**Section 5 Video 2: User Setup and Management with FreeIPA**

**1. Introduction to User Management**

* **Objective:** Learn how to create, modify, and manage user accounts and groups in FreeIPA.

**2. Create a New User**

* **Step 1:** Add a new user.

ipa user-add username --first=First --last=Last --email=user@example.com

* **Explanation:** This command creates a new user with specified first name, last name, and email address.

**3. Modify User Information**

* **Step 1:** Change a user’s email address.

ipa user-mod username --email=newemail@example.com

* **Explanation:** The ipa user-mod command updates the user’s email address.

**4. Delete a User**

* **Step 1:** Remove a user account.

ipa user-del username

* **Explanation:** The ipa user-del command deletes the specified user account from FreeIPA.

**5. Disable a User Account**

* **Step 1:** Disable a user account.

ipa user-disable username

* **Explanation:** Disabling an account prevents login but retains the user’s data.

**6. Create and Manage Groups**

* **Step 1:** Add a new group.

ipa group-add groupname

* **Step 2:** Add a user to a group.

ipa group-add-member groupname --users=username

* **Explanation:** Groups are used to manage user permissions collectively.

**7. View User and Group Information**

* **Step 1:** Display user details.

ipa user-show username

* **Explanation:** The ipa user-show command provides detailed information about the user.

**8. Role-Based Access Control (RBAC)**

* **Step 1:** List all roles.

ipa role-list

* **Explanation:** RBAC allows assigning permissions based on predefined roles.