

## API Services Versioning Job Aid

### WHAT IS AN API SERVICE AND WHAT IS AN API ENDPOINT?

e-OSCAR Services is comprised of 7 SERVICES:

- Auth
- ACDVREQUEST
- ACDVRESPONSE
- AUD
- BRR
- BLOCK-DR-NOTIFICATION
- AUD-NOTIFICATION

Each of these SERVICES contain multiple ENDPOINTS.

For example, the **ACDVREQUEST** SERVICE, Contains 6 ENDPOINTS:

- `/acdvreq/v2/get/{acdvCtrlNum}`
- `/acdvreq/v2/view/{acdvCtrlNum}`
- `/acdvreq/v2/getList`
- `/acdvreq/v2/getImages`
- `/acdvreq/v2/viewImage`
- `/acdvreq/v3/find`

You can see from the information above, that most ENDPOINTS for the **ACDVREQUEST** SERVICE are in a v2, while one ENDPOINT is in a v3.

OLDE requires a new version of an ENDPOINT when there are updates made to that ENDPOINT requiring a schema change that would impact the Data Furnishers ability to complete the call successfully.

Each ENDPOINT within a SERVICE may have different versions.

All ENPOINTS within each SERVICE are independent of one another, so updates may be made to one ENDPOINT within a SERVICE while not impacting any of the other ENDPOINTS within that same SERVICE.

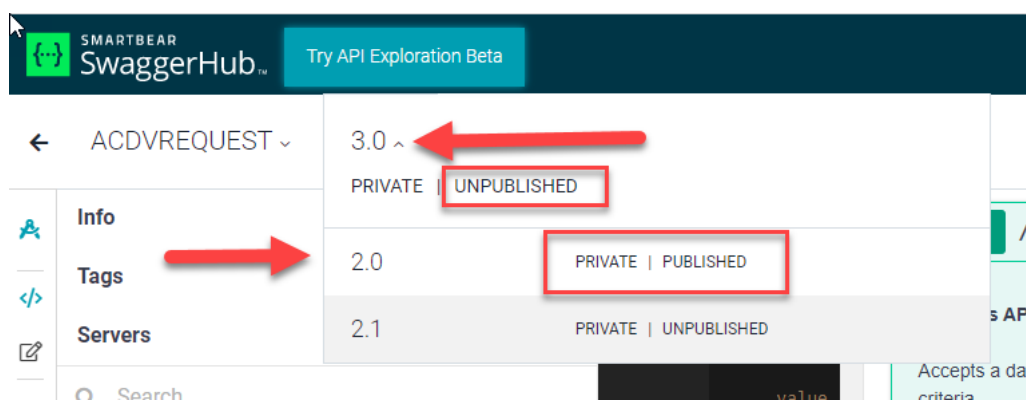
## VIEWING VERSIONS WITHIN SWAGGERHUB

When reviewing the Swaggerhub documentation, you will see an arrow indicating a drop-down option next to the name of the SERVICE that you are reviewing.

In the example below you are looking at the **ACDVREQUEST** page.

You will see that there is an option for:

- 2.0 – PRIVATE|PUBLISHED
- 2.1 – PRIVATE| UNPUBLISHED
- 3.0 – PRIVATE | UNPUBLISHED

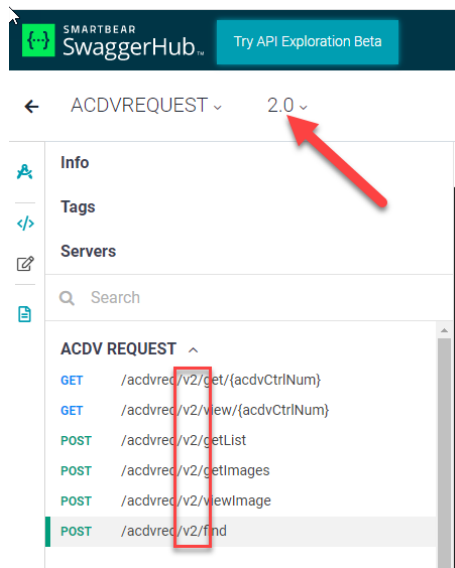


Any version that is listed as PUBLISHED is indicating that the ENDPOINTS in that version of the SERVICE are currently in the Production environment and ready to be used.

