## DEVELOPING DIGITAL AND DATA SKILLS AND CAPABILITIES IN PUBLIC SERVICE ORGANISATIONS

SFIA Webinar 14 Sep. 2022



#### The Australian Public Service (APS)...

- Employs approximately 10,000 digital professionals in around 200 agencies
- Builds and supports this workforce through the APS Digital Profession
- Uses a capability model and capability frameworks to describe digital roles
- Has been using SFIA extensively since 2010
- Also uses other capability frameworks like the APS Data Capability Framework (DCF)
- Established a country-wide SFIA licence in 2021
- Supports the Australian and New Zealand public sector with a SFIA community of practice
- The Community of Practice invites collaboration from the entire SFIA user community through workshops focused on SFIA enhancement (currently working towards SFIA 9 change requests)

#### Influencing the development of SFIA

 The Australian and New Zealand SFIA community of practice was successful in suggesting the following skills for inclusion in SFIA 8:

Data engineering Machine learning
Data science Numerical analysis
High-performance computing Scientific modelling

- The community is working on suggestions for SFIA 9, including:
  - More guidance and examples of how to use SFIA
  - Expanded consideration of behavioural skills, ethics, knowledge etc.
  - New skills related to Industrial control systems, Mathematics, Linguistics and Broadcast and digital media.
- The community thinks of SFIA as 'our framework'

#### The Australian whole-of-country SFIA license

• In 2021 Australia established an economy-wide license that covers everyone and all businesses based in Australia.

# Powered by SFIA-AU

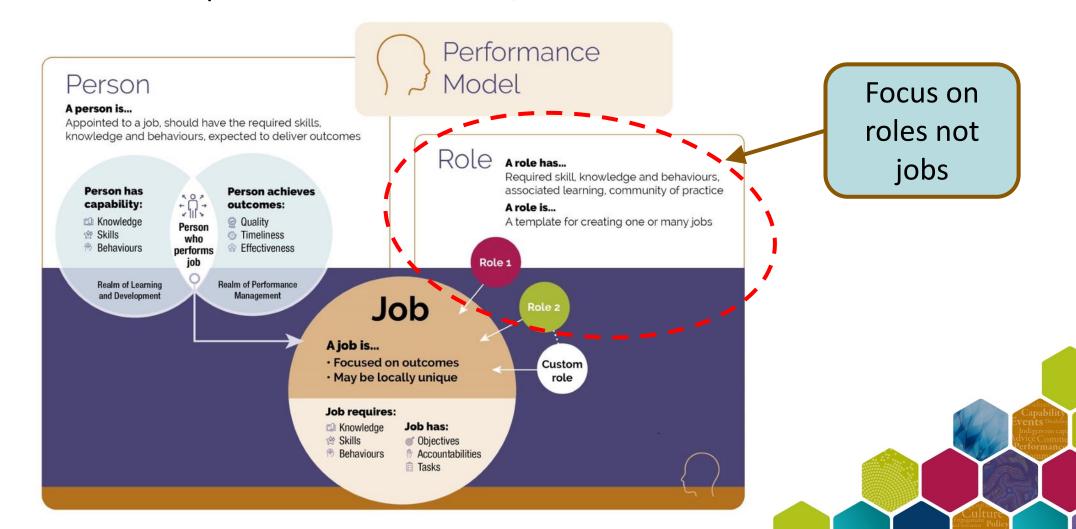
• For more information: <a href="https://www.digitalprofession.gov.au/guides-and-resources/skills-framework-information-age">https://www.digitalprofession.gov.au/guides-and-resources/skills-framework-information-age</a>

#### **APS Career Pathfinder is...**

- a Digital Profession initiative aimed at building and retaining digital capability in the Australian Public Service
- designed to help people compare their skills to digital roles of interest to them
- based on capability frameworks (primarily SFIA) and can adapt to any
- data driven role data comes from data.gov.au, provided by experts
- uses learning catalogues mapped to capability frameworks
- quite new first release 22 July 2022
- working towards open source development if you are interested in potential collaboration please contact us via: DigitalProfession@apsc.gov.au

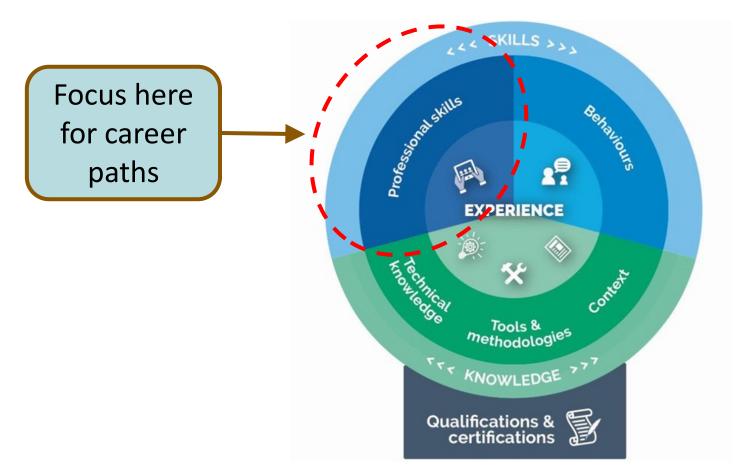
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• Career Pathfinder operates at the role level, not Job level



