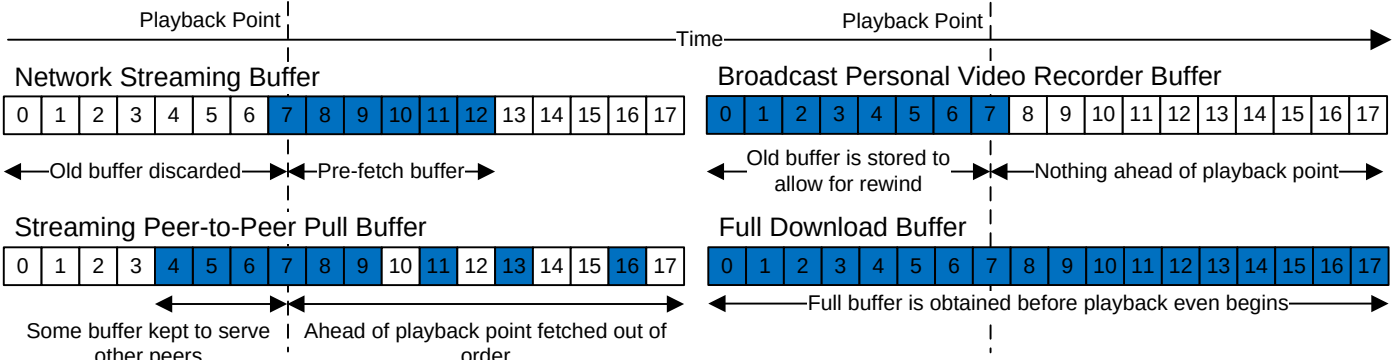
Playback Point
Time
Playback Point
Network Streaming Buffer
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
Old buffer discarded
Pre-fetch buffer
Broadcast Personal Video Recorder Buffer
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
Old buffer is stored to allow for rewind
Nothing ahead of playback point
Streaming Peer-to-Peer Pull Buffer
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
Some buffer kept to serve other peers
Ahead of playback point fetched out of order
Full Download Buffer
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
Full buffer is obtained before playback even begins