Security Manager: Role Selections

Choose from the following topics.

Click on ...	to ...
Concept	learn about the role tool
Procedure 1	monitor the database roles
Procedure 2: New Role	create new database roles
Procedure 3: Modify Role	modify existing database roles
Elements 1	read a description of the role screen elements
Elements 2: New Role	read a description of the “New Role” screen elements
Elements 3: Modify Role	read a description of the “Modify Role” screen elements

Security Manager: Role Concept

The Role utility is used to create roles, grant privileges to roles, and delete roles.
A role is a named set of privileges or other roles to which users can be assigned. When the privileges of a role are changed, the privileges granted to users assigned to that role are globally changed. **Only users with DBA privileges may create, grant, revoke, and delete roles.**

Security Manager: Role Screen Elements 1

The elements of the initial role screen are listed below, along with a description of their functions.

Screen Element	Type	Description
Role Information	Text and Radio Button	Shows all roles and password requirements.
Create Role	Button	Generates another screen for entering new role information.
Modify Role	Button	Generates another screen for changing privileges and password information for existing roles.
Drop Role	Button	Generates a confirmation query before deleting roles.

Security Manager: Role Procedure 1

Perform the following steps to successfully monitor the database roles.

1. Do you want to monitor the roles of the database in which you are currently?
   - If yes, continue with step 2.
   - If no, choose the appropriate database from your bookmarks or hotlist.
2. Do you want to work on an existing role?
   - If yes, continue with step 3.
   - If no, click on the “New Role” button.

Result

You will be sent to another screen.

3. Select the role you’d like to work on by clicking on the radio button.
4. Use the following table to determine your next action.

Select …	if you want to …
Modify Role	change an existing role. This will send you to another screen.
Drop Role	delete an existing role. A confirmation query will be generated

before your selection is deleted.

Security Manager: Role Screen Elements 2: New Role

The elements of the “New Role” screen are listed below, along with a description of their functions.

Screen Element	Type	Description
Role Name	Text Field	Allows you to enter a new role name.
Password	Text Field	Allows you to enter a password for the new role. This is optional.
Confirm Password	Text Field	Allows you to confirm the password you entered. If both password entries do not match, you will not be able to proceed with your request.
Reset	Button	Resets all text fields and check boxes.
Create	Button	Enters the role information into the database.
Roles	Check Boxes	Indicate the groups of privileges assigned to the role.
Privileges	Check Boxes	Indicate the individual privileges assigned to the role. Privileges are grouped together under common tasks.

Security Manager: Role Procedure 2: New Role

Perform the following steps to enter information for new roles.

1. Enter the name of the role in the field shown.
2. Enter the role password twice, if required. If no password is required, you can leave the password and confirmation fields blank.

Note:

If both password entries do not match, you will not be able to proceed with your request until you correctly re-enter the password.

3. Select the roles and privileges you would like to grant or revoke for this role.
4. Have you entered all information correctly?
    - If yes, press the “Submit” button.
    - If no, press the “Reset” button and begin again.

Result

You have now updated role information from a security standpoint.

Security Manager: Role Screen Elements 3: Modify Role

The elements of the “Modify Role” screen are listed below, along with a description of their functions.

Screen Element	Type	Description
Role Name	Text Field	Allows you to enter a role name to be modified.
Password	Text Field	Allows you to enter a password for the role if it is required.
Confirm Password	Text Field	Allows you to confirm the password you entered. If both password entries do not match, you will not be able to proceed with your request.
Reset	Button	Resets all text fields and check boxes.
Modify	Button	Enters the role information into the database.

Roles	Check Boxes	Indicate the groups of privileges assigned to the role.
Privileges	Check Boxes	Indicate the individual privileges assigned to the role. Privileges are grouped together under common tasks.

Security Manager: Role Procedure 3: Modify Role

Perform the following steps to change information for existing roles.

1. Enter the name of the role in the field shown.
2. Enter the role password twice, if required. If no password is required, you can leave the password and confirmation fields blank.

Note:

If both password entries do not match, you will not be able to proceed with your request until you correctly re-enter the password.

3. Select the check boxes of the roles and privileges you would like to grant or revoke for this role.
4. Have you entered all information correctly?
   - If yes, press the “Submit” button.
   - If no, press the “Reset” button and begin again.

Result

You have now updated role information from a security standpoint.

Security Manager: User Selections

Choose from the following topics.

Click on ...	to ...
Concept	learn about the user tool
Procedure 1	monitor the database users
Procedure 2: New User	create information for new users
Procedure 3: Modify User	modify information for existing users
Elements 1	read a description of the initial user screen elements
Elements 2: New User	read a description of the “New User” screen elements
Elements 3: Modify User	read a description of the “Modify User” screen elements

Security Manager: User Concept

The User utility is used to create users, grant or revoke user privileges, modify user passwords, and delete users.
A user is an individual who has been granted access to the database for a particular purpose. Each user has certain access rights, or privileges, to the database.