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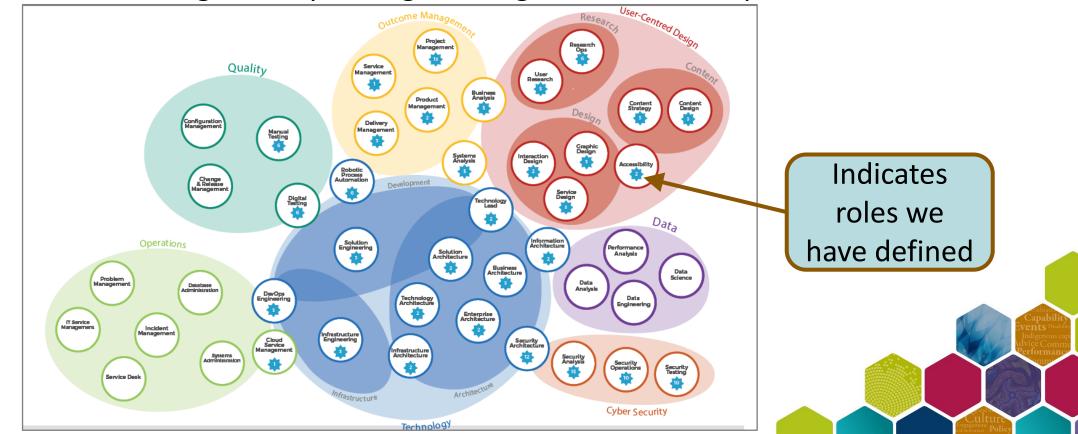
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- We focus on the professional skills part of our capability model



But don't forget that all capabilities are important in jobs

#### A few things to note before we dive in...

- Career Pathfinder operates at the Role level, not Job level
- We focus on the professional skills part of our capability model
- We are still working our way through the digital skills landscape



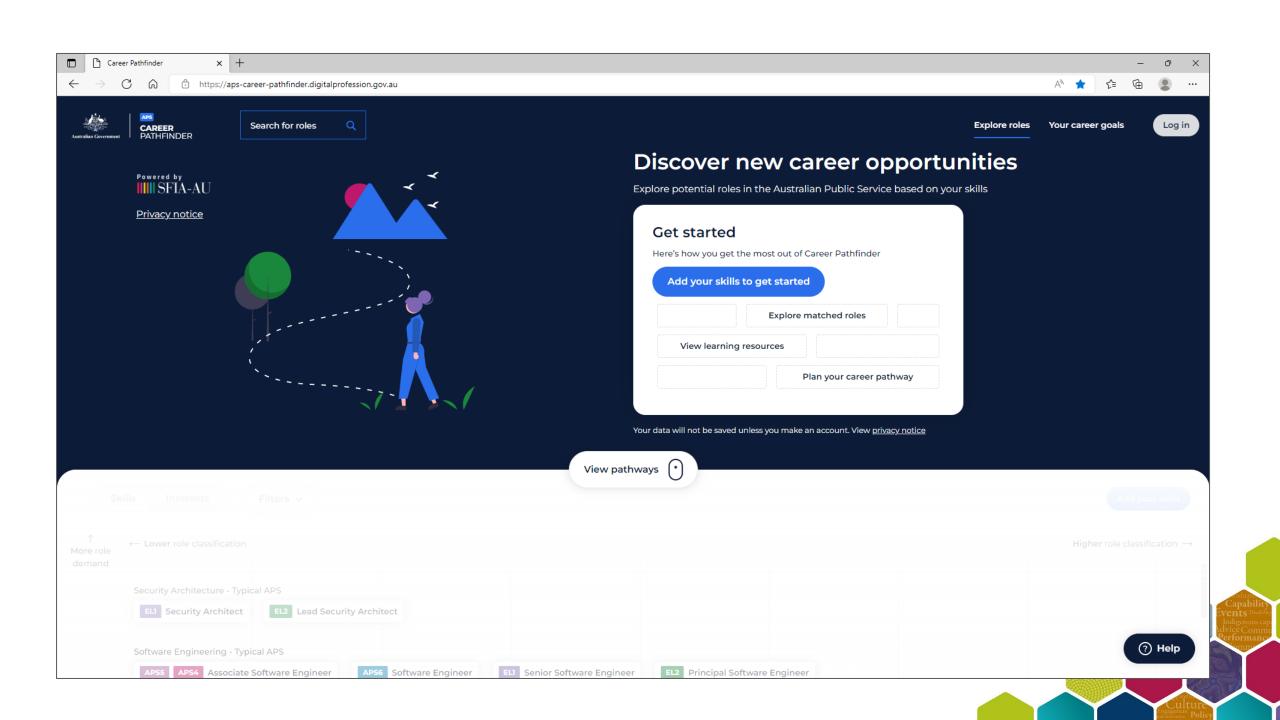
#### **APS Career Pathfinder contains...**

