AWS migration

Frequency distribution white paper

Business Aggregates
(BizAggs)

Background

As part of Experian's commitment to deliver best-in-class technology and innovative products to our clients, Experian's Business Information Services (BIS) is transitioning our data and technology platforms to the cloud. This technology transformation will enable BIS to take advantage of the latest proven technologies with speed to new innovations. For our clients, this technology means greater capability to determine risk exposure using real-time data and analytics. Additional client benefits include:

- **Accelerated innovation**: Benefit from faster and easier data discovery.
- **Responsiveness and scalability**: Gain actionable insights with real-time streaming analytics to enable informed business decisions.
- **Cloud compliance and security**: Cloud technologies offer an additional layer of robust security infrastructure, supporting the most sensitive data.

This transformation is being completed in phases and ultimately all Experian's BIS data and scores will be available only from the cloud environment.

With any technology transformation, changes are expected. However, Experian® conducted a comprehensive validation of Business Aggregates (BizAggs) to minimize any variations such that the cloud-generated data and outputs have insignificant differences from the original environment.

To demonstrate that there are insignificant differences and to facilitate a seamless transition from the legacy mainframe environment to the cloud environment, the following provides comparisons of the distributions of each BizAgg variable pre- and post-transition.

Methodology

Overview

BizAggs are aggregated data variables derived from commercial tradelines, bankruptcies, tax liens, judgments, UCC filings, collections firmographics and inquiries. There are over four hundred BizAggs available. These variables are:

- The foundation for credit policy and modelling
- Analytical decision building blocks
- Additional insight for fine-tuning decisions

To demonstrate that BizAggs are consistent and stable after the platform transition, each variable was calculated for the same businesses as of the same time period using both platforms. A frequency distribution analysis was performed to compare those pulled from the legacy system and those pulled via the new cloud system. A sample of BizAggs from various categories are displayed to provide directional insight into impacts due to the system change.

Population

A sample of 7.6 million businesses was observed.
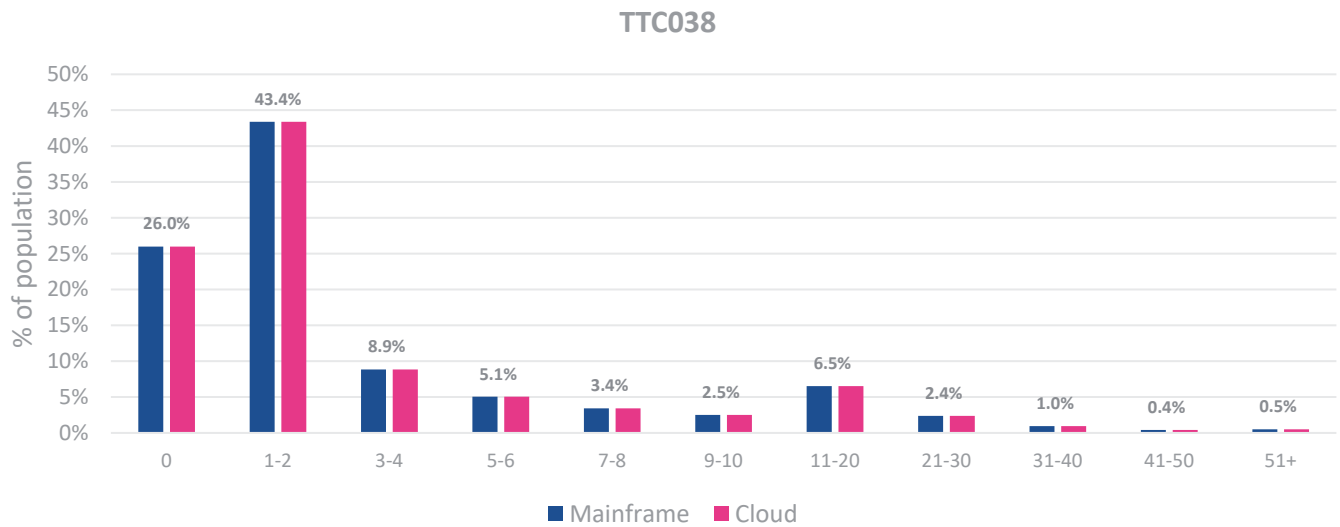
Observation period

