Rebalancing Protocol
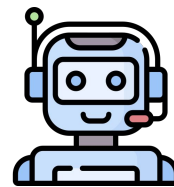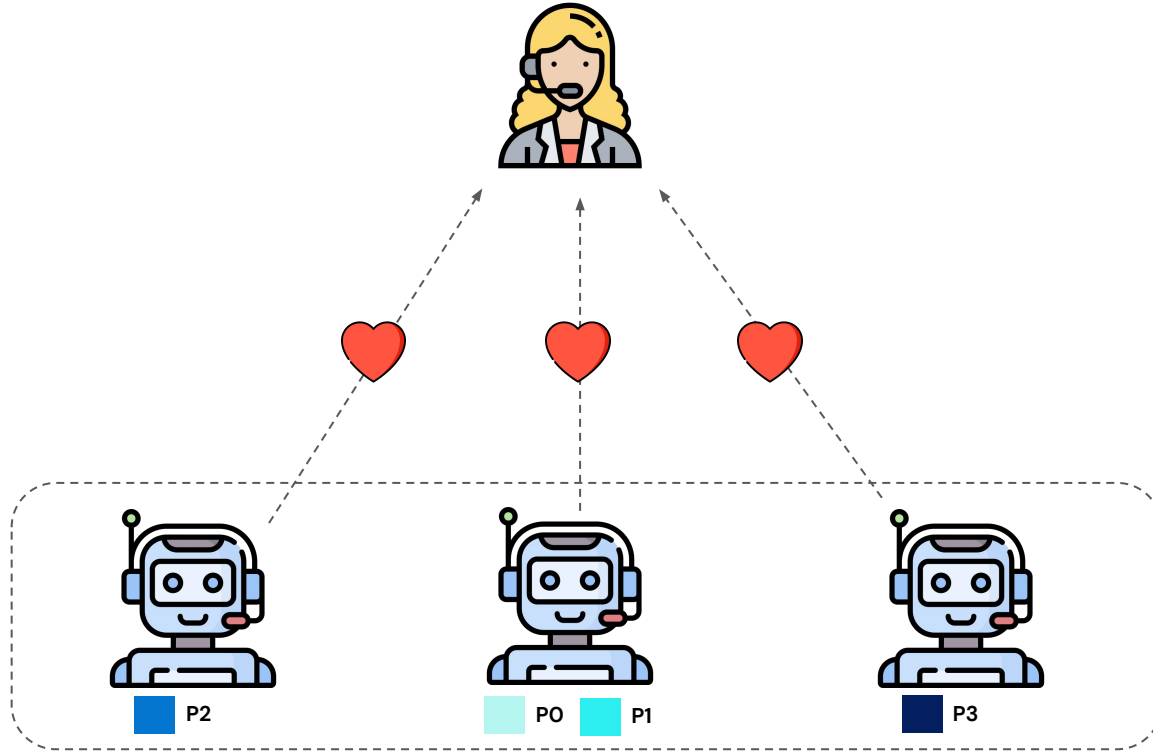