

# Output distance\_to\_destination metric from the planner and visualize it on RViz #4518

Unanswered xmfcx asked this question in Feature requests



xmfcx on Mar 6

Maintainer

edited ▾

## Feature Request: Distance to Destination Metric in Planner with RViz Visualization

### Description

I propose the addition of a "distance\_to\_destination" metric output from the planner component in Autoware. This metric should represent the remaining distance to the destination for a vehicle at any given moment during its mission.

Furthermore, it would be incredibly useful to visualize this metric in RViz, offering real-time feedback on the distance left to travel.

### Why This Would Be Useful

- Enhanced Situational Awareness:** Operators monitoring the vehicle's progress would benefit from a clear, quantifiable measure of how far the vehicle is from its destination, enhancing situational awareness.
- Increased Safety:** By continuously monitoring the distance to the destination, it's easier to identify discrepancies or deviations from the planned route early, potentially increasing safety through timely interventions.
- User Experience:** For end-users or passengers within autonomous vehicles, having access to this information can improve the user experience by setting clear expectations about the journey's duration.

Overall, the integration of a "distance\_to\_destination" metric and its visualization in RViz would bring substantial benefits in terms of operational efficiency, safety, and user satisfaction in Autoware's ecosystem.

(totally not written by chatgpt)

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[@mehmetdogru](#)

Category



Feature requests

Labels

component:planning

1 participant



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