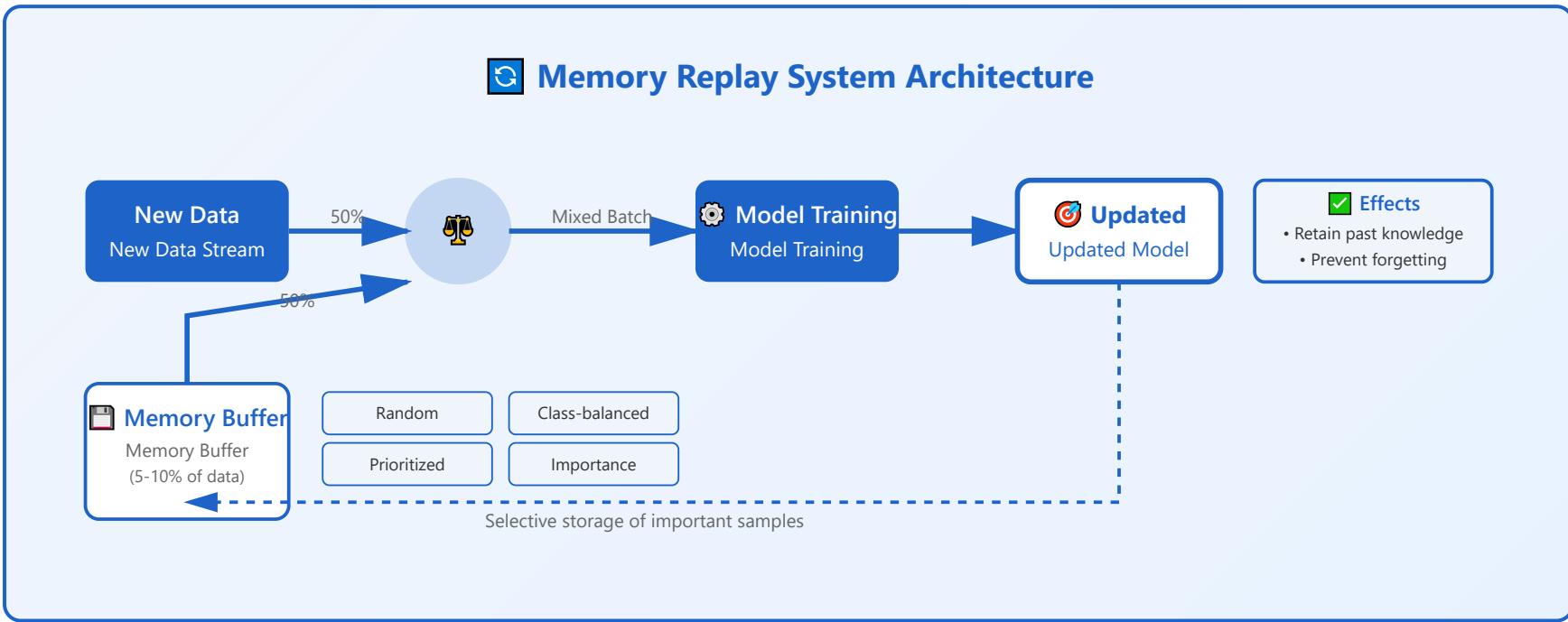


# Memory Replay Strategies (Memory Replay Strategies)



## **Replay Buffer**

- Reservoir Sampling: Maintain samples with equal probability
- Class-balanced Buffer: Maintain class balance
- Importance-based Sampling: Prioritize important samples
- Buffer Size: 5-10% of total data

## **Experience Replay Methods**

- Random Replay: Randomly replay past samples
- Prioritized Replay: Prioritize difficult samples
- Generative Replay: Generate past data with GAN
- Mixed Replay: Mix new data + stored samples

## Sampling Strategy

- Batch Composition: 50% new data + 50% replay
- Adaptive Sampling: Increase replay ratio on performance drop
- Stratified Sampling: Stratified balanced sampling
- Temporal Decay: Decrease weight of old samples