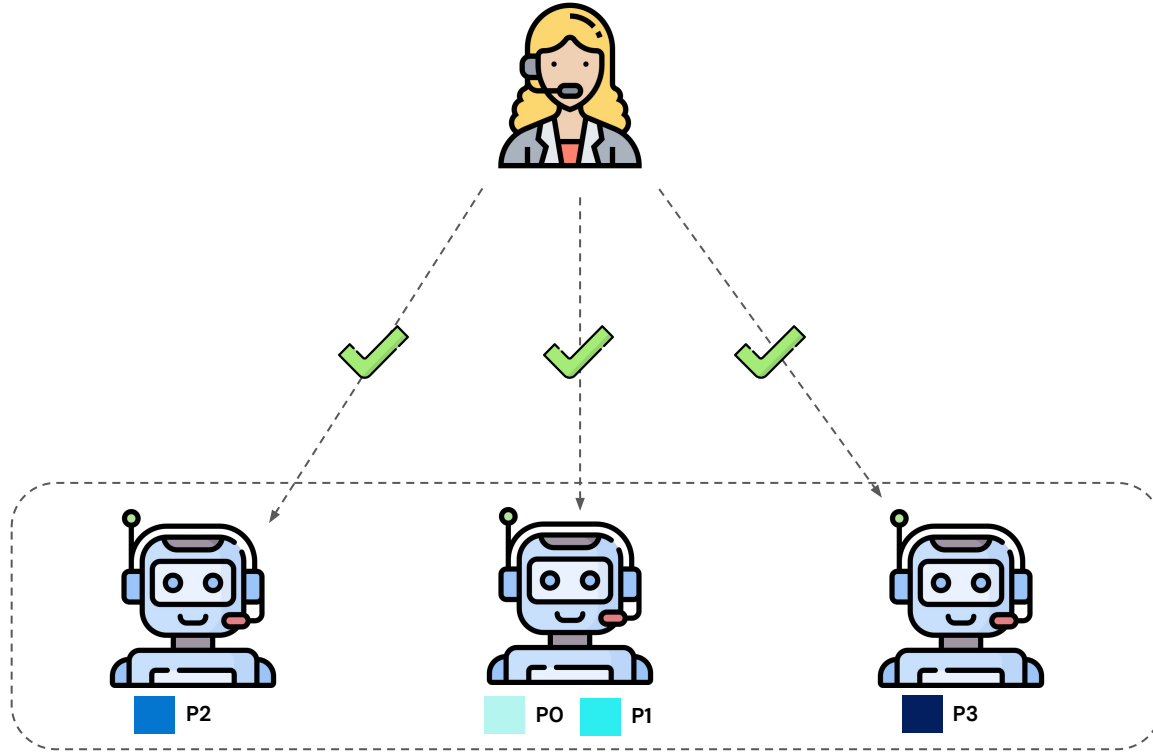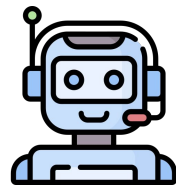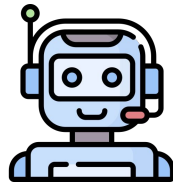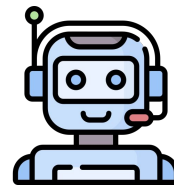