

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 0.1.4 has been released**
 - 0.1.3 was skipped due to errors discovered shortly after deployment. The 0.1.4 release notes contain all changes for both 0.1.3 as well as 0.1.4
- New pagination method has been added to Models
- New pagination method, querying parameters, and sort orders have been added to Parts, Prints and Printed Parts
- New output fields, pagination method, querying parameters, and sort orders have been added to Builds
- Builds created through Part Orders now use the new v2.2 print profile
- New output field, new querying parameters, and sort orders have been added to Part Orders
- Consumed Resin Volume is now returned in Prints
- Improved Packer speed

You can find the entire process from generating an API key to testing your JWT token on our API repo 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 ISSUES

1. **Parts (*GET /parts*) and Builds (*GET /part_orders*) queries are not reporting cursor information (CLP-17010)**

An issue where querying Parts or Builds would not display cursor information has been resolved.

1. **Intermittent server error 500 across all endpoints (CLP-17164)**

Between 9/9/20 9:00 PM PST to 9/11/20 3:04 PM PST, there was a chance that any request would receive a server error 500 response from the server. This issue has been resolved.

2. **Packing jobs occasionally fail and do not produce a catalog project (CLP-16926)**

An issue where the packer will fail to upload a Build to the Catalog Project has been resolved.

3. Occasional server error 500 returned with no revision name when querying Builds (*GET /builds*) (CLP-17235)

Resolved an issue where querying builds without a named revision would occasionally return a server error 500

NEW FEATURES

1. New pagination method has been added to Models (*GET /models*) (CLP-17055, CLP-17153)

A new pagination parameter (*cursor*) for data has been implemented for Models.

2. New output fields, pagination method, querying parameters, and sort orders have been added to Builds (*GET /builds*) (CLP-15850, CLP-16598)

Part tags (*part_tags*) and Part Number Tags (*part_number_tags*) have been added when querying Builds, when available.

A new pagination parameter (*cursor*) for data has been implemented for Builds.

The following query parameters have been added: UUID (*uuid*), Application ID (*application_id*)

The following sort orders have been added (with both ascending and descending options): Created (*created_at*), Updated (*updated_at*), Status (*status*), Build UUID (*build_uuid*)

3. New pagination method, querying parameters and sort orders have been added to Parts (*GET /parts*) (CLP-17153)

A new pagination parameter (*cursor*) has been implemented for Parts.

The following query parameters have been added: UUID (*uuid*), Application ID (*application_id*), Updated (*updated_before* and *updated_after*)

The following sort orders have been added (with both ascending and descending options): UUID (*uuid*), Updated (*updated_at*), Model UUID (*model_uuid*)

4. Builds created through Part Orders now use the new v2.2 print profile (CLP-16926)

The builds generated through Part Orders now use the new **L1 Aligner Models V2.2 RF** print profile.

5. New output field, new querying parameters, and sort orders have been added to Part Orders (*GET /part_orders*) (CLP-16849, CLP-17153, CLP-17057)

Build UUIDs (*build_uuids*) have been added when querying Part Orders, when available.

The following query parameters have been added: UUID (*uuid*), Application ID (*application_id*), Updated (*updated_before* and *updated_after*)

The following sort orders have been added (with both ascending and descending options): UUID (*uuid*), Updated (*updated_at*), Model UUID (*model_uuid*)

6. New pagination method, querying, and sorting parameters have been added to Prints (*GET /prints*) (CLP-15670)

A new pagination parameter (*cursor*) has been implemented for Prints.

The following query parameters have been changed to string arrays (previously single strings): Platform Serial (*platform_serial*), Print Order Number (*print_order_number*), Printer Name (*printer_name*), Printer Serial (*printer_serial*), and Print Order UUID (*print_order_uuid*)

New query parameters have been added to the following fields: Application ID (*application_id*), Status (*status*), and UUID (*UUID*)

7. New pagination method, new query parameters, and sort orders have been added to Printed Parts (*GET /printed_parts*) (CLP-16707, CLP-16922)

A new pagination parameter (*cursor*) for data has been implemented for Printed Parts.

The following query parameters have been added: Updated (*updated_before* and *updated_after*), Started (*started_before*, and *started_after*), Finished (*finished_before* and *finished_after*)

The following sort orders have been added (with both ascending and descending options): UUID (*uuid*), Updated (*updated_at*), Part Order Number (*part_order_number*)

8. Packer speed has been improved (CLP-16787)

Some under-the-hood performance improvements have been enabled that should considerably speed up the time it takes the packer to nest parts in a build.

KNOWN ISSUES

- The description of the sort fields in Printed Parts is missing the new fields that were added. This is only an issue with the description text (no functional impact) and will be fixed in the next release. (CLP-17296)
- The sort options in Builds currently has the Status options listed twice. This is only an issue with the displayed text (no functional impact) and will be fixed in the next release. (CLP-17302)
- Builds created via API are unable to be adjusted in the printer UI (CLP-17191)

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

DEPRECATED SOON

- The endpoint Orders (*GET /orders*) is scheduled **to be removed on 10/6** (delayed from 9/8). To prevent any interruptions, please use PartOrders (*GET /part_orders*) instead. If you are unable to make changes to your system by the date stated above, please reach out to your Carbon Technical Partner for support. (CLP-15996)
- The offset parameter is scheduled **to be removed on 10/6** for all endpoints (Models (*GET /models*), Parts (*GET /parts*), Builds (*GET /builds*), PartOrders (*GET /part_orders*), PrintOrders (*GET /print_orders*), Prints (*GET /prints*), and Printed Parts (*GET /printed_parts*)). To prevent any interruptions, please use the Cursor pagination parameter (*cursor*) instead. If you are unable to make changes to your system by the date stated above, please reach out to your Carbon Technical Partner for support. (CLP-15996)

IMPROVEMENTS COMING SOON

The following will be implemented in an upcoming release:

- Additional information (ie. Revision, status, filename) will be returned