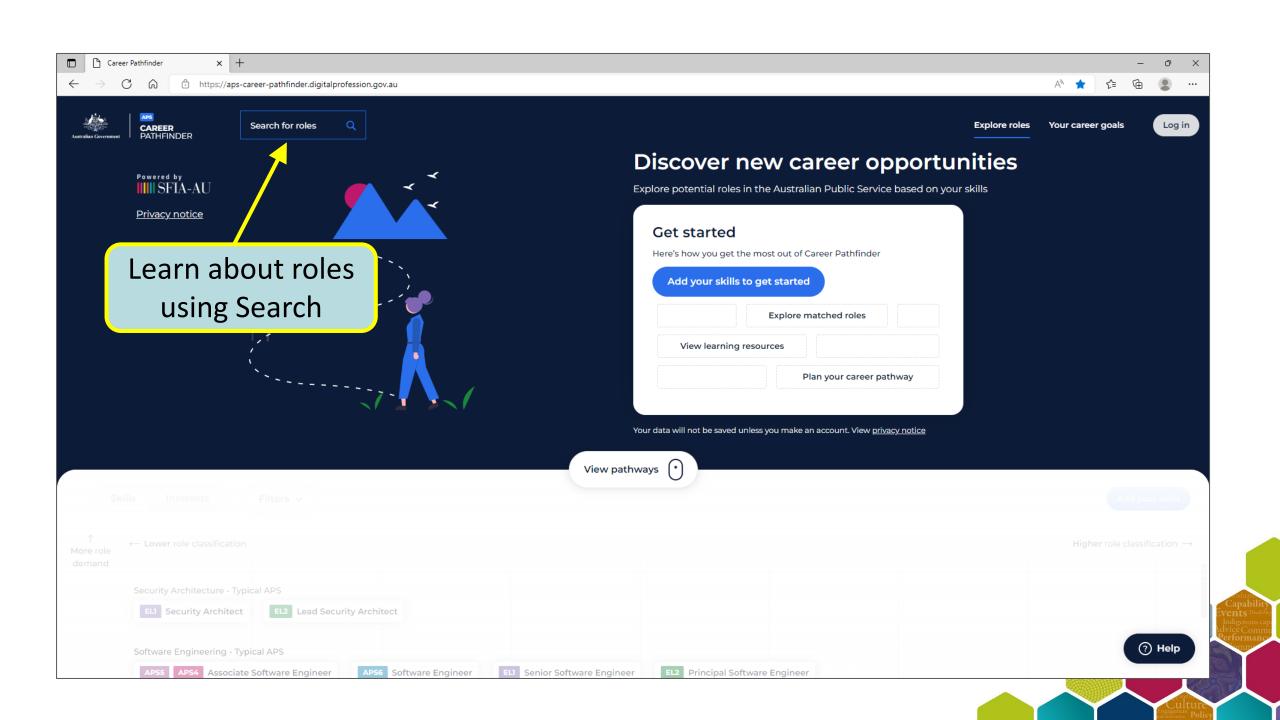
- 177 digital roles in total across 48 disciplines, growing as we collect more data
- 3 capability frameworks: SFIA, CIISec (cyber security) and DCF (data)
- Learning catalogues mapped to the capability frameworks
- Features for workforce managers to find people based on their skills, if people choose to be discoverable