Creating User Accounts

Each user of the database must have an account, consisting of a user name and password. When you create a user account, the user is automatically granted CONNECT privileges, allowing that user to connect to the database. **Only users with DBA privileges may create a user account.**

Granting /Revoking User Privileges

Privileges are assigned to all users in order to control their access to the database and their ability to perform various database tasks. When a new user account is created, that user is automatically assigned CONNECT privileges. Additional privileges must be assigned to give that user additional access to data and database objects. **Only users with DBA privileges may grant or revoke user privileges.** However, all users may view the privileges that have been granted to them.

Changing Passwords

User passwords should be changed frequently to ensure database security. All users may change their own passwords. **Only users with DBA privileges may change another user's password.**

Deleting User Accounts

A user account is deleted if that user name and password combination should no longer connect to the database. **Only users with DBA privileges may delete user accounts.**

Security Manager: User Screen Elements 1

The elements of the initial user screen are listed below, along with a description of their functions.

Screen Element	Type	Description
User Account	Text and Radio Button	Shows the following information about all available user accounts: - user name - user ID - creation date
Create User	Button	Generates another screen for entering new user information.
Modify User	Button	Generates another screen for changing user information in existing user accounts.
Drop User	Button	Generates a confirmation query before deleting user accounts.

Security Manager: User Procedure 1

Perform the following steps to successfully monitor the database users.

1. Do you want to monitor the users of the database in which you are currently?
   - If yes, continue with step 2.
   - If no, choose the appropriate database from your bookmarks or hotlist.
2. Do you want to work on an existing user's account?
   - If yes, continue with step 3.
   - If no, click on the "New User" button.

Result

You will be sent to another screen.

3. Select the user account you'd like to work on by clicking on the radio button.
4. Use the following table to determine your next action.

Select …	if you want to …

Modify User	change an existing user account. You can only modify user information for others if you have alter privileges. This will send you to another screen.
Drop User	delete an existing user account. A confirmation query will be generated before your selection is deleted.

Security Manager: User Screen Elements 2: New User

The elements of the “New User” screen are listed below, along with a description of their functions.

Screen Element	Type	Description
User Name	Text Field	Allows you to enter a new user name.
Password	Text Field	Allows you to enter a password for the new user.
Confirm Password	Text Field	Allows you to confirm the password you entered. If both password entries do not match, you will not be able to proceed with your request.
Reset	Button	Resets all text fields and check boxes.
Create	Button	Enters the user information into the database.
Roles	Check Boxes	Indicate the groups of privileges assigned to the user.
Privileges	Check Boxes	Indicate the individual privileges assigned to the user. Privileges are grouped together under common tasks.

Security Manager: User Procedure 2: New User

Perform the following steps to enter information for new users.

1. Enter the user name and the user password in the fields shown. Be sure to enter the user password in both the “Password” and “Confirm Password” fields.

Note:

If both password entries do not match, you will not be able to proceed with your request until you correctly re-enter the password.

2. Select the check boxes of the roles and privileges you would like to grant or revoke for this user account.

Note:

Each new user account is automatically granted connect privileges.

3. Have you entered all information correctly?
   - If yes, press the “Submit” button.
   - If no, press the “Reset” button and begin again.

Result

You have now updated user account information from a security standpoint.

Security Manager: User Screen Elements 3: Modify User

The elements of the “Modify User” screen are listed below, along with a description of their functions.

Screen Element	Type	Description
User Name	Text Field	Allows you to enter a user name to be modified.
Password	Text Field	Allows you to enter the password of the user to be modified.

Confirm Password	Text Field	Allows you to confirm the password you entered. If both password entries do not match, you will not be able to proceed with your request.
Reset	Button	Resets all text fields and check boxes.
Modify	Button	Enters the user information into the database.
Roles	Check Boxes	Indicate the groups of privileges assigned to the user.
Privileges	Check Boxes	Indicate the individual privileges assigned to the user. Privileges are grouped together under common tasks.

Security Manager: User Procedure 3: Modify User

Perform the following steps to successfully change information for existing user accounts.

1. Enter the user name in the field shown.
2. If you want to change the user password, enter the new password in both the “Password” and “Confirm Password” fields.

Note:

If both password entries do not match, you will not be able to proceed with your request until you correctly re-enter the password.

3. Select the check boxes of the roles and privileges you would like to grant or revoke for this user account.
4. Have you entered all information correctly?
    - If yes, press the “Submit” button.
    - If no, press the “Reset” button and begin again.

Result

You have now updated user account information from a security standpoint.