

# Intro to Linux

## Security

### 2.2.1 Account Creation and Deletion

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#### Lesson Overview:

**Students will:**

- Understand how to create and delete user accounts and groups using Linux utilities and understand how to check user and system information

**Guiding Question:** How does a Linux system manage accounts by adding and deleting?

**Suggested Grade Levels:** 9 - 12

**Technology Needed:** None

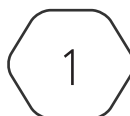
#### CompTIA Linux+ XK0-005 Objective:

2.2 - Given a scenario, implement identity management

- Account creation and deletion
  - Utilities
    - useradd
    - groupadd
    - userdel
    - groupdel
    - usermod
    - groupmod
    - id
    - who
    - w

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# Account Creation and Deletion

## Creating User Accounts and User Groups

To begin, open a terminal window on your Linux system. To create a new user account, you can use the **useradd** utility followed by the username you want to create. For example, to create a user named “john,” you would use the following command: **sudo useradd john**. You can also add more information about the user, such as their full name, by using the **usermod** command: **sudo usermod -c “John Smith” john**. This will set the user’s comment (usually the full name) to “John Smith.”

The **groupadd** command in Linux is used to create a new user group on the system. Groups can be used to manage and organize users with similar permissions or access rights. You can create a new user group with this command: **sudo groupadd mygroup**. Similar to the **usermod** command, you can use the **groupmod** command to modify user group properties. For example, if you wanted to change the name of your new group, you could use this command: **sudo groupmod -n new groupname mygroup**.

## Checking User and System Information

There are commands you can use to check user and system information. The **id** command displays user and group information. You can check a user’s information with the following command: **id johnsmith**. You can check to see if a user is currently logged in with the command **who**. The **w** command can provide detailed information about logged-in users.

## Deleting User Accounts and Groups

As with creating user accounts, open a terminal window. To delete a user account, use the **userdel** command followed by the username you want to remove. For example: **sudo userdel -r john**.

Similarly, the **groupdel** command is used to delete user groups. You can use the following command to delete a user group: **sudo groupdel mygroup**.