

# Digital Court Program Future Tech



February 2023

# Why?

## REDUCE RISK

Cybersecurity, resilience, skillset availability, reduction maintenance costs and errors

## IMPROVE ACCESS TO DATA

Corporate and judicial decision makers have access to the information they need

## INTRODUCE USEFUL TECHNOLOGY

Create a workplace where staff have the tools they need to do their work

## SIMPLIFY SYSTEMS

Systems should be intuitive and accessible



# CURRENT STATE

User managed	Provider managed		
On premises	IaaS	PaaS	SaaS
Application	Application	Application	Application
Data	Data	Data	Data
Runtime	Runtime	Runtime	Runtime
Middleware	Middleware	Middleware	Middleware
Operating system	Operating system	Operating system	Operating system
Virtualization	Virtualization	Virtualization	Virtualization
Networking	Networking	Networking	Networking
Storage	Storage	Storage	Storage
Servers	Servers	Servers	Servers

# FUTURE STATE

# Why?

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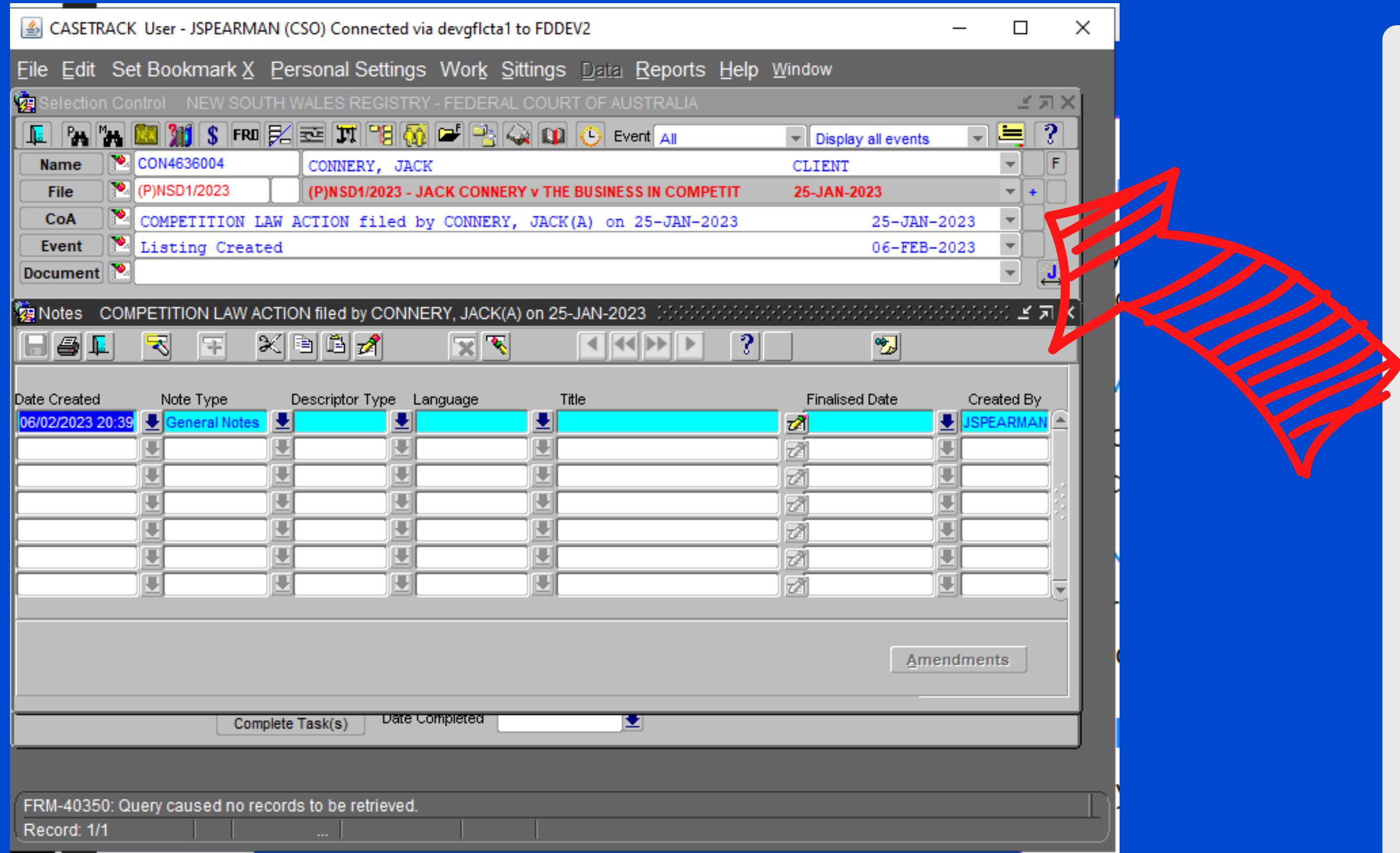
## INTRODUCE USEFUL TECHNOLOGY