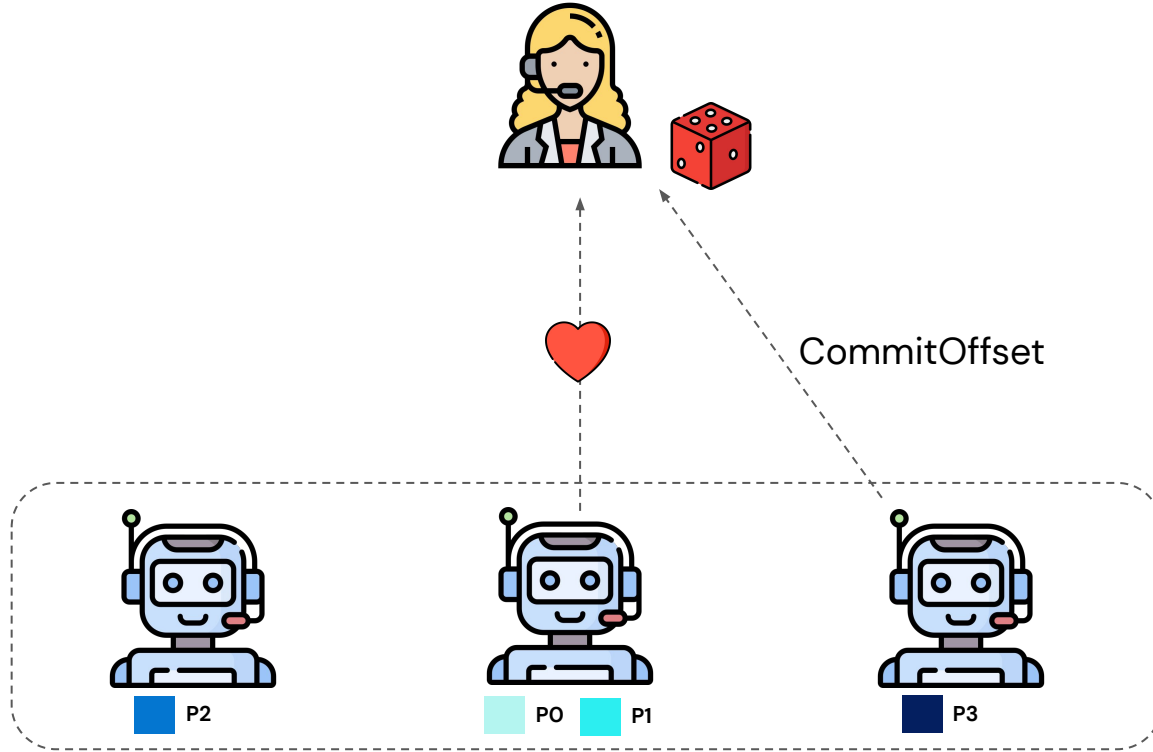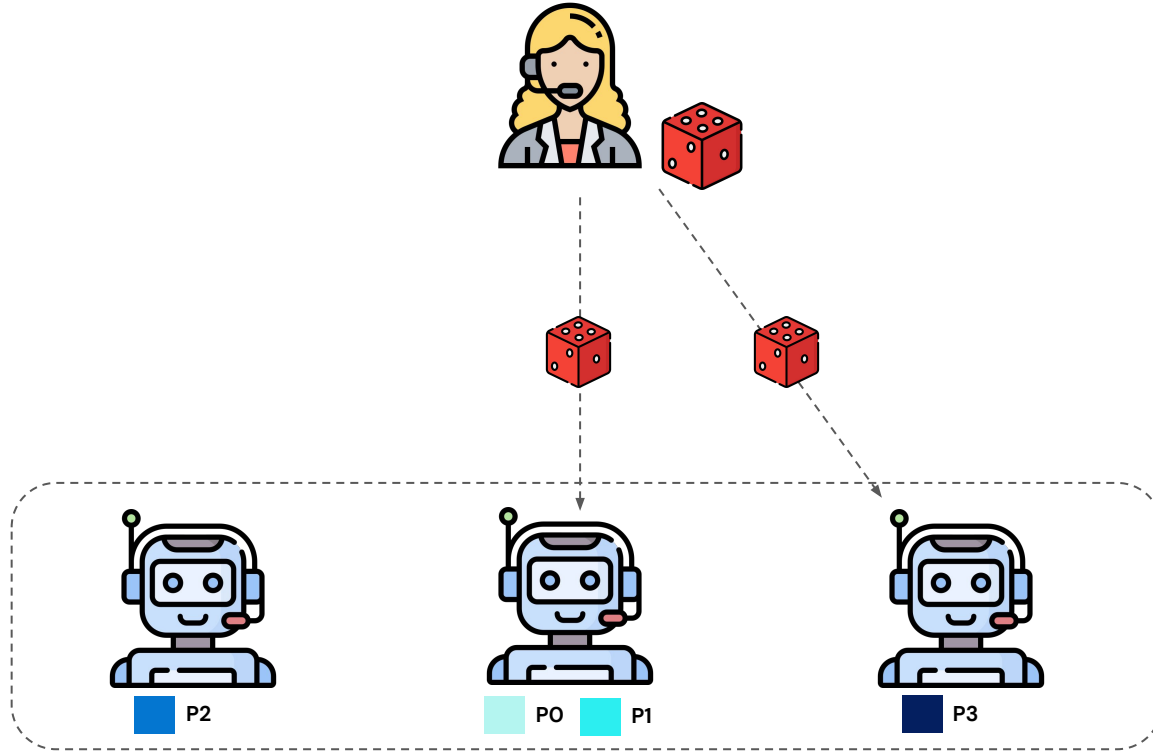
Rebalancing Protocol