Each business was observed as of June 2021.
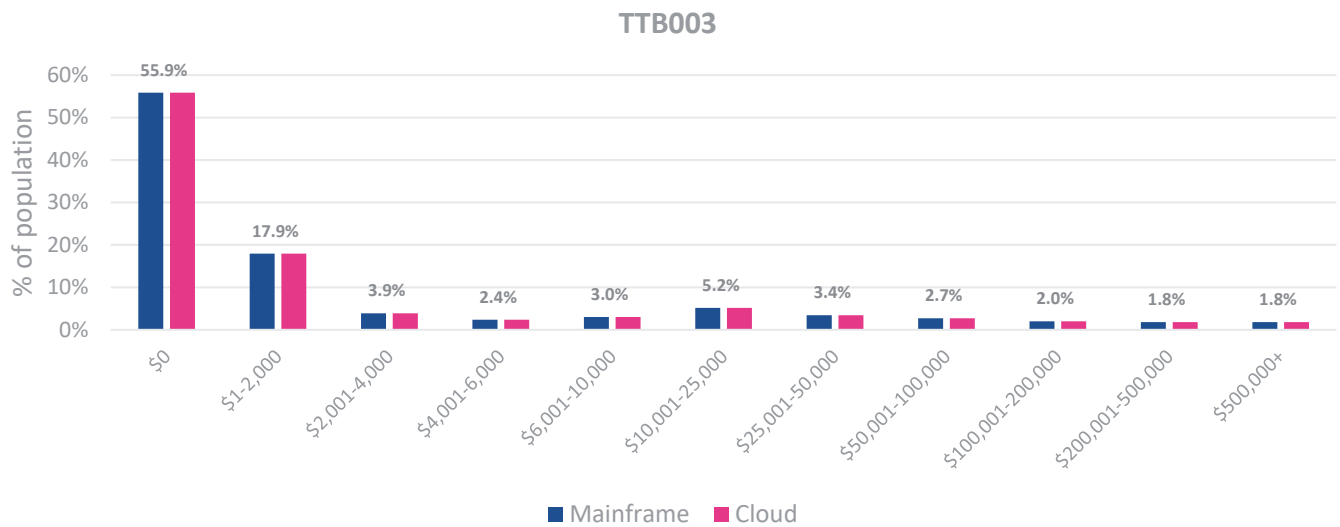
Frequency distribution results

