

From siloed use of R to a Community with IT support

Digital Platform Team

Benjamin Gin

Siqi Liang

Yidong Wang (holding the fort)

Karen Wang (on secondment)

1. Where we are now

2. The Journey

3. What's next?



R Centre of Excellence

- Internal training
- FRAN

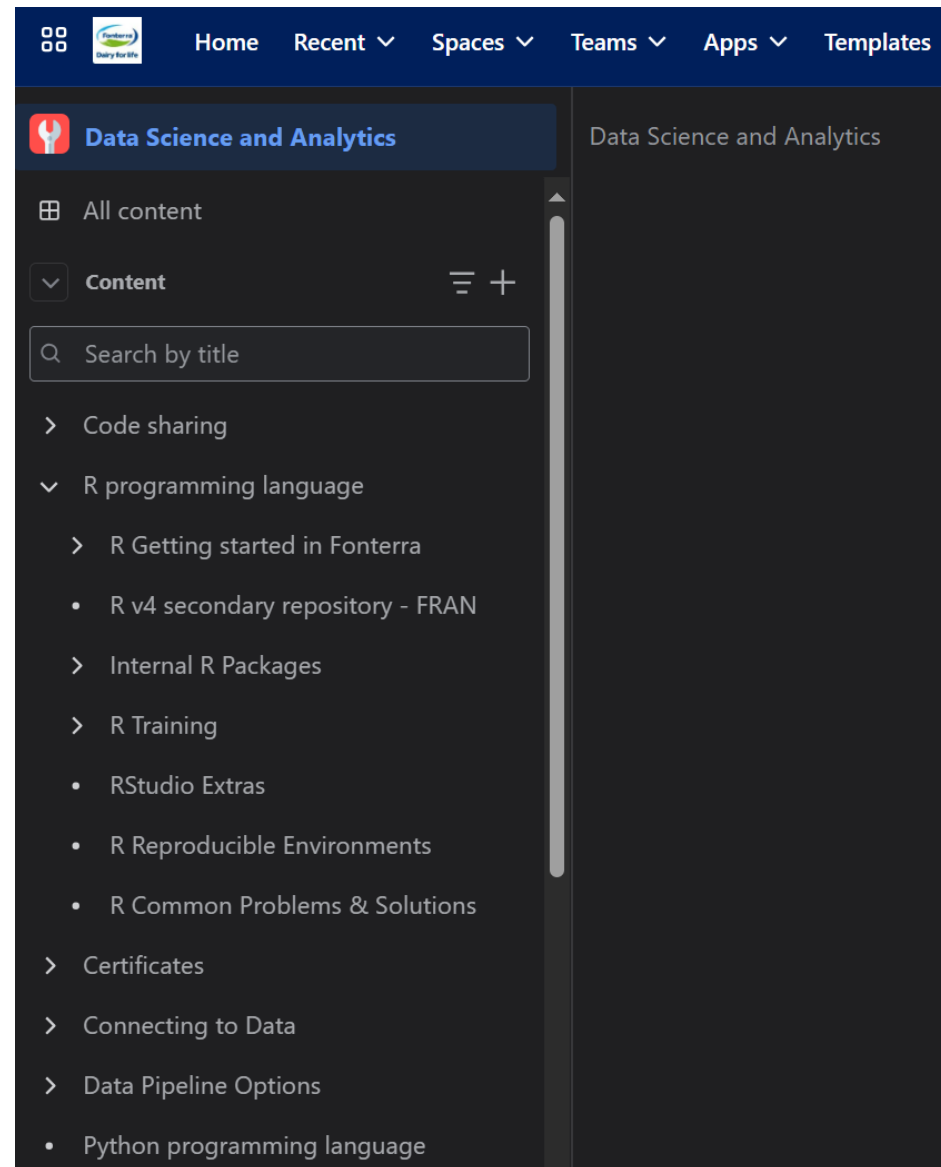
```
[ FAIL 2 | WARN 9 | SKIP 0 | PASS 134 ]
Warning messages:
1: tests/testthat/test-date_functions.R:
  Line 28 date_functions work
  Line 29 date_functions work
  Line 30 date_functions work
  Line 31 date_functions work
2: tests/testthat/test-get_fei_data.R:
  Line 4 get_fei_data() works
  Line 7 get_fei_data() works
3: tests/testthat/test-get_raw_milk_data.R:
  Line 10 get_raw_milk_test_data() works
  Line 17 get_raw_milk_test_data() works
4: tests/testthat/test-lab_test_functions.R:
  Line 113 get_lab_test_results() works
  Line 118 get_lab_test_results() works
5: tests/testthat/test-material_functions.R:
  Line 10 spec functions work
6: tests/testthat/test-get_raw_milk_data.R:
  Line 17 get_raw_milk_test_data() works
7: tests/testthat/test-material_functions.R:
  Line 10 spec functions work
```