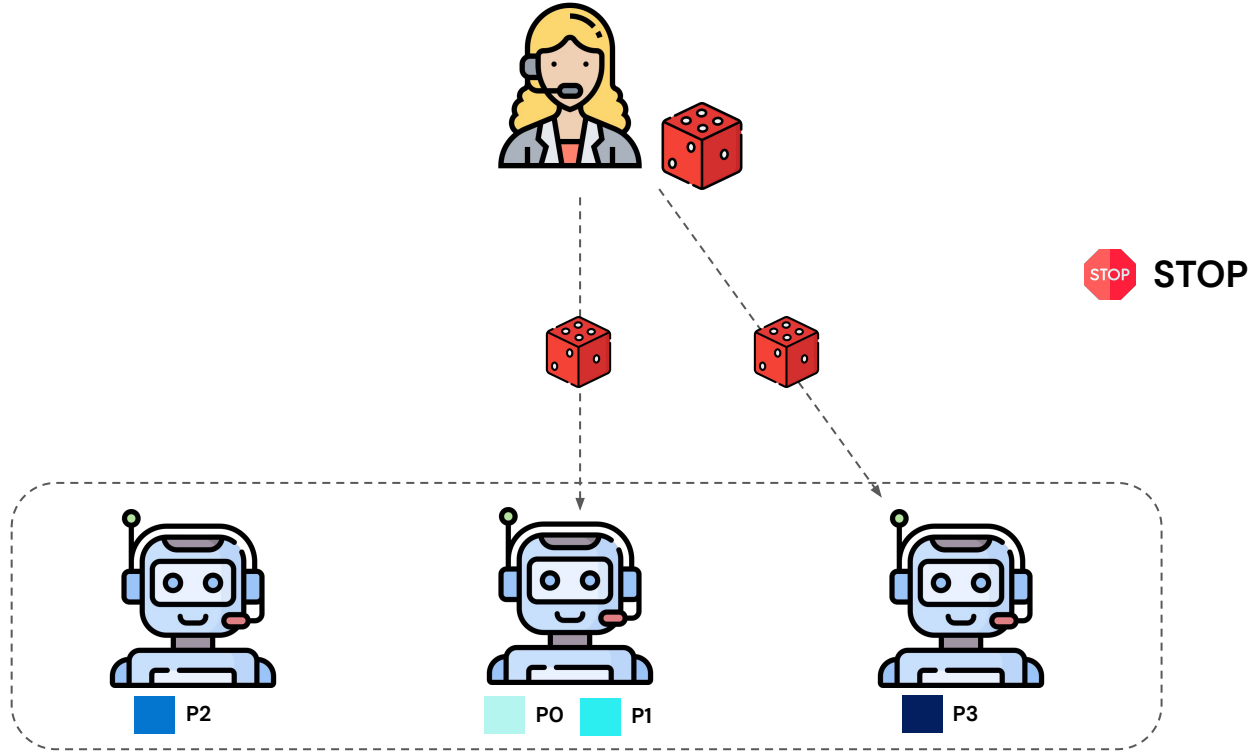# Rebalancing Protocol

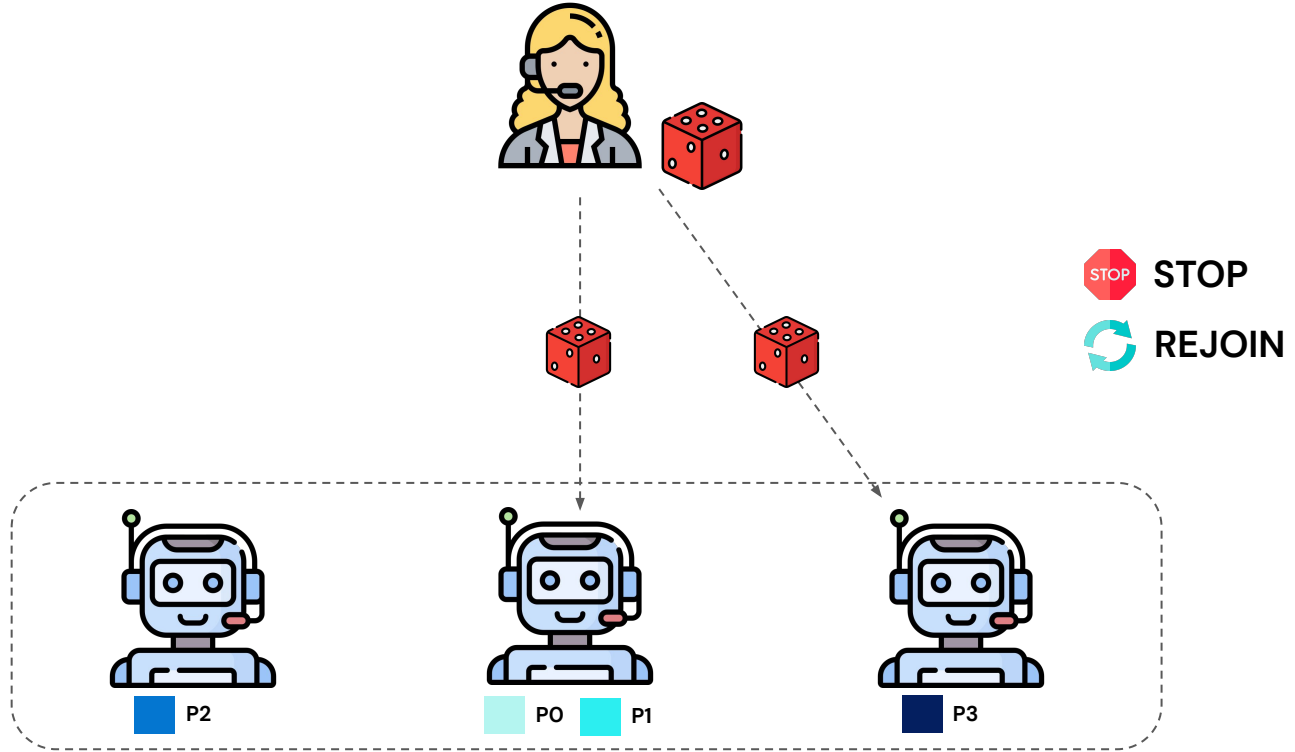# Rebalancing Protocol

Rebalancing Protocol

Rebalancing Protocol

Rebalancing Protocol

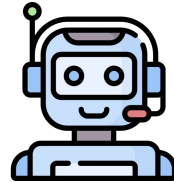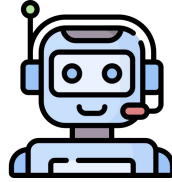# Rebalancing Protocol

Rebalance Triggers

Start rebalancing when Consumer:

P2 P0 P1 P3
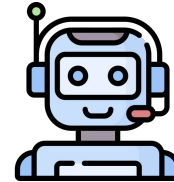
Rebalance Triggers

Start rebalancing when Consumer:
1. Dies ☠️

P2

P0   P1

P3

Rebalance Triggers

Start rebalancing when Consumer:
1. Dies ☠️

session.timeout.ms

P2

P0 P1

P3

Rebalance Triggers

Start rebalancing when Consumer:
1. Dies 💀

session.timeout.ms
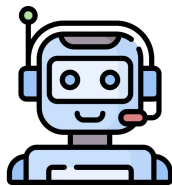
P2 P0 P1 P3

Rebalance Triggers

Start rebalancing when Consumer:
1. Dies ☠️
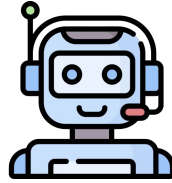
P2 P0 P1 P3

Rebalance Triggers

Start rebalancing when Consumer:
1. Dies ☠️
2. Leaves 🏃

P2   P0 P1   P3

Rebalance Triggers

Start rebalancing when Consumer:
1. Dies ☠️
2. Leaves 🏃‍♂️

LeaveGroup

P2

P0 P1

P3

Rebalance Triggers

Start rebalancing when Consumer:
1. Dies 💀
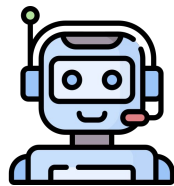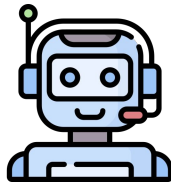2. Leaves 🏃