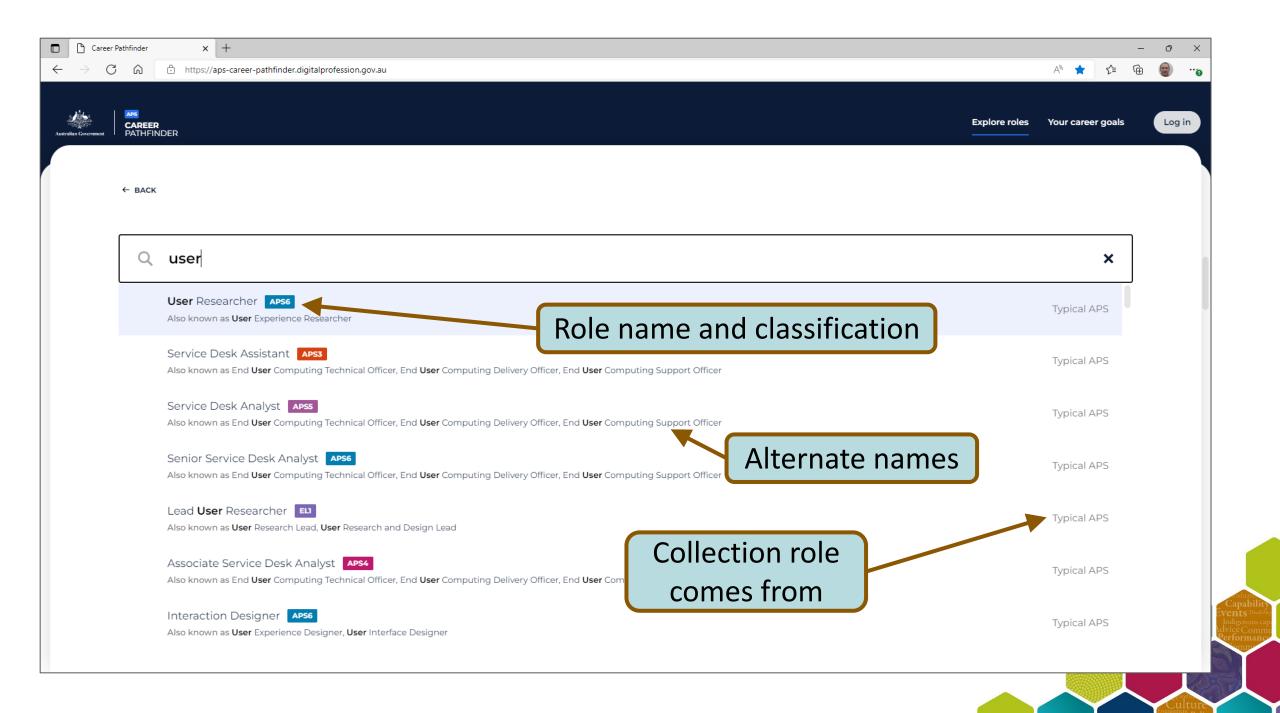
Live demo... APS Career Pathfinder

