

# Working with Users and Groups in Linux

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# Overview



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## Account data

# Overview



Account data

Access control

# Overview



Account data

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Account activity data

# Overview



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Account activity data

Managing accounts

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Access control

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Managing accounts

Managing groups

# Understanding Linux Users

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# Admin Powers: Best Practices

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**Avoid using the root account**

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**Create unique accounts for each user**

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**Assign only necessary authority to each user**

# Admin Powers: Best Practices



Avoid using the root account



Create unique accounts for each user



Assign only necessary authority to each user



Use admin power only via sudo

# Administering Users and Groups

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# Review



```
sudo less /etc/shadow
```

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# Review



```
sudo less /etc/shadow
```

```
id ubuntu
```

# Review



`sudo less /etc/shadow`

`id ubuntu`

`last`

# Review



`sudo less /etc/shadow`

`id ubuntu`

`last`

`sudo useradd -m jane`

# Review



`sudo less /etc/shadow`

`id ubuntu`

`last`

`sudo useradd -m jane`

`ls -a /etc/skel`

# Review



`sudo less /etc/shadow`

`id ubuntu`

`last`

`sudo useradd -m jane`

`ls -a /etc/skel`

`sudo passwd jane`

# Review



`sudo less /etc/shadow`

`id ubuntu`

`last`

`sudo useradd -m jane`

`ls -a /etc/skel`

`sudo passwd jane`

`sudo groupadd secret-group`

# Review



```
sudo less /etc/shadow
```

```
id ubuntu
```

```
last
```

```
sudo useradd -m jane
```

```
ls -a /etc/skel
```

```
sudo passwd jane
```

```
sudo groupadd secret-group
```

```
sudo chown :secret-group /var/secret
```

# Review



```
sudo less /etc/shadow
```

```
id ubuntu
```

```
last
```

```
sudo useradd -m jane
```

```
ls -a /etc/skel
```

```
sudo passwd jane
```

```
sudo groupadd secret-group
```

```
sudo chown :secret-group /var/secret
```

```
sudo usermod -a -G secret-group jane
```