[\[To Parent Directory.\]](#)

5/17/2022 1:44 PM	<dir> aotR
3/10/2020 8:56 AM	<dir> bin 
2/28/2023 1:36 PM	<dir> cado
1/19/2023 3:37 PM	<dir> foncon
6/23/2023 4:40 PM	<dir> fonllm
7/15/2022 2:31 PM	<dir> fonshareR
4/21/2021 11:40 AM	<dir> fran
3/15/2024 9:40 AM	<dir> gatR
5/8/2019 12:39 PM	274517 gatR aotR cheatsheets.pdf
7/22/2021 5:20 PM	<dir> iocR
3/18/2024 5:36 PM	<dir> milkvat
7/31/2018 5:15 PM	21 Public.txt
9/28/2018 3:46 PM	<dir> src 
4/15/2019 9:29 AM	<dir> user
8/1/2018 11:58 AM	168 web.config
3/12/2024 11:42 AM	1265896 whareroa-map.png
3/18/2024 9:41 AM	<dir> yields

R Centre of Excellence

- Internal training
- FRAN
- Information sharing
 - Confluence
 - Viva Engage
- Posit Connect*



Shiny (and other custom app) production deployment

RShiny (I&I)

RShiny / Manufacturing

Deployed within Azure, with each RShiny App residing in a dedicated container on Azure App Service. This is deployed across numerous subscriptions as required.