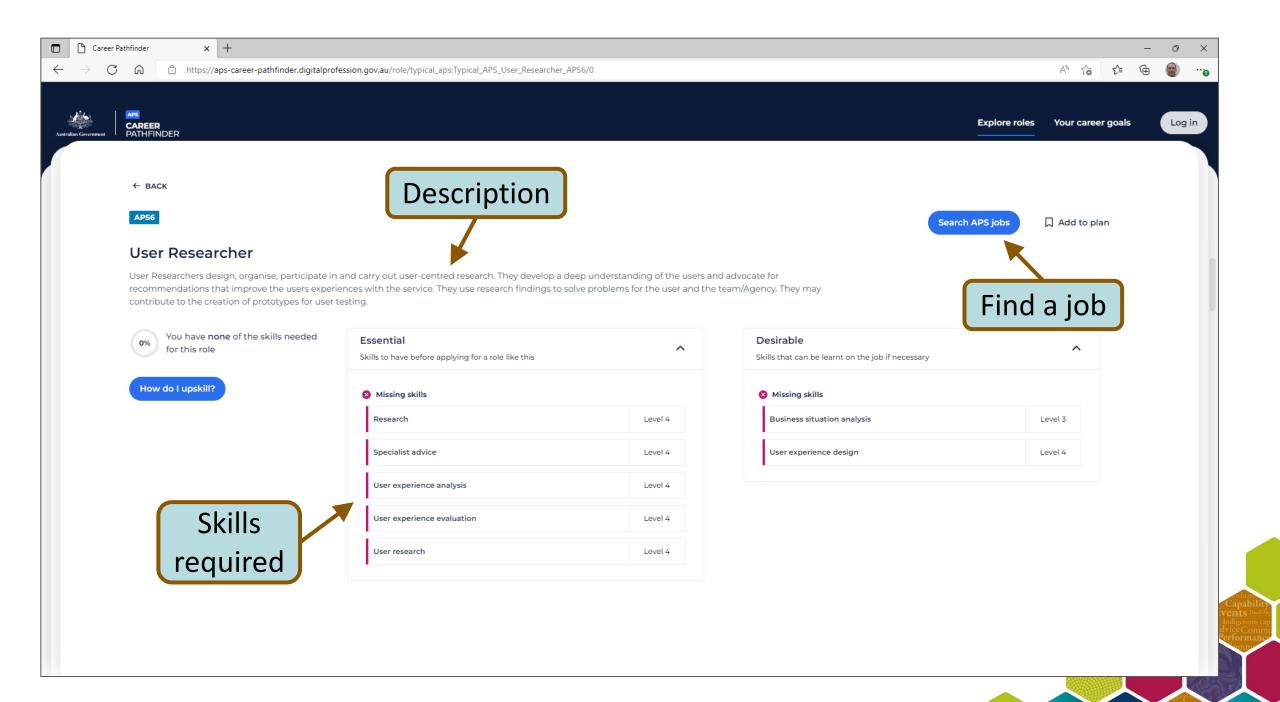
Jump to end

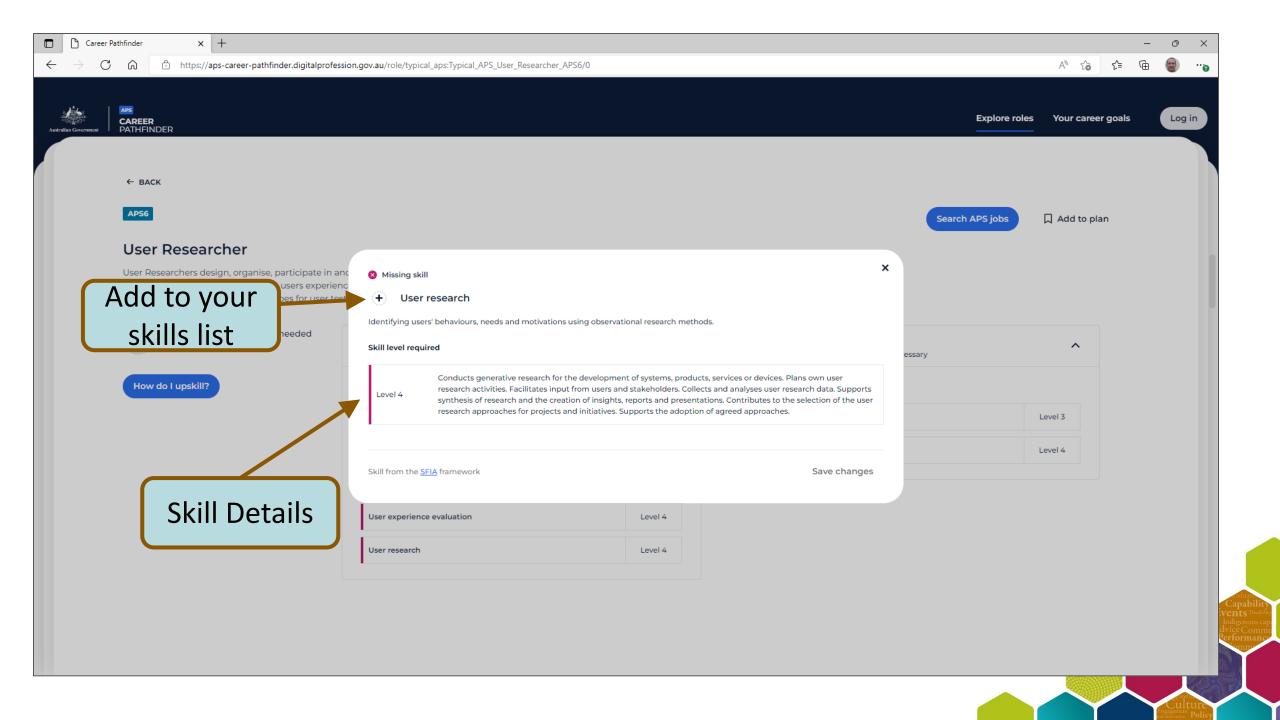


