CUOPT RELEASE NOTES

RN-11157-002 | December 15, 2022
Advance Information | Subject to Change

Release Notes22.12

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1.0 BREAKING CHANGES

- The `add_cost_matrix` endpoint in the microserver is changed to `set_cost_matrix`.

2.0 BUG FIXES

- The cloud scripts are reverted to use Ansible 6.0.0 in the cloud-native-stack installation to work-around the CNS install failure in Ansible 7.0.0.
- A bug is fixed in the `update_task_location` endpoint's validation on the microserver side.

3.0 NEW FEATURES

- Vehicle-dependent service times.
- Provision for limiting the amount of time a vehicle can work, including its travel time. This is analogous to maximum cost per vehicle.
- Enhanced objective functions minimize variance of route sizes and route service times.
- Task IDs for identifying tasks on the microserver.

4.0 IMPROVEMENTS

- Allow infeasible solutions in local search and make them feasible through enhanced heuristics.
- Cycle finder ported to the GPU.
- Enhance validation for checking conflicts between break time windows and vehicle time windows.
- Improved heuristics for PDP use cases.
- New version check applied to cuOpt microserver.
- New tests for validating the cloud scripts.
- New microserver performance tests.

Notice

Trademarks