As demonstrated on the following pages, the frequency distributions are identical for each variable pre- and post-transition. Therefore, the usage of BizAggs can and should remain the same.
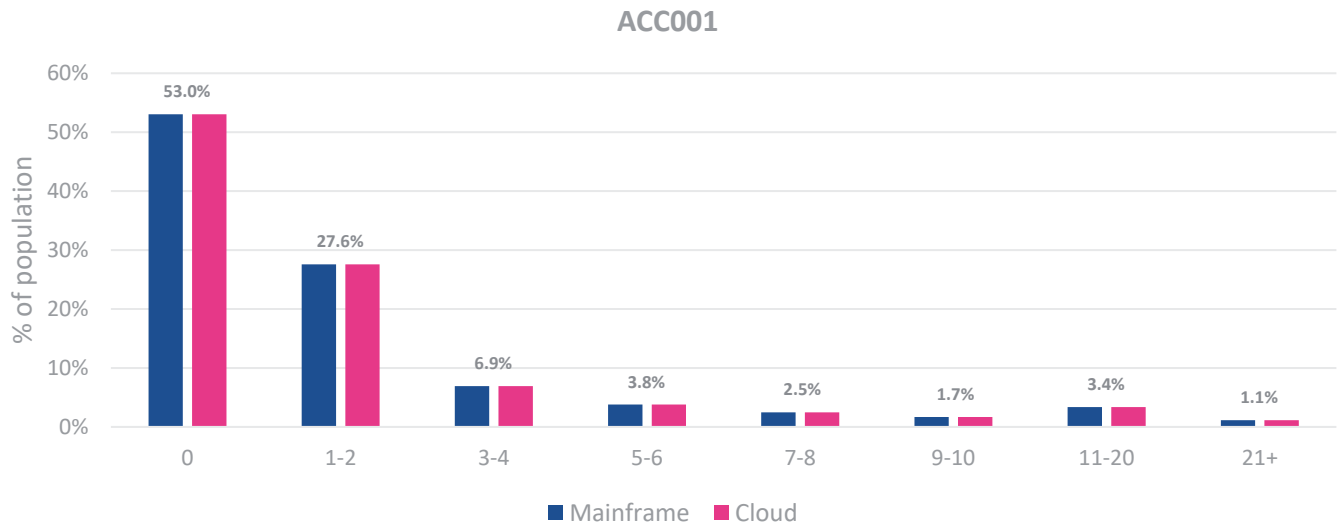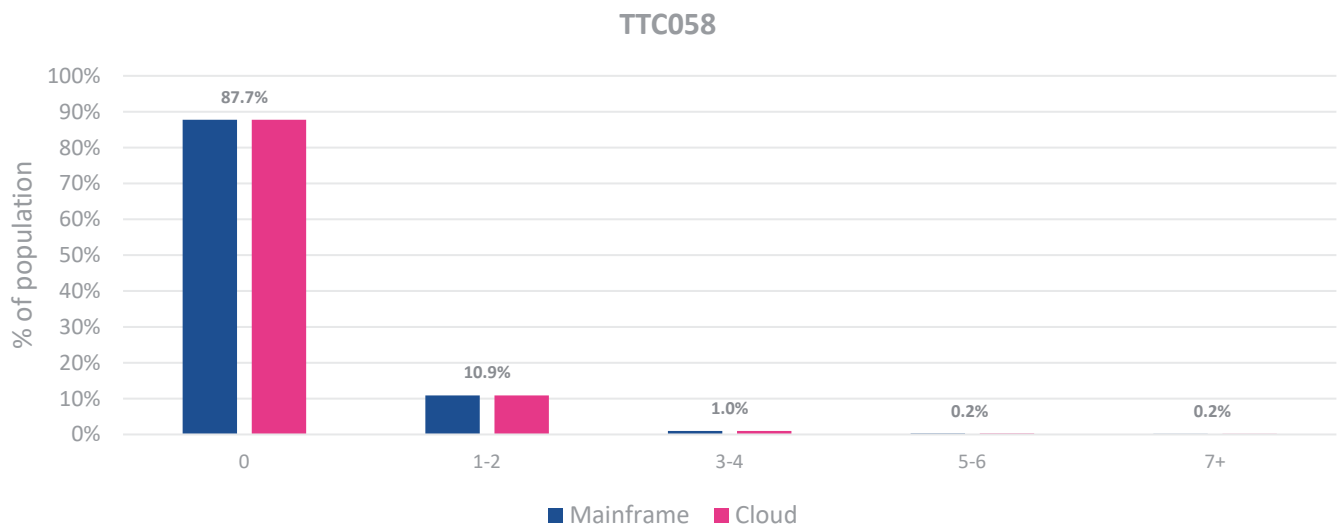
Results

TTC038: Total number of total trades

TTC038

Bar chart showing % of population by total number of total trades, comparing Mainframe and Cloud:

Category	%
0	26.0%
1-2	43.4%
3-4	8.9%
5-6	5.1%
7-8	3.4%
9-10	2.5%
11-20	6.5%
21-30	2.4%
31-40	1.0%
41-50	0.4%
51+	0.5%

Legend: ■ Mainframe ■ Cloud

TTB003: Total balance of total trades

TTB003

Bar chart showing % of population by total balance of total trades, comparing Mainframe and Cloud:

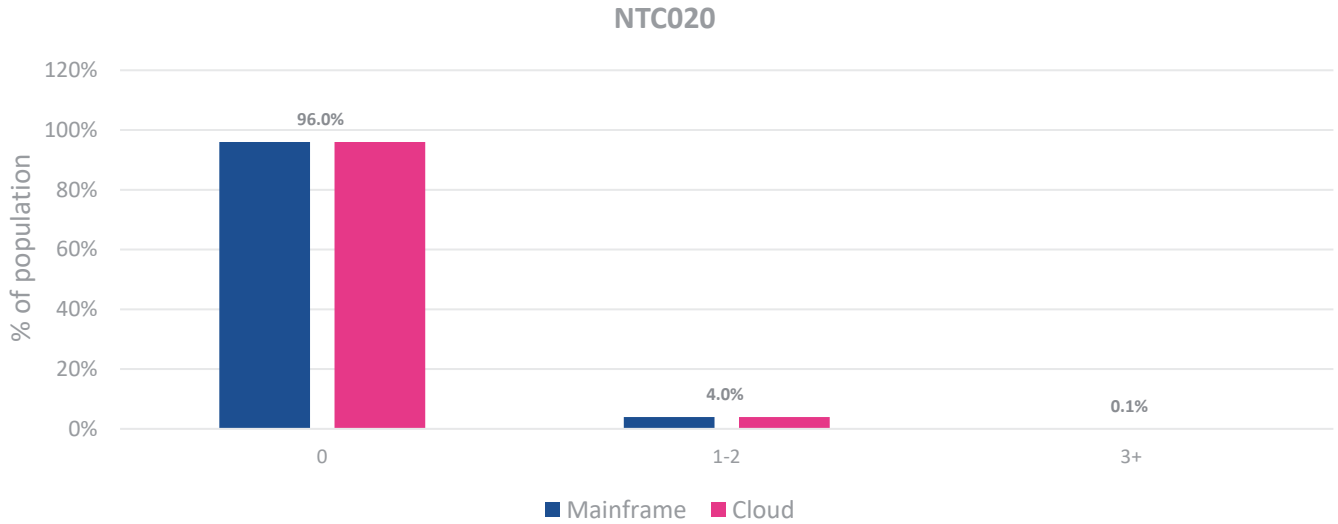| Category	%
$0	55.9%
$1-2,000	17.9%
$2,001-4,000	3.9%
$4,001-6,000	2.4%
$6,001-10,000	3.0%
$10,001-25,000	5.2%
$25,001-50,000	3.4%
$50,001-100,000	2.7%
$100,001-200,000	2.0%
$200,001-500,000	1.8%
$500,000+	1.8%

Legend: ■ Mainframe ■ Cloud

ACC001: Total number of active trades within the last 12 months

ACC001

TTC058: Total number of trades with DBT greater than 30

TTC058

NTC020: Total number of new trades

NTC020

% of population

- 0: Mainframe 96.0%, Cloud 96.0%
- 1-2: 4.0%
- 3+: 0.1%

■ Mainframe ■ Cloud

IQC001: Total number of inquiries in the last nine full months

IQC001

% of population

- 0: 83.9%
- 1-2: 10.5%
- 3-4: 2.7%
- 5-6: 1.2%
- 7-8: 0.6%
- 9-10: 0.3%
- 11-20: 0.6%
- 21+: 0.1%