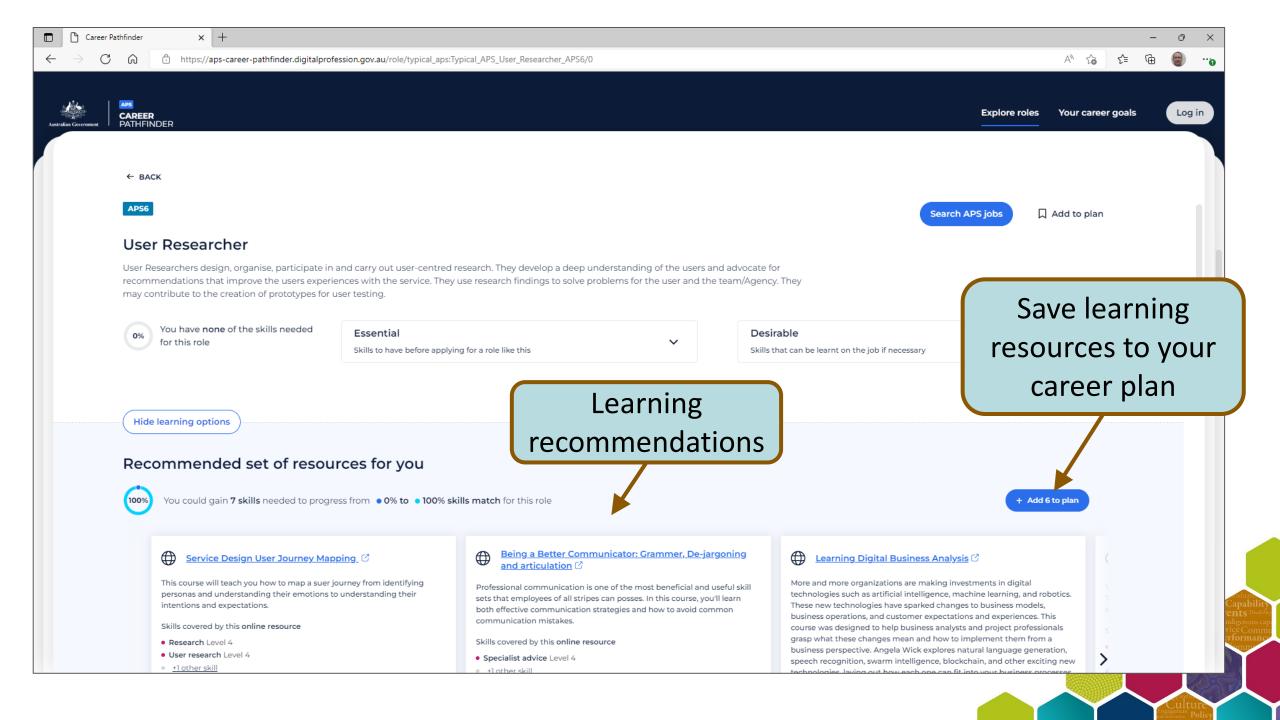


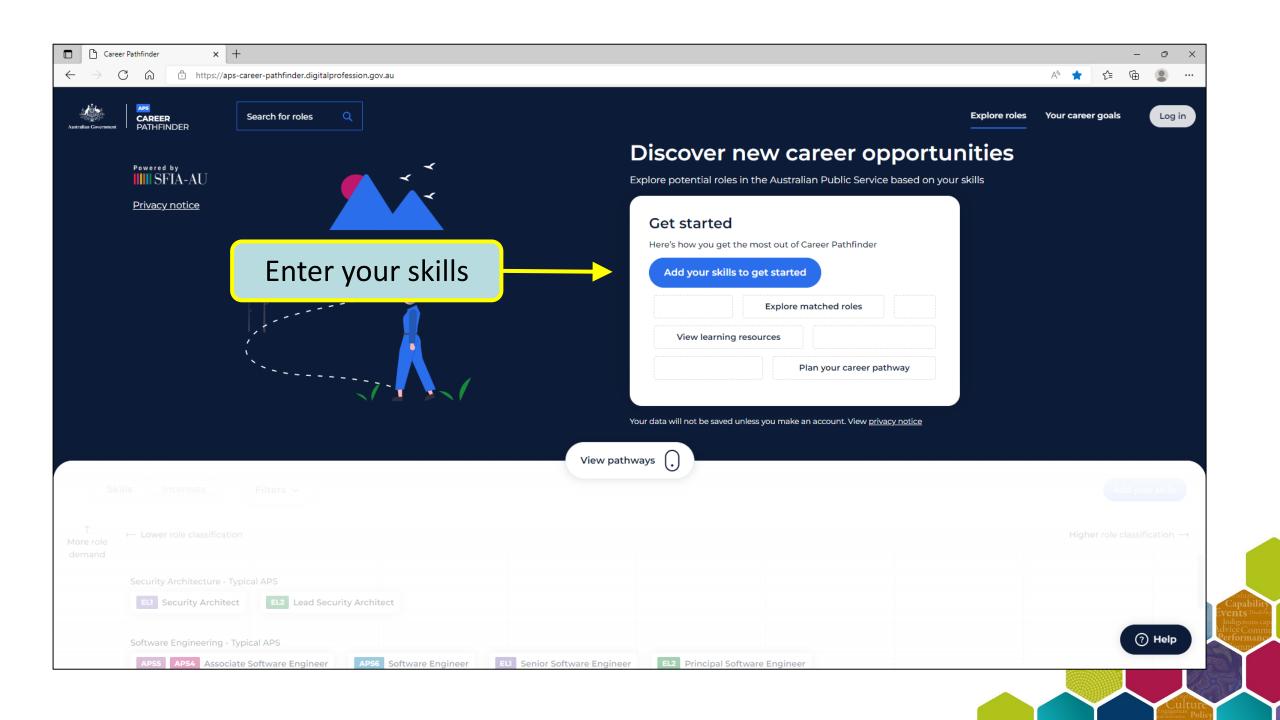


