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Oracle SQL Firewall Data Dictionary Views and Example Queries

Oracle provides a set of data dictionary views that enable you to find different kinds of information about the Oracle SQL Firewall protections that you have configured.

4.1 Oracle SQL Firewall Data Dictionary Views

Oracle Database provides a set of data dictionary views that provide information about Oracle SQL Firewall configurations.

[Table 4-1](#) lists these data dictionary views.

Table 4-1 Data Dictionary Views That Display Oracle SQL Firewall Information

View	Description
DBA_SQL_FIREWALL_ALLOW_LISTS	Lists the status and generation date of the user's allow-lists
DBA_SQL_FIREWALL_ALLOWED_IP_ADDR	Lists the allowed IP addresses for a user
DBA_SQL_FIREWALL_ALLOWED_OS_PROG	Lists the allowed operating system programs for a user
DBA_SQL_FIREWALL_ALLOWED_OS_USER	Lists the allowed operating system users for a user
DBA_SQL_FIREWALL_ALLOWED_SQL	Lists information about the allowed SQL statements for a user, including the allowed SQL ID and the allow-list version of the allowed SQL
DBA_SQL_FIREWALL_CAPTURE_LOGS	Lists log information for a user's SQL Firewall configuration, such as the database user name, SQL text, accessed objects, and the SQL Firewall session ID
DBA_SQL_FIREWALL_CAPTURES	Lists the status SQL Firewall captures, such as whether they are enabled
DBA_SQL_FIREWALL_SESSION_LOGS	Lists information about the SQL Firewall session, such as the session ID, database user name, and client program
DBA_SQL_FIREWALL_SQL_LOGS	Lists information about the SQL logs, such as the SQL text, the command type, the SQL signature, accessed objects, and the character set
DBA_SQL_FIREWALL_STATUS	Lists the status of an SQL Firewall configuration, such as whether it is enabled and what its timestamp is
DBA_SQL_FIREWALL_VIOLATIONS	Provides a detailed report on SQL Firewall violations, including information such as the objects that were accessed, the user the SQL was run on, and whether the action was blocked or allowed

Related Topics

- [Oracle Database Reference](#)

4.2 Query to Find a User's Allowed SQL and Accessed Objects

The `DBA_SQL_FIREWALL_ALLOWED_SQL` data dictionary view shows the SQL that a user is allowed to use.

For example:

```
SELECT SQL_TEXT, ACCESSED_OBJECTS FROM DBA_SQL_FIREWALL_ALLOWED_SQL WHERE USERNAME = 'HR';
```

SQL_TEXT	ACCESSED_OBJECTS
SELECT COUNT(*) FROM HR.EMPLOYEES	"HR"."EMPLOYEES"

Related Topics

- *Oracle Database Reference*

4.3 Query to Find a User's Allowed IP Address

The `DBA_SQL_FIREWALL_ALLOWED_IP_ADDR` data dictionary view shows the IP address that a user is allowed to use.

For example:

```
SELECT IP_ADDRESS FROM DBA_SQL_FIREWALL_ALLOWED_IP_ADDR WHERE USERNAME = 'HR';
```

IP_ADDRESS
192.0.2.1

Related Topics

- *Oracle Database Reference*

4.4 Query to Find a User's Oracle SQL Firewall Violations

The `DBA_SQL_FIREWALL_VIOLATIONS` data dictionary view shows the Oracle SQL Firewall violations that a user has committed.

For example:

```
SELECT SQL_TEXT, OCCURRED_AT, FIREWALL_ACTION FROM DBA_SQL_FIREWALL_VIOLATIONS WHERE USERNAME = 'HR';
```

SQL_TEXT	OCCURRED_AT	FIREWALL_ACTION
SELECT COUNT(*) FROM HR.EMPLOYEES	12-OCT-23 10.30.02.238383 AM +00:00	BLOCKED

Related Topics

- *Oracle Database Reference*