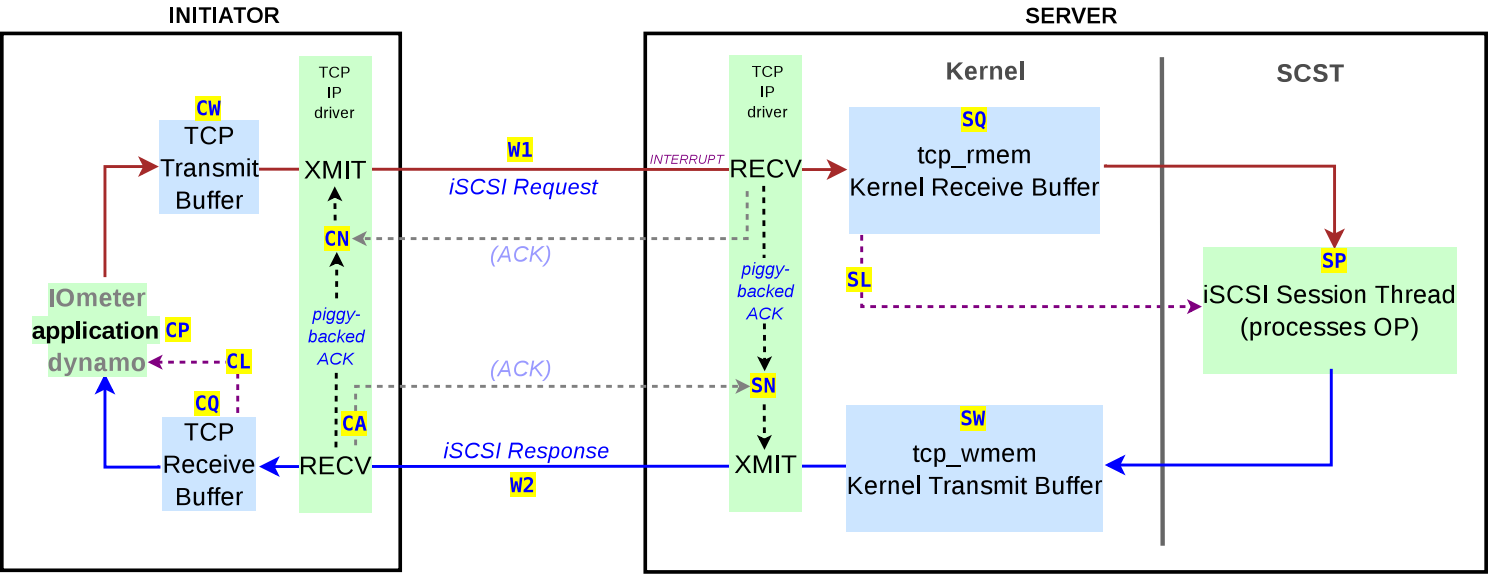

Created by David A. Butterfield using dia(1) January 2017

iSCSI Operation Flow

CW	Time interval from the Initiator application writing OP Request into TCP Transmit buffer until start of transmission
CN	Time delay from Initiator Transmit Buffer transition to non-empty until transmission of first Request begins
W1	Network transmission time of Request on the wire and interrupt latency until Request becomes available to the Session Thread in tcp_rmem
SQ	Time interval that an available OP Request spends waiting in tcp_rmem to be read and serviced by the Session Thread
SL	Time delay from the time Request becomes available in a previously-empty tcp_rmem until the time its sleeping Session Thread resumes executing
SP	Time for the Session Thread to process an OP on a CPU and append the Response to tcp_wmem
SW	Time interval OP Response is waiting in tcp_wmem for transmission
SN	Time delay from tcp_wmem transition to non-empty until transmission of first Response begins
W2	Network transmission time of Response on the wire and into Initiator's Receive buffer available to be read by Initiator application
CA	Delayed ACK latency -- time from when an ACK becomes owed until the time it is transmitted
CQ	Time interval that an available OP Response spends waiting in TCP Receive Buffer to be read and serviced by the Initiator application
CL	Time delay from the time Response becomes available in Initiator's prreviously-empty TCP Receive Buffer until sleeping application resumes executing
CP	Time for the Initiator application to process OP Response and write a successor OP Request into its TCP transmit buffer