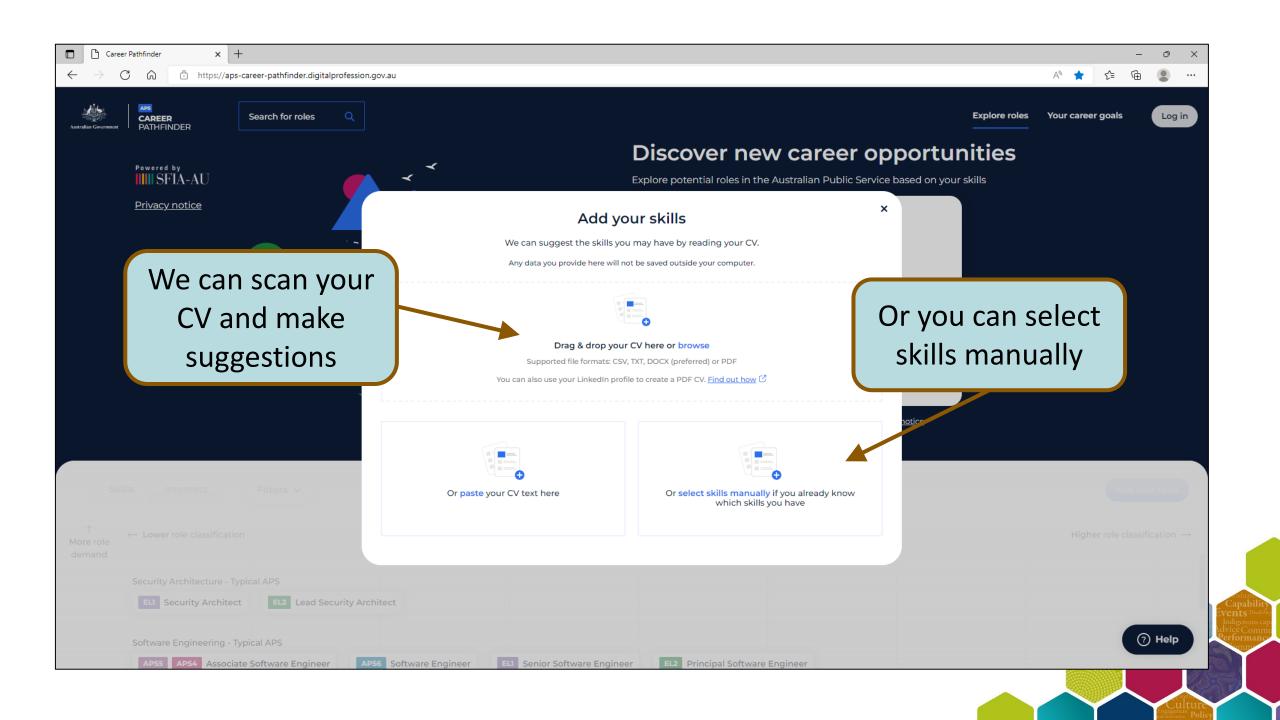


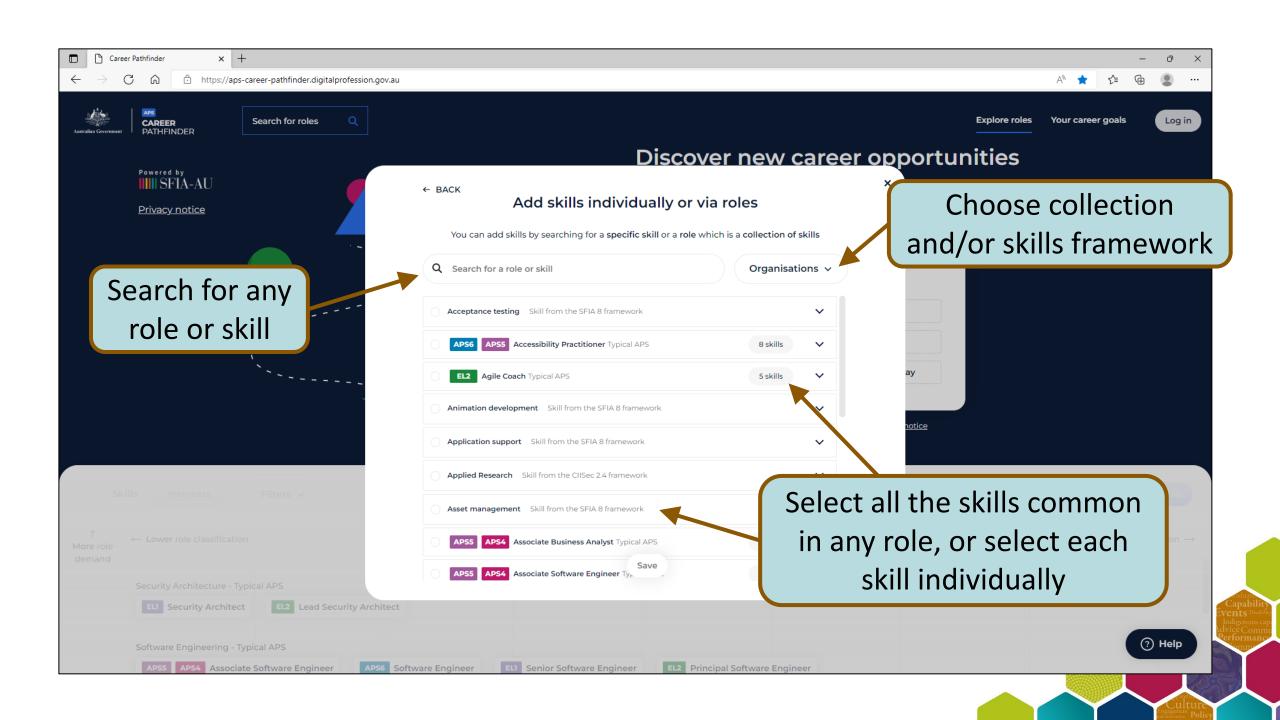