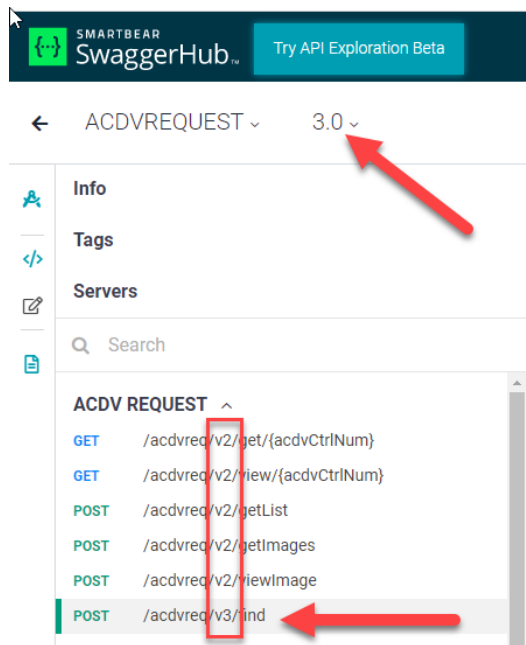
Any version that is listed as UNPUBLISHED is indicating that the change to the impacted ENDPOINT for that SERVICE has NOT been released in Production but may be used in testing.

In the example above, all ENDPOINTS that appear in v2.0 are currently available and ready to use in the production environment.

The screenshot below is what you will see when looking at the 2.0 schema in Swaggerhub:



When you are looking at the dropdown for 3.0 you will see the following:



In the example above you will see that most of the ENDPOINTS within the ACDVREQUEST SERVICE remain in a v2, however the /acdvrq/v3/find is in a v3.

That is because changes to the schema for the FIND ENPOINT have been introduced that will prevent the Data Furnisher from successfully completing the call without making those changes to their internal build.

For example, the existing v2 FIND ENPOINT that is currently in Production and used currently is comprised of the following values:

```
Example Value | Schema
{
  "advReqRequest": {
    "find": {
      "dateType": "DATE_CREATED",
      "dateFrom": "20200301",
      "dateTo": "20200331",
      "accountNumber": "134TESTACC",
      "ssn": "123456789",
      "status": "REQUESTED"
    }
  }
}
```

However, the values have been updated in the v3 version of the FIND ENPOINT to be compatible with our upcoming e-OSCAR 4.0 Platform as follows (This version is appearing in Swaggerhub as UNPUBLISHED as the changes have NOT been released to the production environment):

```
Example Value | Schema
{
  "advReqRequest": {
    "find": {
      "dateType": "DATE_CREATED",
      "dateFrom": "20200301",
      "dateTo": "20200331",
      "accountNumber": "134TESTACC",
      "ssn": "123456789",
      "subscriberCode": "SUBCODE28",
      "accountType": "00",
      "portfolioType": "C",
      "disputeCode": "001",
      "status": "PENDING-SENDREQUEST"
    }
  }
}
```

In this example above you will see that there are additional search parameters that are being introduced to the FIND ENPOINT, in addition to a new naming convention for the values available in the status field.

These changes are all considered schema changes; therefore, a new version of the ENDPPOINT has been introduced, resulting in the 3.0 option of the documentation.

As shown in previous examples above, the v3 version of the swaggerhub documentation for the **ACDVREQUEST SERVICE** is in an UNPUBLISHED state. This is indicating that the changes have not been released to the production environment, however they may be tested in the Stage environment for testing by the Data Furnisher.

# *Services by e-OSCAR*