LeaveGroup

P2   P0 P1   P3

Rebalance Triggers

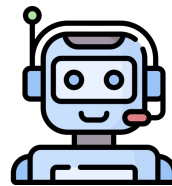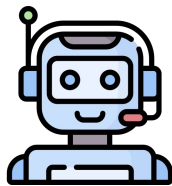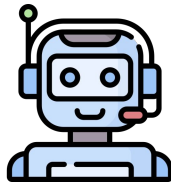Start rebalancing when Consumer:
1. Dies 💀
2. Leaves 🏃EXIT

Rebalance Triggers
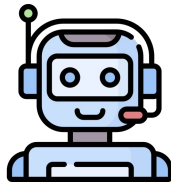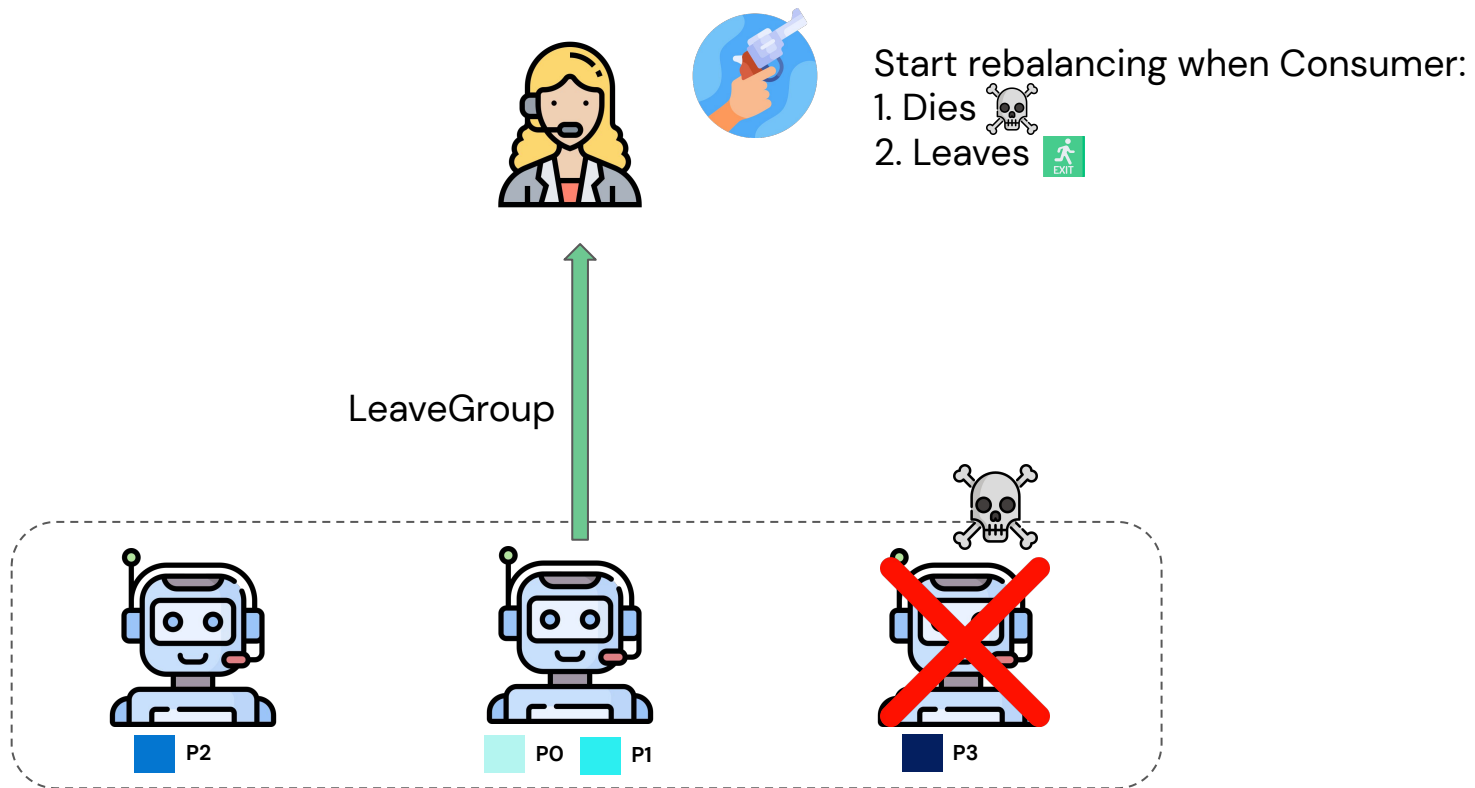
Start rebalancing when Consumer:
1. Dies 💀
2. Leaves 🏃
3. Joins ➕

