Auditing Business Services

The Business Service Administration subsystem provides several queries and logs you can use.

Tip:
You can also use the **Service Audit** window on the client to audit business services. For information on this window in the Eclipse plug-in, see Audit Business Services. For information on this window in the Natural plug-in, see Audit Business Services.

This section covers the following topics:

- Queries and Logs for Servers

- Queries and Logs for User and Group Tables

- Queries and Logs for Natural Business Services Security

Queries and Logs for Servers

You can view query and log query panels containing information about servers used with Natural Business Services. This section covers the following topics:

- Access the Query Panels

- Access the Log Query Panels

Access the Query Panels

▶ **To access the query panels:**

1. Enter "SA" in Function on the Business Service Administration Subsystem main menu.

   The System Administration main menu is displayed.

2. Enter "QM" in Function.

   The System Administration Query menu is displayed. For example:

```
 BSSQMENS    ***** Business Service Administration Subsystem *****        CDLAYMN1
 Feb 14,06              - System Administration Query Menu -              09:35 PM

                    Functions
                    ---------------------------------------------------
                    SE   Query Services

                    CL   Query Communication Logs


                    GR   Query Group Table
                    US   Query User Table
                    UG   Query User's Groups

                    ?   Help
                    .   Terminate
                    ---------------------------------------------------
 Function .......... __


 Command .......... _____
 Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      help  retrn quit        flip                                       main
```

3. Enter a function code in Function to display the corresponding query or log panel.

   The function codes and functions are:

Function Code	Function	Description
SE	Query Servers	Displays existing servers and their characteristics as defined on the Maintain Servers panels.
CL	Query Communications Logs	Displays messages that occurred during the operation of servers.

Access the Log Query Panels

▶ **To access the log query panels:**

1. Enter "SA" in Function on the Business Service Administration Subsystem main menu.

   The System Administration main menu is displayed.

2. Enter "LM" in Function.

   The System Administration Log Query menu is displayed. For example:

```
BSSLMENU   ***** Business Service Administration Subsystem *****        CDLAYMN1
Feb 14,06            - System Administration Log Query Menu -           09:36 PM

                    Functions
                    -------------------------------------------------
                    LT    Log by Time Query Menu
                    LV    Log by Value Query Menu




                    ?   Help
                    .   Terminate
                    -------------------------------------------------
Function .......... __


Command .......... _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      help  retrn quit        flip                                     main
```

3. Enter a function code in Function to display the corresponding query or log query menu.

The function codes and functions are:

Function Code	Function	Description
LT	Log by Time Query menu	Invokes the Log by Time Query menu, where you can view Server logs and Control Record logs. The log information is presented in time order, beginning with the most recent log.
LV	Log by Value Query menu	Invokes the Log by Value Query menu, where you can view server logs. The values (for example, business service names) are presented in alphanumeric order, along with log information such as system activities and changes to records, messages, dates, and times.

Queries and Logs for User and Group Tables

You can view queries and logs containing information about the user and group tables. This section covers the following topics:

- Under Natural Business Services Security

- Under Natural Security

Under Natural Business Services Security

When only using Natural Business Services security, you can view queries for the group and user tables and logs of the activities performed on the tables.

Access the Query Panels

▶ **To access the user or group table query panels:**

1. Enter "SA" in Function on the Business Service Administration Subsystem main menu.

    The System Administration main menu is displayed.

2. Enter "QM" in Function.

    The System Administration Query menu is displayed (for an example of this menu, see System Administration Query Menu).

3. Enter a function code in Function to display the corresponding query or log panel.

    The function codes and functions are:

Function Code	Function	Description
GR	Query Group Table	Displays the List Groups window, showing existing groups and their characteristics. Enter a group ID or starting value in the appropriate field to scroll to particular groups.
US	Query User Table	Displays the List Users window, showing existing users of type "P" and their characteristics. Enter a user ID or starting value in the appropriate field to scroll to a particular user.

Access the Log Query Panels

▶ **To access the log query panels:**

1. Enter "SA" in Function on the Business Service Administration Subsystem main menu.

    The System Administration main menu is displayed.

2. Enter "LM" in Function.

    The System Administration Log Query menu is displayed (for an example of this menu, see System Administration Log Query Menu).

3. Enter a function code in Function to display the corresponding query or log query menu.

The function codes and functions are:

Function Code	Function	Description
LT	Log by Time Query menu	Invokes the Log by Time Query menu, where you can view log information, such as actions, dates, and times. This information is presented in time order, beginning with the most recent log.
LV	Log by Value Query menu	Invokes the Log by Value Query menu, where you can view server logs. The values (for example, group names) are presented in alphanumeric order, along with log information, such as actions, dates, and times.

Under Natural Security

When using Natural Security, you can view query panels for the group and user tables and the user groups.

Access the Query Panels

▶ **To access the query panels under Natural Security:**

1. Enter "SA" in Function on the Business Service Administration Subsystem main menu.

   The System Administration main menu is displayed.

2. Enter "QM" in Function.

   The System Administration Query menu is displayed (for an example of this menu, see System Administration Query Menu).

3. Enter a function code in Function to display the corresponding query or log panel.

   The function codes and functions are:

Function Code	Function	Description
GR	Query Group Table	Displays the List Groups window, showing existing groups and their characteristics. Enter a group ID or starting value in the appropriate field to scroll to particular groups.
US	Query User Table	Displays the List Users window, showing existing users of type "P" and their characteristics. Enter a user ID or starting value in the appropriate field to scroll to a particular user.
UG	Query User's Groups	Displays the List Groups for a User window. ● Enter a user ID in User ID to display the groups to which the user belongs. ● Enter a starting value in Start group value to scroll to a particular group.

Queries and Logs for Natural Business Services Security

You can view queries and logs containing information about Natural Business Services security settings.

Access Query and Log Panels

▶ **To access the query and log panels for Natural Business Services security settings:**

1. Enter "AA" in Function on the Business Service Administration Subsystem main menu.

   The Application Administration main menu is displayed.

2. Enter "QM" in Function.

   The Application Administration Query menu is displayed. For example:

```
 BSAQMENU    ***** Business Service Administration Subsystem *****      CDLAYMN1
 Feb 15,06           - Application Administration Query Menu -          10:26 PM

                    Functions
                    -------------------------------------------------
                    AS   Query Application Service Definitions

                    OG   Query Object Security by Group
                    OD   Query Object Security by Domain
                    SC   Query Security Logs

                    DO   Query Domain Table
                    ST   Query Steplib Table

                    ?   Help
                    .   Terminate
                    -------------------------------------------------
 Function .......... __



 Command .......... _____
 Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
       help  retrn quit        flip                                      main
```

3. Enter the appropriate function code in Function to display the corresponding query panel.

    The available functions are:

Function Code	Function	Description
OG	Query Service Security by Group	Displays groups in alphanumeric order, as well as their domains, services, methods, and security settings.
OD	Query Service Security by Domain	Displays domains in alphanumeric order, as well as the groups, services, methods, and security settings.
SC	Query Security Logs	Displays security messages generated in response to errors. Messages are listed in date and time order, beginning with the most recent message.