Building Blocks for a Fintech World, IBM Cloud-based Services for Building Innovative Fintech Apps

William Bradshaw, Global NLG Advisor, Arria NLG

ARRIA

WWW.ARRIA.COM

Before we Start - Accounts

NLG Studio

https://app.studio.arria.com/

IBM Cloud

Instructions on your desk

What is Natural Language Generation?

- AI that can write

- Anything producing text that could have been written by a human

- NLG - Going from Data into Text

- NLU – Going from Text into Data

- Arria NLG are the leading providers of sophisticated NLG

ARRIA

Simple Example: Weather Forecast

London Heathrow Airport

Change table layout
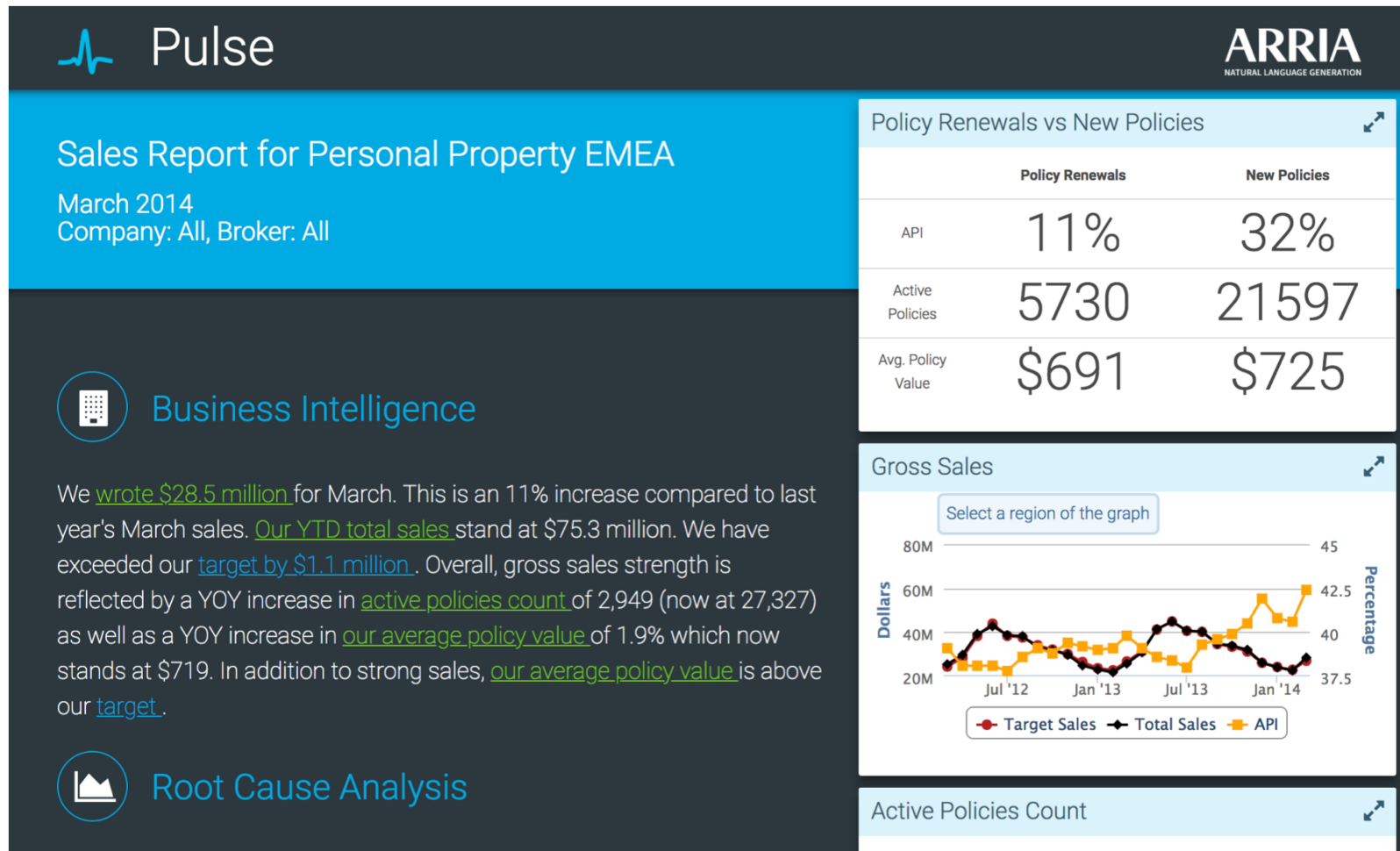
| Tue 4 Mar | Wed 5 Mar | Thu 6 Mar | Fri 7 Mar | Sat 8 Mar |