Rebalance Triggers

Start rebalancing when Consumer:
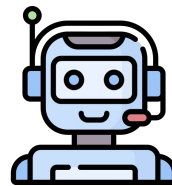1. Dies ☠️
2. Leaves 🏃EXIT
3. Joins ➕

P2   P0   P1   P3

Rebalance Triggers

Start rebalancing when Consumer:
1. Dies 💀
2. Leaves 🏃
3. Joins ➕

JoinGroup

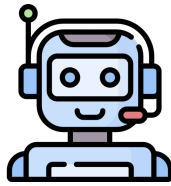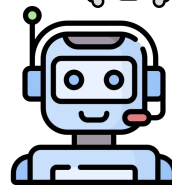P2

P0 P1

P3

Rebalance Triggers

Start rebalancing when Consumer:
1. Dies 💀
2. Leaves 🏃
3. Joins ➕

JoinGroup

P2

P0 P1
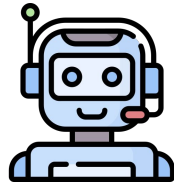
P3
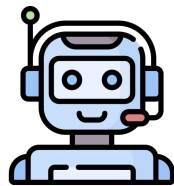
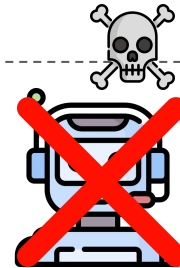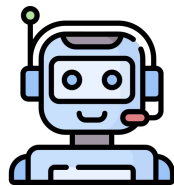# Rebalance Triggers

Start rebalancing when Consumer:
1. Dies ☠️
2. Leaves 🚪
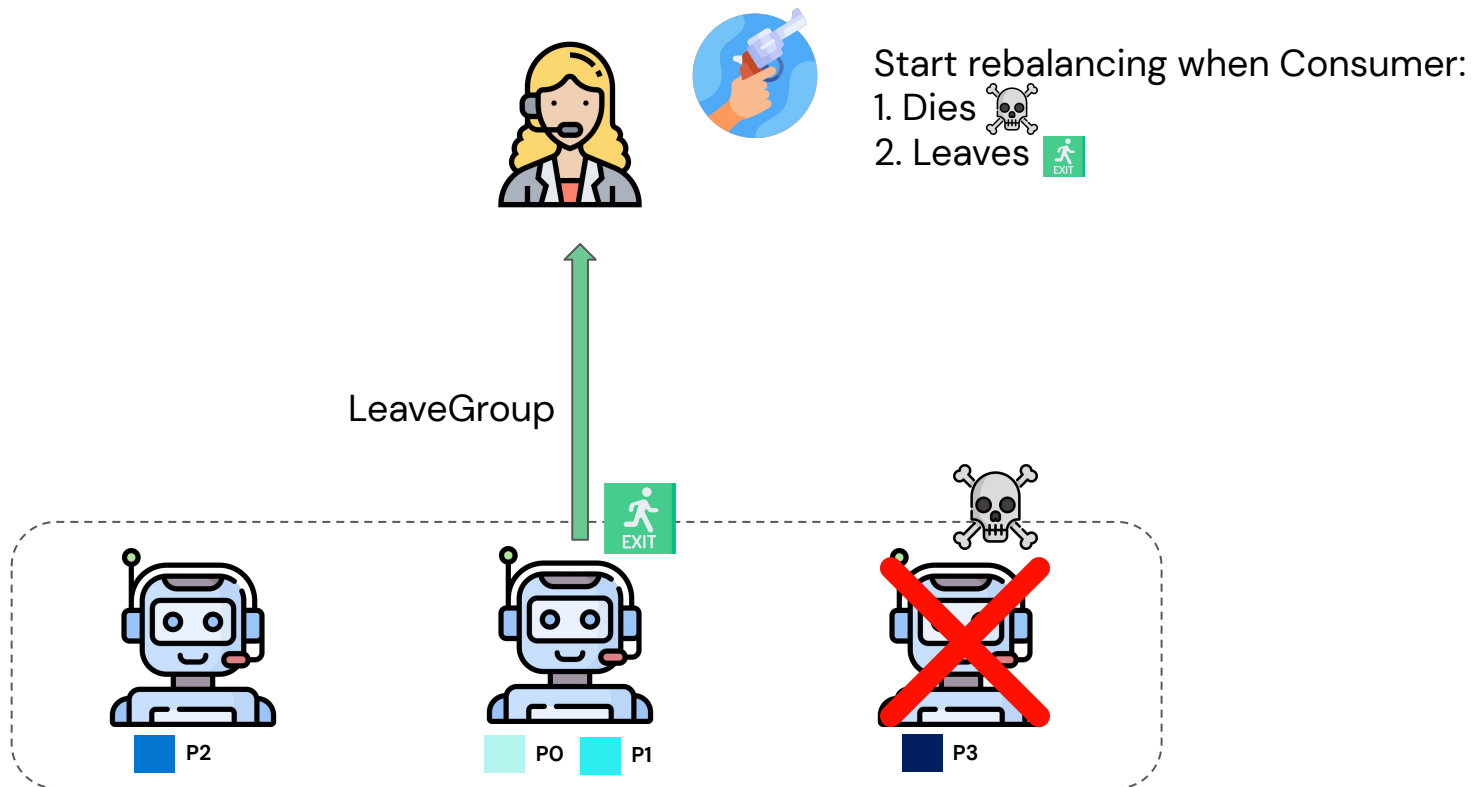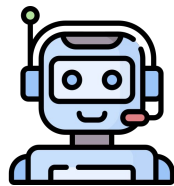3. Joins ➕

