

OVERVIEW

These release notes provide a list of changes to the Carbon DLS API, including resolved issues, new features, known issues, fields being deprecated in the near future, and coming soon. In this release, we have added the following features:

- **API version 0.2.8 has been released**
- **BuildSOP has been added to PartOrders**

You can find the entire process from generating an API key to testing your JWT token on our GitHub repository located at <https://github.com/carbon3d/carbon3d-api>.

The Carbon DLS API is provided as an OpenAPI spec ([api.yaml](#)). This spec allows you to generate client libraries in many languages. A list of supported OpenAPI generators is available [here](#).

If you have any questions and/or feedback, please contact api-list@carbon3d.com.

RESOLVED FEATURES

1. Carbon DLS API GitHub documentation for Custom Part Orders was updated (CLP-19022)

The Python examples for Custom part Orders was updated to include the optional flag (flush) as well as a general update to the script.

NEW FEATURES

1. BuildSOP (build_sop_uuid) has been added to PartOrders (POST /part_orders) (CLP-18452)

A new, optional parameter (BuildSOP) has been added to PartOrders. The BuildSOP is a new tool that enables users to configure a build when generated through a PartOrder. A BuildSOP can be created in the Carbon UI within the Production tools. The BuildSOP UUID can then be added to a PartOrder to specify how the parts associated should be printed. The parameters that are configurable include:

- Build Prefix
- Resin
- Print Profile
- Auto Layout Profile
 - Denser -- Optimized to generate more densely packed builds. Potentially will increase the time required to generate a build.
 - Faster -- Optimized to generate a well packed build quickly.
- Auto Layout Padding

This feature is only available for PartOrder users and must be enabled by Carbon. Please contact your Carbon Technical Partner if you are interested in Enabling this feature. More information and an example can be found on our GitHub repository.

KNOWN ISSUES

- We are looking into an issue where *GET /printers* would return a server error 500 (CLP-18979)

Please reach out to our API support group at api-list@carbon3d.com or file issues on our GitHub repository.

DEPRECATED SOON

- **Application ID (*application_id*)** parameter will be removed on **March 16, 2021** for all of the following endpoints.
 - Models (POST */models*, GET */models*)
 - Parts (POST */parts*, GET */parts*)
 - PartOrders (GET */part_orders*)
 - PrintOrders (GET */print_orders*)
 - PartMeasurements (GET */part_measurements*)
 - PartMeasurementTemplates (GET */part_measurement_templates*)
 - Printed Parts (GET */printed_parts*)

*To prevent any interruptions, please use the Application UUID (*application_uuid*) instead. Please reach out to your Carbon Technical Partner if you have any questions or need support.*

IMPROVEMENTS COMING SOON

The following will be implemented in an upcoming release:

- Ability to combine specific PartOrders into groups
- Continuing work on improving the Packer to reduce the amount of fragmentation seen across parts