06:00 Wed 05 Mar 2014 - 06:00 Thu 06 Mar 2014

Sunshine from mid-morning and into the afternoon. Staying dry, but becoming cloudier from early evening and into Thursday. It is likely to feel milder than on Tuesday with a maximum temperature during the afternoon in the region of 11C and a minimum temperature overnight of around 6C. Light winds throughout.

UK local time	Warnings for Greater London	Weather	Precip. (%)	Temp (°C)	Feels like (°C)	Wind speed & direction (mph)	Wind gusts (mph)	Visibility	Humidity (%)	UK local time	Daily air quality index (BETA)
0000	No warnings		<5	4	3	4	No gusts	Moderate	90	0	
0300	No warnings		<5	3	2	4	No gusts	Moderate	92	0	

Complex Example: Business Metrics

Today's Application

The value of your IBMPortfolio is $262,239.52. You have investments across six different issuers spanning five sectors. Technology is your largest sector allocation in the portfolio, making up 69.7% of the total value. Your three largest allocations by issuer are IBM at $179,820, Frontier Communications Corp at $51,843.36 and Fedex Corp at $21,308.18 and the four positions across these three issuers comprise 96.5% of your portfolio by value.

Sectors

The Technology investment is almost entirely made up from your position in IBM. You have 1,000 units of CX_US4592001014_NYQ at $179.82 , worth a total of $179,820. The remainder is achieved through $2,951.92 in Microsoft Corp.