P2   P0   P1   P3
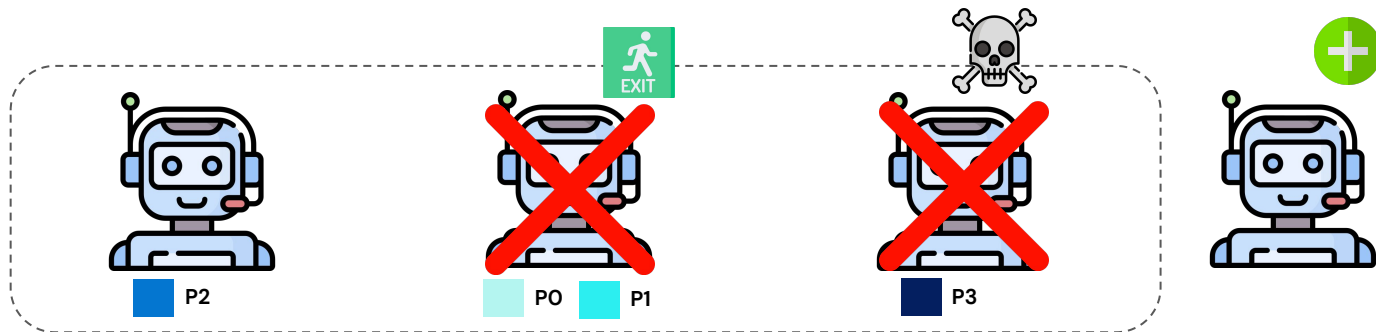
Rebalance configuration

Rebalance configuration

heartbeat.interval.ms Frequency of consumer heartbeats **3 sec**

Rebalance configuration

heartbeat.interval.ms   Frequency of consumer heartbeats   **3 sec**

session.timeout.ms   Heartbeats should be more frequent that this   **10 sec**

Rebalance configuration

heartbeat.interval.ms   Frequency of consumer heartbeats   **3 sec**

session.timeout.ms   Heartbeats should be more frequent that this   **10 sec**

max.poll.interval.ms   Consumer must poll more frequently than this   **5 min**