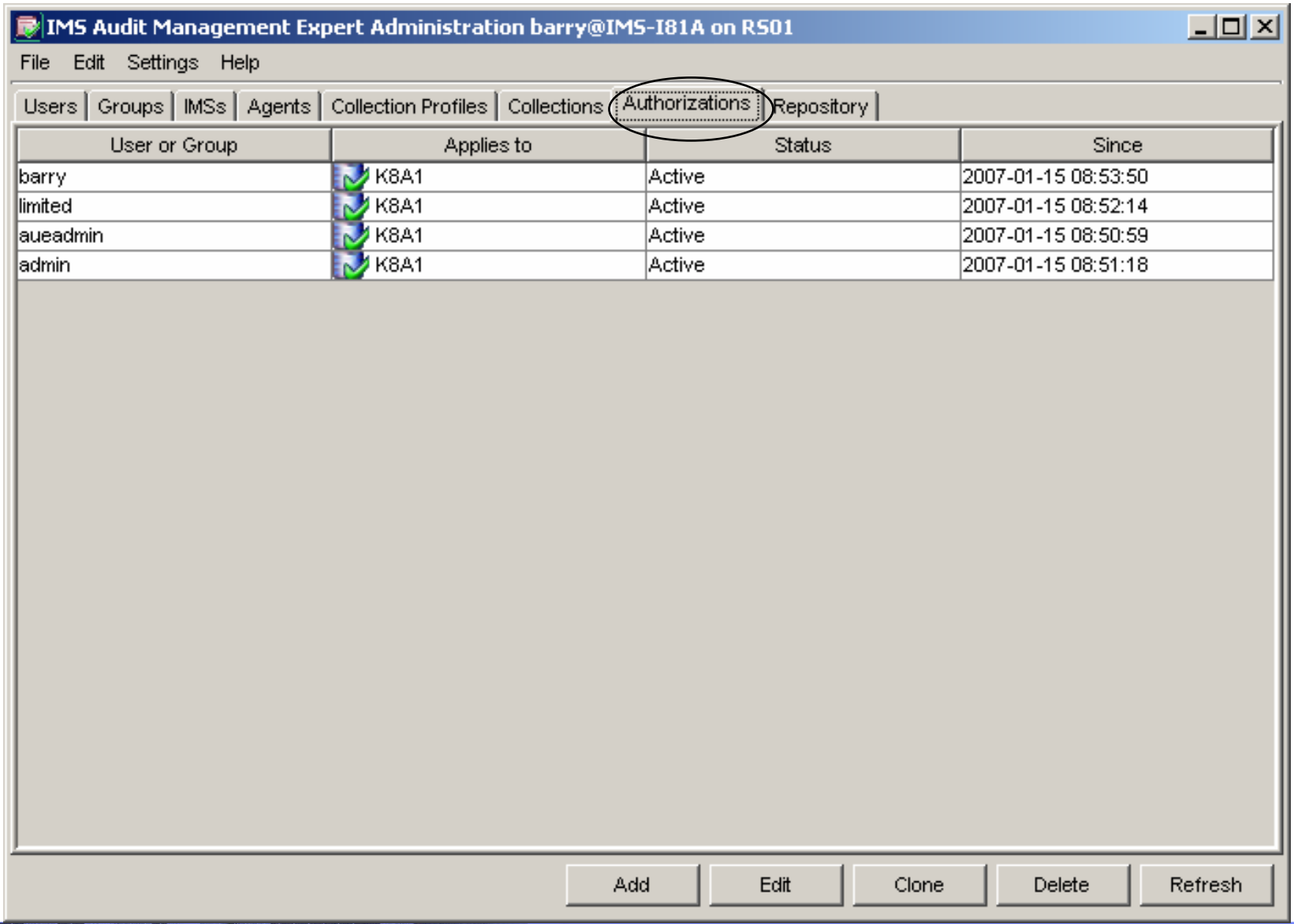

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Questions

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