■ Mainframe ■ Cloud
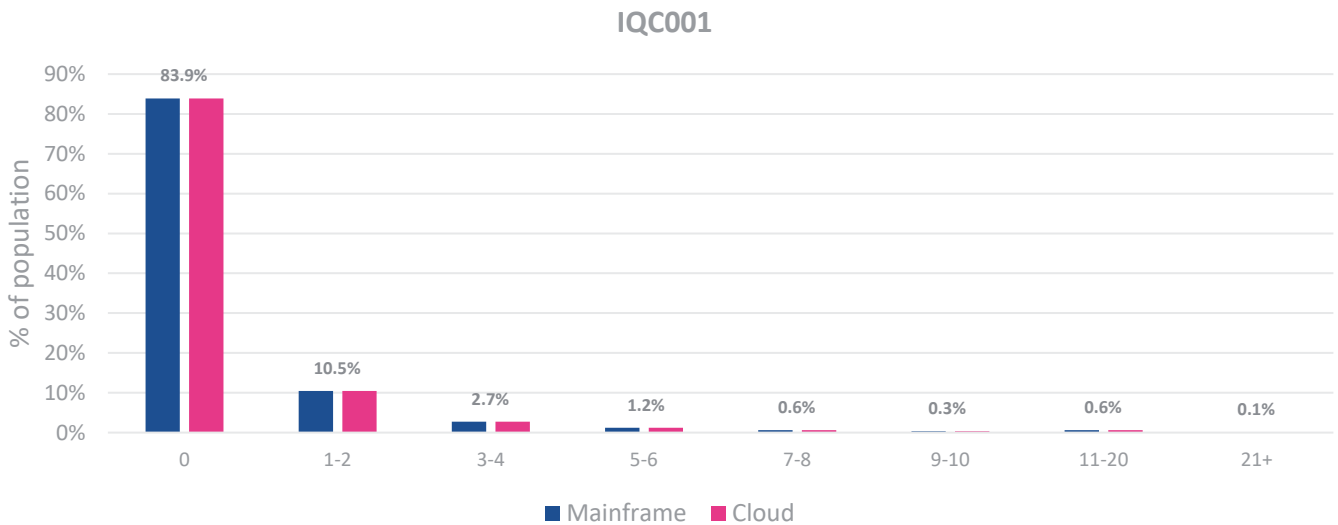
CLB001: Total amount placed for open and closed unpaid collections
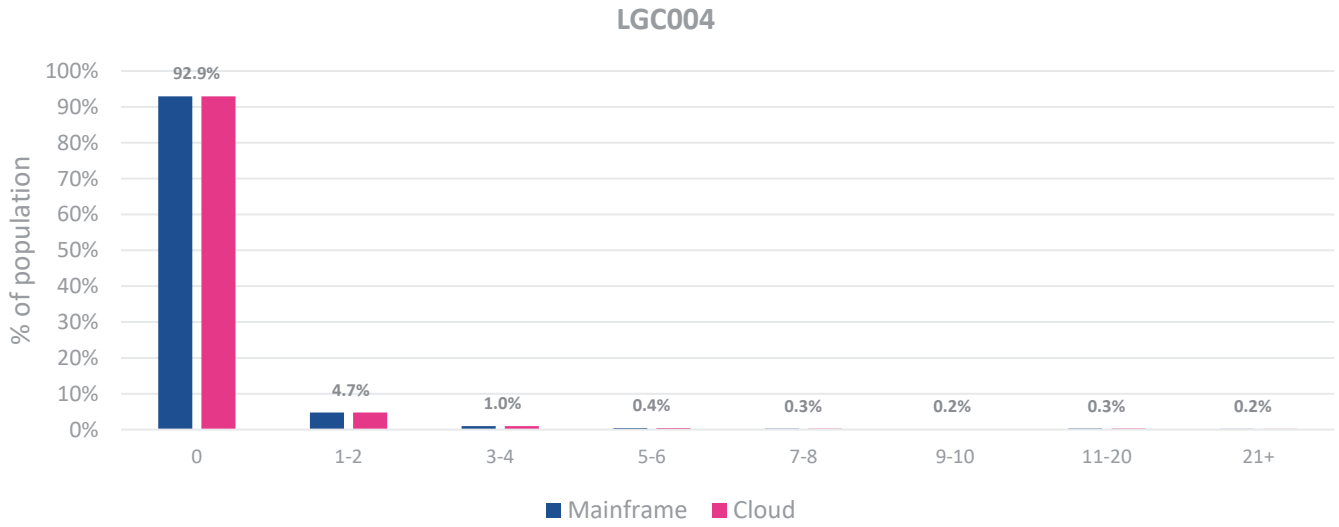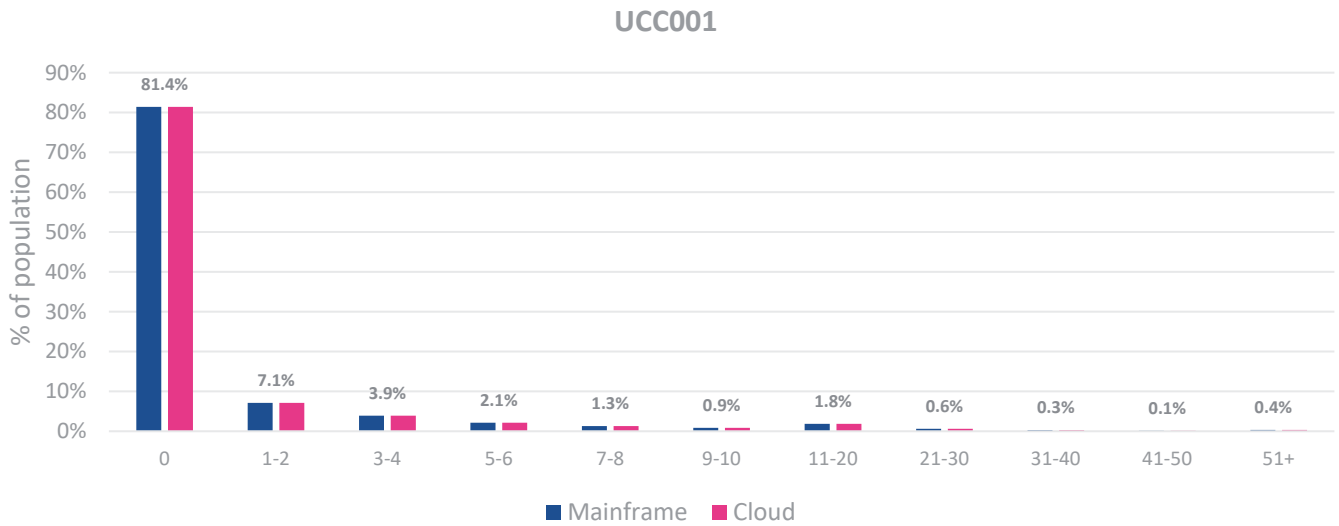
CLB001
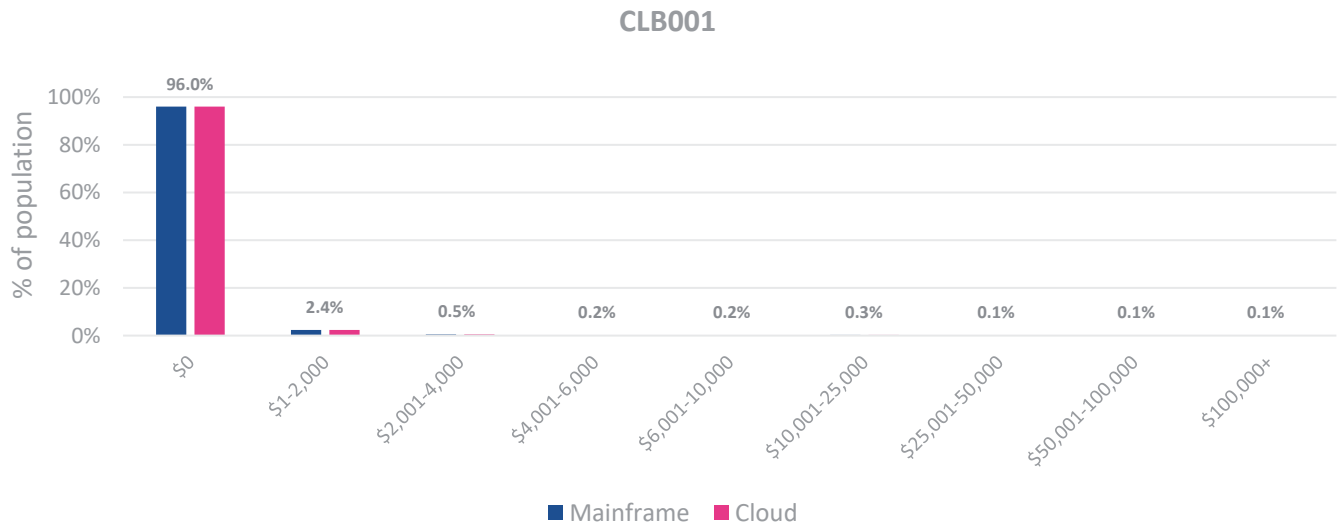
JDC007: Total # of judgments filed within 12 months of profile date (excluding release, satisfied, abstract or vacate)