Azure Front
Door

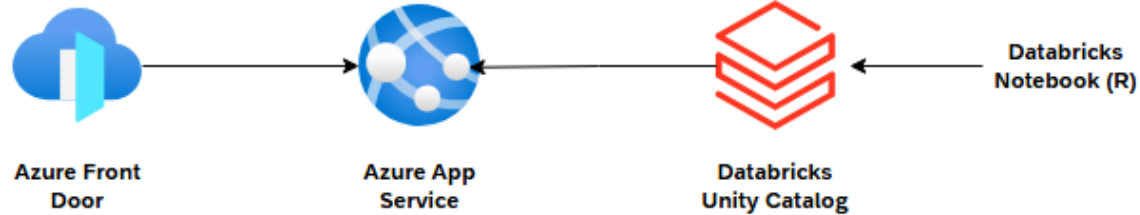


Azure App
Service

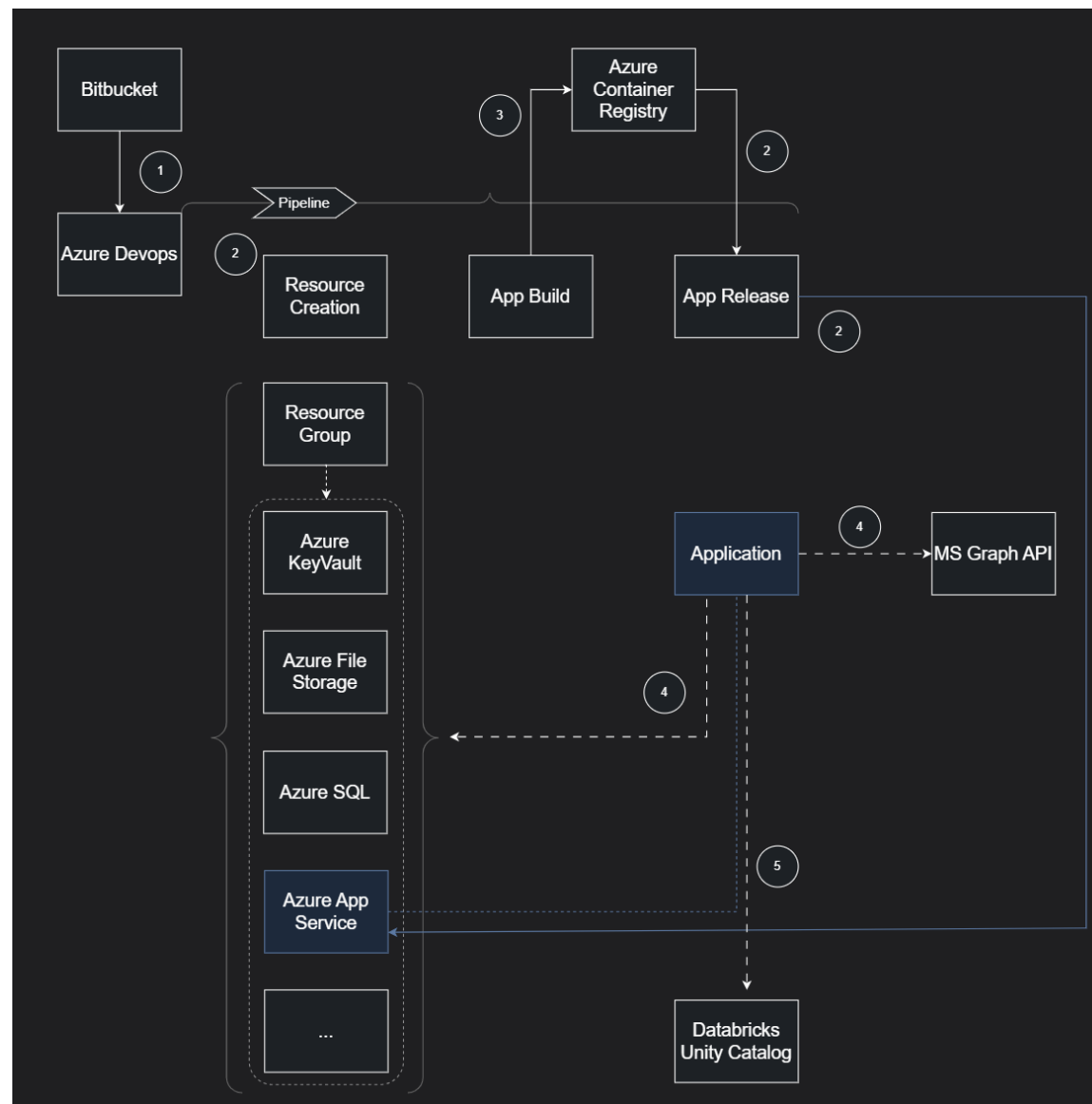


Databricks
Unity Catalog

Databricks
Notebook (R)



Shiny (and other custom app) production deployment



Load testing

		1 Concurrent user	2 Concurrent user
R Shiny code	Docker File		

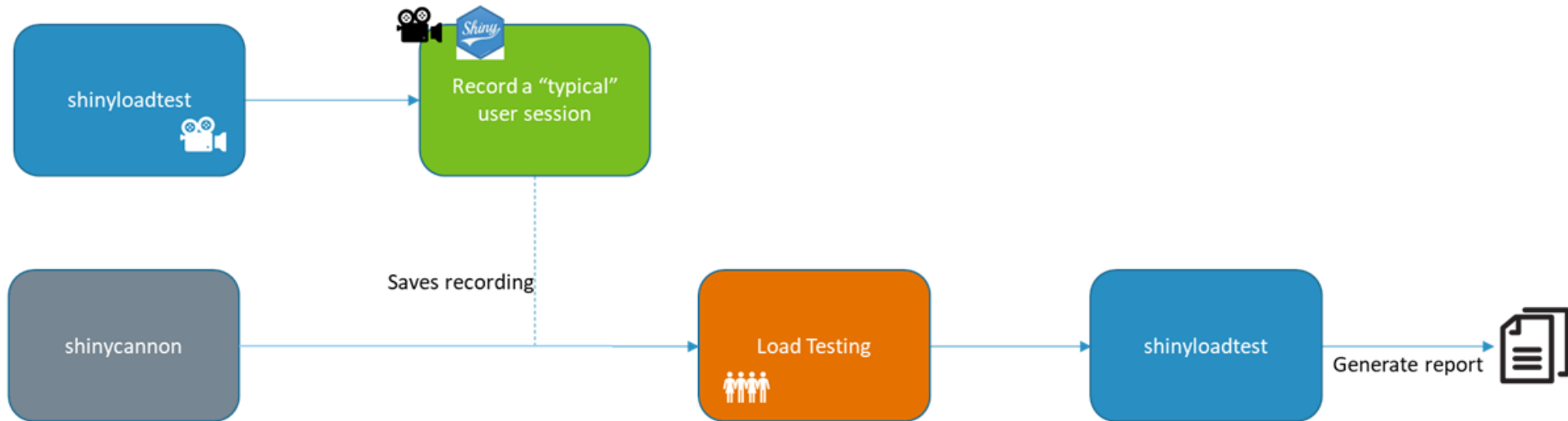
Load testing

		1 Concurrent user	2 Concurrent user	5 Concurrent user	Independent
 R Shiny code	 Docker File				
 R Shiny code	 Docker File				

Load testing

		1 Concurrent user	2 Concurrent user	5 Concurrent user	Independent
 R Shiny code	 Docker File				
 R Shiny code	 Docker File				
 R Shiny code	 Docker File				

