Object tracking tracks multiple objects detected in an input video. To make an object tracking request, call the `annotate` (/video-intelligence/docs/reference/rest/v1/videos/annotate) method and specify `OBJECT_TRACKING` in the `features` field.

An object tracking request annotates a video with labels (tags) for entities that are detected in the video or video segments provided. For example, a video of vehicles crossing a traffic signal might produce labels such as "car", "truck", "bike," "tires", "lights", "window" and so on. Each label can include a series of bounding boxes, with each bounding box having an associated time segment containing a time offset (timestamp) that indicates the duration offset from the beginning of the video. The annotation also contains additional entity information including an entity id that you can use to find more information about the entity in the Google Knowledge Graph Search API (https://developers.google.com/knowledge-graph/).

There is a limit on the size of the detected objects. Very small objects in the video might not be detected.

Object tracking differs from label detection (/video-intelligence/docs/analyze-labels) in that label detection provides labels without bounding boxes, while object tracking detects the presence of individual boxable objects in a given video along with the bounding box for each.

The following samples demonstrate object tracking on a file located in Cloud Storage.

The following samples demonstrate object tracking on a file stored locally.