Your positions issued by Frontier Communications Corp make up your entire investment in Communications, totalling $51,843.36. The positions consist of 400 units of CX_US35906AAL26_USD at $106.63 and 100 units of CX_US35906AAN81_USD at $91.9 .
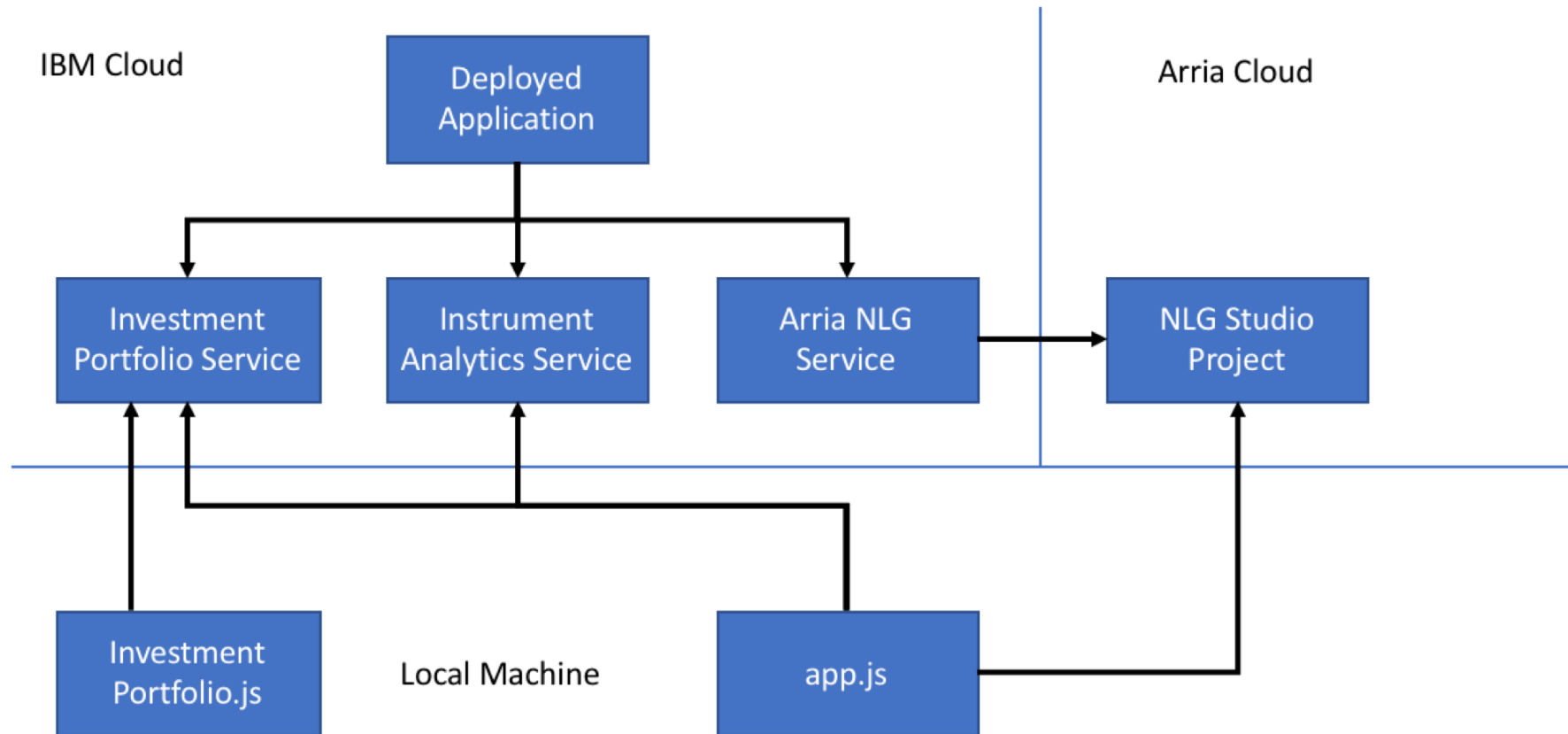
Remainder

The portfolio has also invested in Transportation, Health Care and Finance Companies, but these each make up less than 10% of the total portfolio.

Please note that all values are theoretical, actual market valuation may differ slightly.

Sector	Issuer	Position	Units	Unit Value	Total Value
Technology	IBM	CX_US4592001014_NYQ	1000	$179.82	$179820.00
Technology	Microsoft Corp	CX_US594918AQ78_USD	30	$98.40	$2951.92

Architecture

Today's Workshop

https://github.com/arria-nlg/index-arria-workshop

1. Trying the Application

2. Setting up the Application

3. Expanding the Narrative

ARRIA

Arria at Index

Tuesday	12:00 – 2:30	Building Blocks for a Fintech World, IBM Cloud-based Services for Building Innovative Fintech Apps
Wednesday	1:00 – 1:45	Discover how to include natural language generation in your applications
	3:00 – 3:30	Twitch Interview with Arria NLG
	4:00 – 6:00	Ask Me Anything – Global NLG Advisor, William Bradshaw
Thursday	10:30 – 12:00	Ask Me Anything – Chief Scientist, Professor Ehud Reiter
	12:05 – 12:20	Talk to Your Users with Natural Language Generation

ARRIA

Contact Us

support@arria.com

william.bradshaw@arria.com

alf@us.ibm.com – Lennart

ARRIA
NATURAL LANGUAGE GENERATION

NORTH AMERICA | EMEA | APAC

WWW.ARRIA.COM