ShinyCannon and ShinyLoadTest



ShinyCannon and ShinyLoadTest

		1 Concurrent user	2 Concurrent user	5 Concurrent user	Independent	20 Concurrent user
 R Shiny code	 Docker File					
 R Shiny code	 Docker File					
 R Shiny code	 Docker File					

Profiling with Profvis

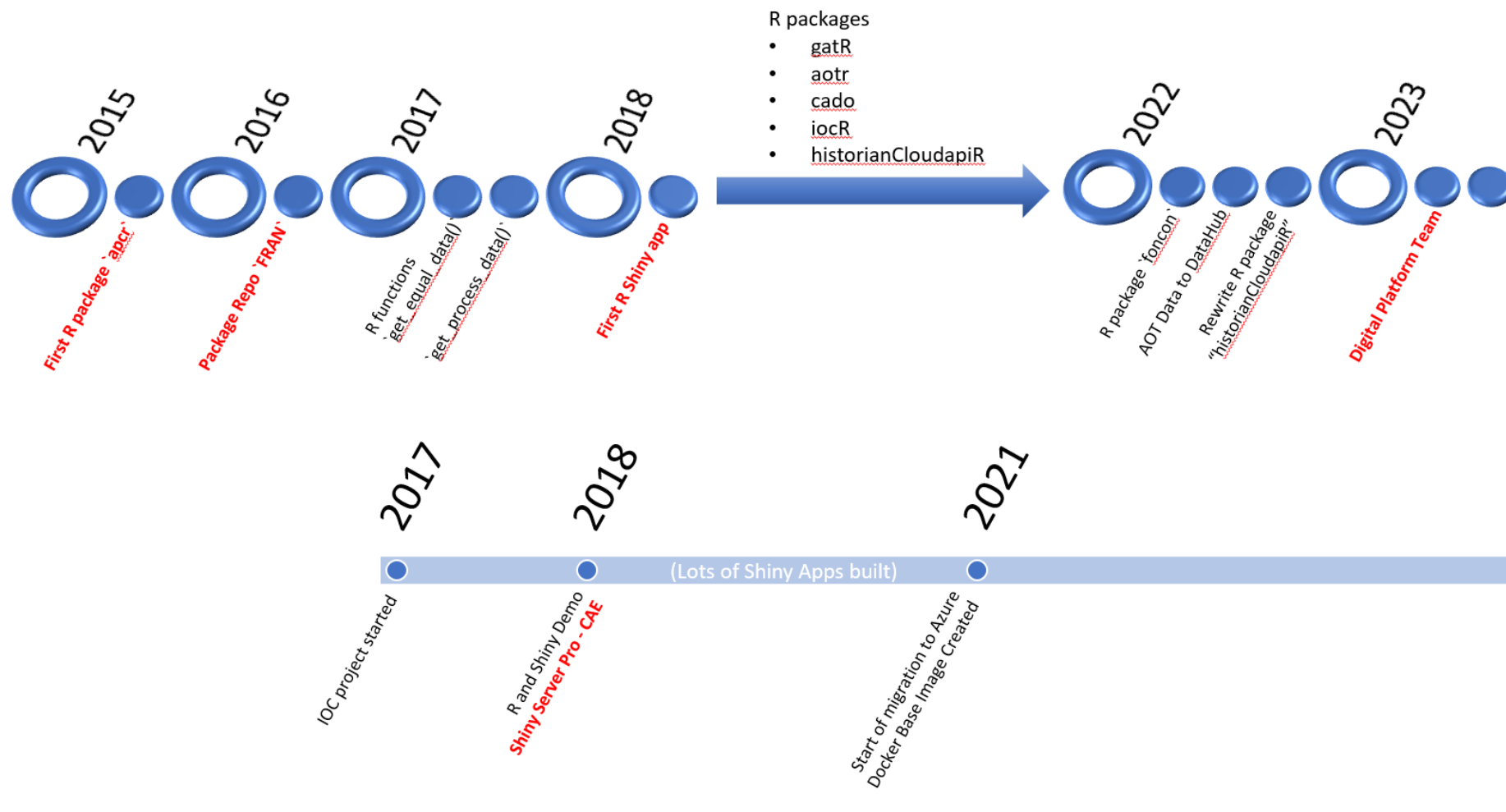
2. The Journey

~~1) Where we are now~~

3. What's next?



History



3. What's next?

~~1) Where we are now~~

~~2) The Journey~~



VectorStock®

VectorStock.com/23639714

Thank you for listening

