

UDN Gateway API 2.0 Features and Improvements – June 7, 2022

Clean and Consistent Routing

The URL paths for API 2.0 are consistent with software industry best practices. These routes are more consistent and intuitive than the legacy API, making it easier for users to navigate the available information.

Versioned Routing for Change Management

Starting with 2.0, the UDN Gateway API routes are now versioned. This means that changes can be introduced to existing routes without impacting any user code that relies on the current implementation. For example, if changes to the structure of the `api/2.0/applications` response were required, a new `api/2.1/applications` route would be introduced with those changes, leaving the `api/2.0/applications` response unchanged. This will allow users time to update their code as needed.

Data filters for selective data retrieval

Several API routes (ex. `/applications`) return a large number of records. To assist with parsing this data, many routes include filters that allow you to request only those records that match a given criteria (ex. only accepted applications) excluding all others.

Improved documentation

The API documentation site has been improved for the 2.0 release to add clarity around each route, its parameters, and responses. This improved documentation should make interacting with the API easier.

UDN Gateway API 2.0 Questions and Answers

Q: Is the API 2.0 backward compatible with the existing API?

A: No, the API 2.0 routing system and response structures are different from the existing API. This means that any code you have which currently calls existing API routes will need to be updated to call the new routes and process their responses.

Q: Will my existing code/scripts stop working today?

A: No, any code you have that relies on the UDN legacy API will continue to function. Both APIs (the UDN legacy API which you have been using and the API 2.0) will be available during a transition period allowing those with scripts and workflows that currently rely on the legacy API to make the change over to the new API 2.0 over time.

Q: When will this transition period end?

A: This transition period is currently scheduled to end on Friday, September 9th, 2022. We ask that any new code being developed starting today begin using the new API 2.0 and that any existing code be migrated to the new API 2.0 at your earliest convenience.

Q: Will my code stop working on September 9th when the transition period ends?

A: In short, no. We are hopeful that the transition period will allow enough time for those with existing code to make the transition. We will continue to monitor API usage and will work with those who are still utilizing legacy routes as the deadline approaches to ensure that all code that relies on the legacy API is updated before it is turned off.

Q: Does my existing API token work with the new API?

A: Yes, the API token you have been using will work when accessing the legacy API routes as well as new API 2.0 routes.

Q: Does this change impact the uploading of sequencing files?

A: No, the existing UDN CLI and new UDN Uploader tools are independent of the UDN Gateway API. Any changes to those tools will continue to be communicated separately with the appropriate parties.