To use `rabbitmqadmin` for creating queues and binding them to exchanges, you can follow the steps below. Ensure you replace placeholders with your specific details.

### \*\*Creating Queues and Bindings with `rabbitmqadmin`\*\*

#### \*\*1. Create Queues\*\*

To declare queues using `rabbitmqadmin`, use the `declare queue` command.

\*\*For Vhost `/flight\_operations`:\*\*

```bash

rabbitmqadmin -H localhost -u myuser -p mypassword -V /flight\_operations declare queue name=flight\_queue durable=true

rabbitmqadmin -H localhost -u myuser -p mypassword -V /flight\_operations declare queue name=booking\_queue durable=true

rabbitmqadmin -H localhost -u myuser -p mypassword -V /flight\_operations declare queue name=ground\_queue durable=true

```

\*\*For Vhost `/booking\_management`:\*\*

```bash

rabbitmqadmin -H localhost -u myuser -p mypassword -V /booking\_management declare queue name=flight\_queue durable=true

rabbitmqadmin -H localhost -u myuser -p mypassword -V /booking\_management declare queue name=booking\_queue durable=true

rabbitmqadmin -H localhost -u myuser -p mypassword -V /booking\_management declare queue name=ground\_queue durable=true

```

\*\*For Vhost `/ground\_services`:\*\*

```bash

rabbitmqadmin -H localhost -u myuser -p mypassword -V /ground\_services declare queue name=flight\_queue durable=true

rabbitmqadmin -H localhost -u myuser -p mypassword -V /ground\_services declare queue name=booking\_queue durable=true

rabbitmqadmin -H localhost -u myuser -p mypassword -V /ground\_services declare queue name=ground\_queue durable=true

```

#### \*\*2. Bind Queues to Exchanges\*\*

To bind queues to exchanges using `rabbitmqadmin`, use the `declare binding` command.

\*\*For Vhost `/flight\_operations`:\*\*

```bash

rabbitmqadmin -H localhost -u myuser -p mypassword -V /flight\_operations declare binding source=flight\_updates destination=flight\_queue routing\_key=flight\_update

rabbitmqadmin -H localhost -u myuser -p mypassword -V /flight\_operations declare binding source=booking\_requests destination=booking\_queue routing\_key=booking\_request

rabbitmqadmin -H localhost -u myuser -p mypassword -V /flight\_operations declare binding source=ground\_operations destination=ground\_queue routing\_key=ground\_operation

```

\*\*For Vhost `/booking\_management`:\*\*

```bash

rabbitmqadmin -H localhost -u myuser -p mypassword -V /booking\_management declare binding source=flight\_updates destination=flight\_queue routing\_key=flight\_update

rabbitmqadmin -H localhost -u myuser -p mypassword -V /booking\_management declare binding source=booking\_requests destination=booking\_queue routing\_key=booking\_request

rabbitmqadmin -H localhost -u myuser -p mypassword -V /booking\_management declare binding source=ground\_operations destination=ground\_queue routing\_key=ground\_operation

```

\*\*For Vhost `/ground\_services`:\*\*

```bash

rabbitmqadmin -H localhost -u myuser -p mypassword -V /ground\_services declare binding source=flight\_updates destination=flight\_queue routing\_key=flight\_update

rabbitmqadmin -H localhost -u myuser -p mypassword -V /ground\_services declare binding source=booking\_requests destination=booking\_queue routing\_key=booking\_request

rabbitmqadmin -H localhost -u myuser -p mypassword -V /ground\_services declare binding source=ground\_operations destination=ground\_queue routing\_key=ground\_operation

```

### \*\*Summary\*\*

- \*\*Creating Queues\*\*: Use `declare queue` with `rabbitmqadmin` to create durable queues.

- \*\*Binding Queues to Exchanges\*\*: Use `declare binding` with `rabbitmqadmin` to bind queues to exchanges with a specific routing key.

Make sure the RabbitMQ server is running and accessible at the hostname specified. Also, ensure the user has sufficient permissions on the respective vhosts.