JDC007
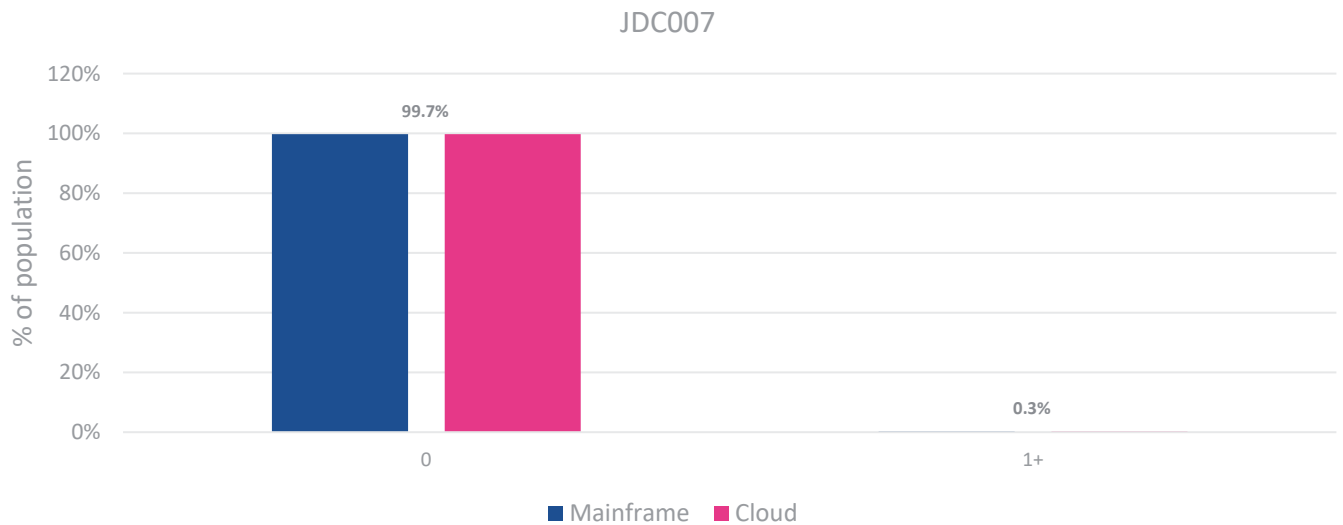
LGC004: Total number of legal filings, including bankruptcies, tax liens and judgments.