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SURPRISE!

It's a blank  
button click on  
it and it  
displays the  
notes form!



# \* Disclaimer

Independence of the judiciary

Data sovereignty

Transparency / accountability

Reliability





A close up of a lush green field  
Tags: grass, field, sheep, standing, rainbow, man

<https://www.aiweirdness.com/do-neural-nets-dream-of-electric-18-03-02/>



Left: A man is holding a dog in his hand  
Right: A woman is holding a dog in her hand

*Image: @SouperSarah*



A group of orange flowers in a field

*Image credit: Richard Leeming @RM\_Leeming - CC-BY License*

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# What is the future?

TECHNOLOGIES

## Automation

- Process automation
- Action triggers and workflow
- Exception handling
- Building sensors and monitoring tools to create actionable events

## Business Intelligence

## Search

## Cloud tools

## AI and cognitive services



# What is the future?

TECHNOLOGIES

Automation

Business Intelligence

- Trust in data we store and clear definitions
- Streamline access to data
- BI dashboards and visualisation
- Insights and trend analysis

Search

Cloud tools

AI and cognitive services



# What is the future?

TECHNOLOGIES

Automation  
Business Intelligence

Search

- Ingesting data from structured databases, document stores
- Enriching our data through OCR, language detection, analysis and classification
- Accessibility tools

Cloud tools

AI and cognitive services



# What is the future?

TECHNOLOGIES

Automation  
Business Intelligence  
Search  
Cloud tools  
• IaaS  
• Hosting and storage  
• Industry standard cybersecurity and development  
AI and cognitive services



# What is the future?

TECHNOLOGIES

Automation  
Business Intelligence  
Search  
Cloud tools  
AI and cognitive services

- Pattern recognition and categorisation
- Anomaly and edge case detection
- Speech recognition and language translation
- Modelling and forecasting
- Natural language processing



# How are we going to approach this work?



# How are we getting there?

TECHNOLOGIES

## Foundations

- Solution architecture
- Data collection
- Trust in data definitions
- Cybersecurity
- Document storage
- Good development practices

Cloud-uplift

Industry Standards

Standardised tools



# How are we getting there?

TECHNOLOGIES

## Foundations

## Cloud-uplift

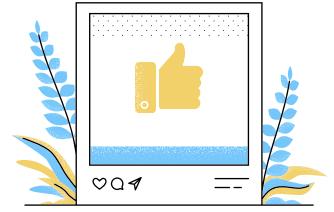
- Hosting
- Data storage
- Pipelines
- Vulnerability scanners
- 0365
- Access to Azure toolsets

## Industry Standards

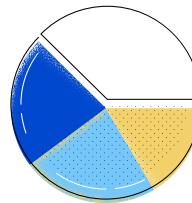
## Standardised tools



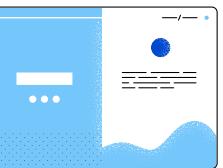
# Research



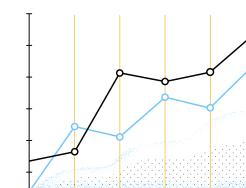
Industry standard tools



How other agencies are making progress on their technology goals



User research within our agency to articulate ways of working



Identify use cases for processes that can be improved

# Demo

Have a chat with ChatGPT

