Back-Office pipelines & API microservices (update)

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ADS Users Group Meeting, 15-16 Nov. 2021
Back-Office Overview
Modern pipelines

Bibliographic data

Metrics

Full-text pipeline

Augment pipeline

Affiliations

Master pipeline

ORCID pipeline

myADS pipeline

Citation Capture

Software records

End of Life for Python 2
1 January 2020
## Microservices Overview

<table>
<thead>
<tr>
<th>ADSWS</th>
<th>Harbour</th>
<th>Resolver gateway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Author affiliation</td>
<td>Metrics</td>
<td>Solr service</td>
</tr>
<tr>
<td>Biblib</td>
<td>Object</td>
<td>Tugboat</td>
</tr>
<tr>
<td>Citation helper</td>
<td>Oracle</td>
<td>Vault</td>
</tr>
<tr>
<td>Export</td>
<td>Orcid</td>
<td>Core</td>
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<tr>
<td>Graphics</td>
<td>Resolver service</td>
<td>Reference</td>
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</tbody>
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### End of Life for Python 2

1 January 2020
Monitoring

Classic records vs Modern pipelines
Monitoring

# Records Evolution

**Solr Index Records**

- Records: 16100000
- 8/16: 15700000
- 9/1: 15800000
- 9/16: 15900000
- 10/1: 16000000
- 10/16: 16100000
- 11/1: 16200000

**Solr Index Citations**

- Records: 14400000
- 8/16: 13900000
- 9/1: 14100000
- 9/16: 14200000
- 10/1: 14300000
- 10/16: 14400000
- 11/1: 14500000

Current values:
- num_found: 15996332
- citation_count: 143169643
Monitoring
Scheduled periodic tasks
Summary

● Work completed
  ○ Migrated most pipelines and microservices to Python 3
  ○ Expanded monitoring collecting data stats
  ○ Implemented Slack alerts

● Work ahead
  ○ Finish migration to Python 3
    ■ adsws microservice
    ■ import pipeline
  ○ Classic back-office rewrite
    (see next presentation: Future Storage Layer)