

About the CDL Stage Simulator 2021

What is the CDL?

The CDL is the acronym for the Call of Duty League. The CDL is an Activision Blizzard owned entity consisting of 12 franchised teams. For the 2021 season, the CDL season consisted of five stages of regular season play. Each stage broke the 12 teams into two groups for round robin play of best-of-five series. After the round robin, the Top Three teams start the Stage Major tournament in winners' bracket, and the bottom three teams start in the elimination bracket (Majors are double elimination).

About the Software

The home page consists of three buttons which allow the user to start from scratch, start from the third week of Stage Four, or start from the beginning of Stage Five.

Start from Scratch

This will take you to a group selection page that allows the user to pick the six teams in Group A and the other six teams will fill into Group B.

Stage Four Week Three, Stage Five, after Group Selection

After the groups are selected or either of the other two main page buttons are pressed, the next page will allow the user to fill in completed matches for Group A. Stage Four Week Three comes with the matches from the previous two weeks pre-loaded.

The user then moves onto adding the matches for Group B. If a match is modified and doesn't have a winner, a pop-up appears alerting the user of the error and doesn't let them proceed until the issue is resolved.

After Match Selection

Once the matches are added, the remaining matches are simulated by flipping a coin in a best-of-five format. The standings are sorted and counted. This process occurs 100,000 times for each group. The chances of each team placing in each position in the pool are output to the user sorted by greatest to least chance at each descending seed in the pool. The output also includes the chance of Top Three in the pool.

Add Match to Group

Following the Simulations page, the user can add a hypothetical match to the group without impacting the initial results. This allows the user to see the impact of a match with a particular map count on each of the team's chances at getting Top Three in the pool.