

OVERVIEW

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

- Project Catalog UI now shows “Build UUID”
- New “Part Orders” endpoints (replaces “Orders” endpoints)
- New “Print Orders” endpoints

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. Race condition in part order processing logic (CLP-16086)

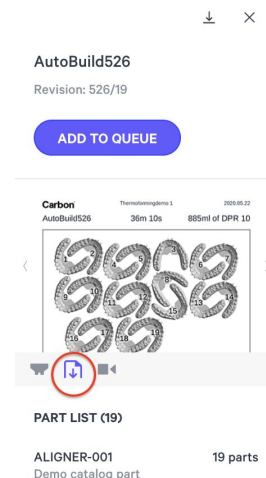
This could cause duplicated and missing parts if an order was submitted while another order was processing.

2. Automatic model repair (CLP-16033)

During build creation, the API now performs “hole repair” (same functionality as in the printer UI).

3. Traveler preview in Project Catalog (CLP-16173)

When selecting an automatically created project/build in the Project Catalog sidebar now shows a preview of the traveler PDF attachment.



NEW FEATURES

1. Catalog Projects in UI now show “Build UUID” in sidebar (CLP-15144)

BUILD INFO

Resin	DPR 10
Volume	885 ml
Duration	36m

Slice thickness	Standard
Print profile	Custom
Wash profile	Default
Scale factor	Standard
Release film	Off

Build UUID	52460766-6f1c-5b2 6-8174-dea5310651 73
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Note: The changes below require updating the python client to a version $\geq 0.0.6$

2. Part Orders endpoint (CLP-15838)

- renamed from **Orders** endpoint (which is now deprecated but still works)
- please update all references in your code - we plan on removing the /orders endpoints in July 2020

3. Print Orders endpoints to create and update print orders (CLP-15839)

- This endpoint allows queuing of builds on printer(s)
- POST /print_orders

A new PrintOrder to be created.

Example Value | Schema

```
{
  "build_uuid": "75e4811b-0f54-4ce0-a93a-511668b08b49",
  "total_copies": 100,
  "route_to": [
    "1G0001",
    "3W00QP",
    "9W0000",
    "9B9ZZ9"
  ],
  "print_order_number": "WO_12345",
  "print_order_tags": {
    "validation": "true",
    "experiment": "ABC"
  },
  "notes": "Some notes"
}
```

KNOWN ISSUES

1. If STL files are submitted which cannot be repaired all printed_parts on the build will be given the status “failed” (CLP-16171)

COMING SOON

The following will be implemented in an upcoming release:

Ability to query Print Orders status via 'GET /print_orders' (CLP-16039)