LGC004

Bar chart showing % of population by number of legal filings:

Category	Value
0	92.9%
1-2	4.7%
3-4	1.0%
5-6	0.4%
7-8	0.3%
9-10	0.2%
11-20	0.3%
21+	0.2%

■ Mainframe   ■ Cloud

UCC001: Total number of UCC filings — detail

UCC001

Bar chart showing % of population by number of UCC filings:

Category	Value
0	81.4%
1-2	7.1%
3-4	3.9%
5-6	2.1%
7-8	1.3%
9-10	0.9%
11-20	1.8%
21-30	0.6%
31-40	0.3%
41-50	0.1%
51+	0.4%

■ Mainframe   ■ Cloud

TTO077: Age, in months, since business first added to Experian file

TTO077

Bar chart showing % of population by age in months since business first added to Experian file, comparing Mainframe (blue) and Cloud (pink):

Category	Value
0	0.0%
1 mo	0.0%
2-6 mos	0.8%
7-12 mos	1.8%
13-18 mos	1.4%
19-24 mos	1.4%
25-36 mos	3.6%
37-48 mos	4.1%
49-60 mos	4.5%
60-120 mos	21.6%
121-240 mos	28.9%
241+ mos	31.8%

Legend: ■ Mainframe ■ Cloud

What else you should know

All clients are expected to transition to the cloud by October 2024.

BIS will make every effort to ensure a smooth transition for you and your teams.

Please bookmark the **BIS Technology Transformation** website and check back for periodic updates.

If you have specific questions about this transformation, please contact your account executive or our Customer Support team at the number below.

Customer Support
1 800 520 1221, option 3
8 a.m.–5 p.m. CT
bigsupport@experian.com

Our Technical Support teams will continue to support you throughout this transition. Their numbers are listed below for your reference:

Experian Technical Support — for technical issues during normal business hours:
1 800 854 7201, option 3
tscbissupport@experian.com
7 a.m.–8 p.m. CT, Monday through Saturday
7 a.m.–7 p.m. CT, Sunday

Experian's Global Operations Center — for urgent issues after normal business hours:
1 800 553 4785