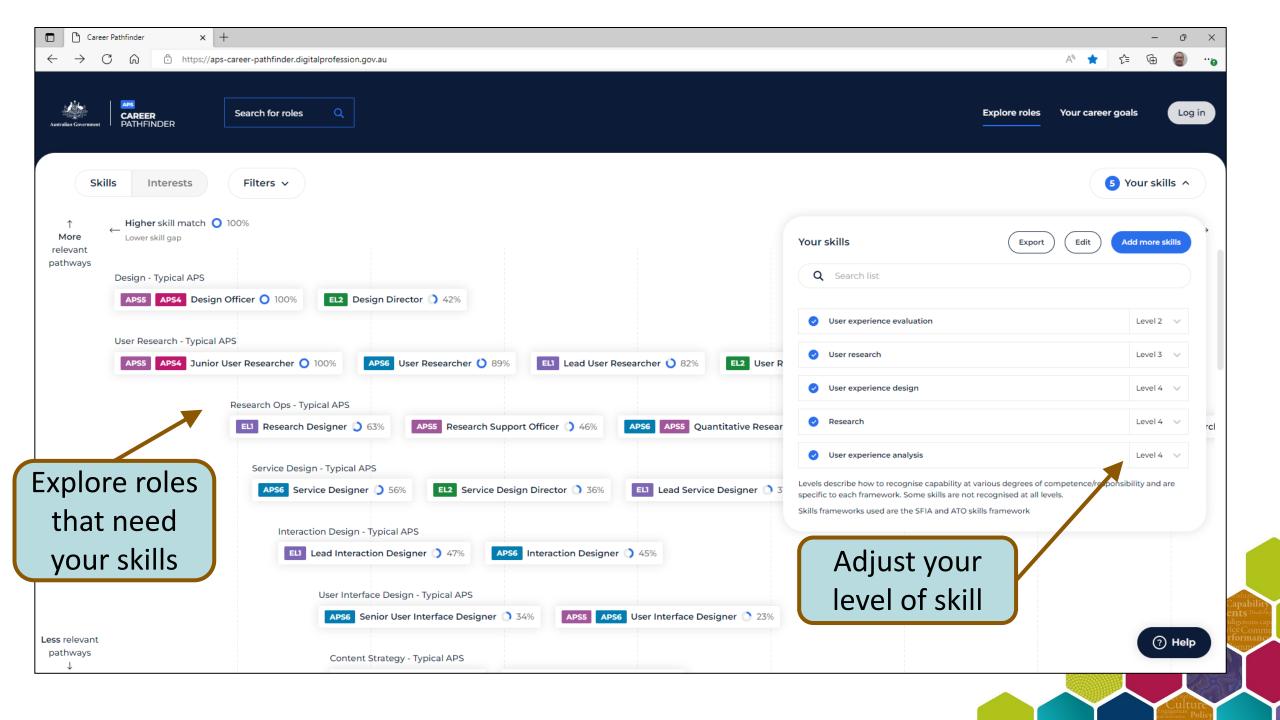


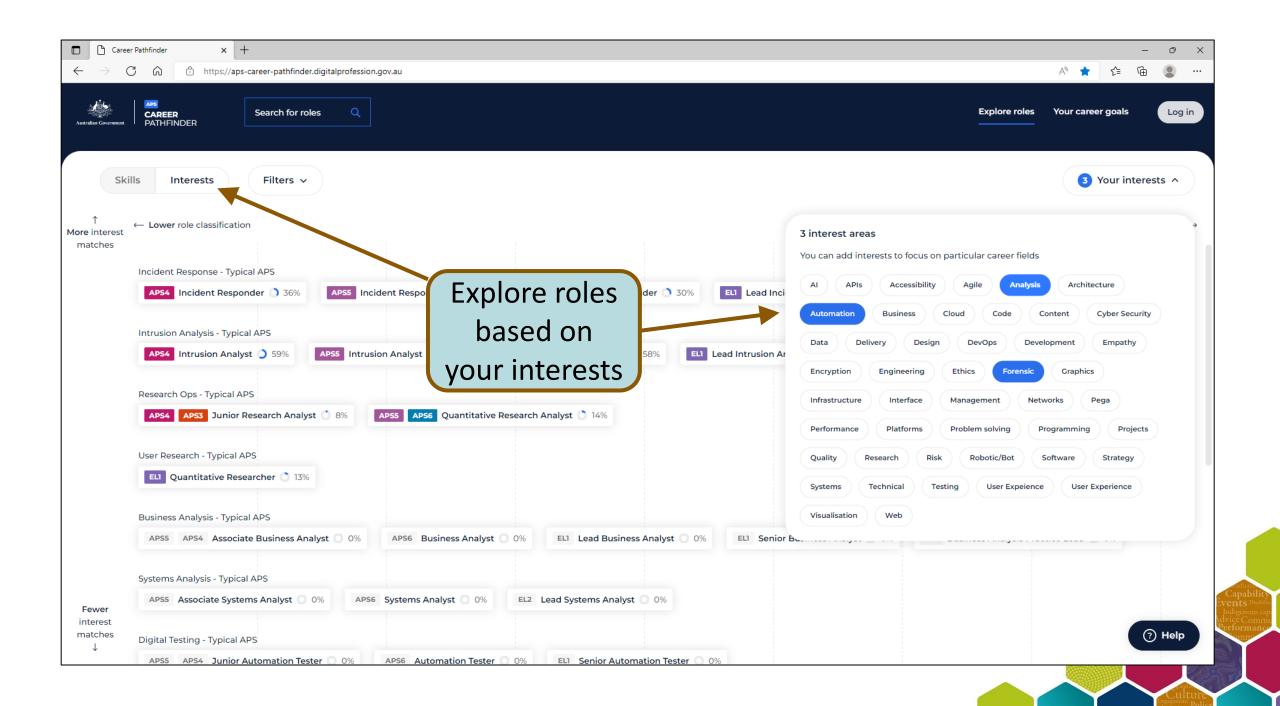


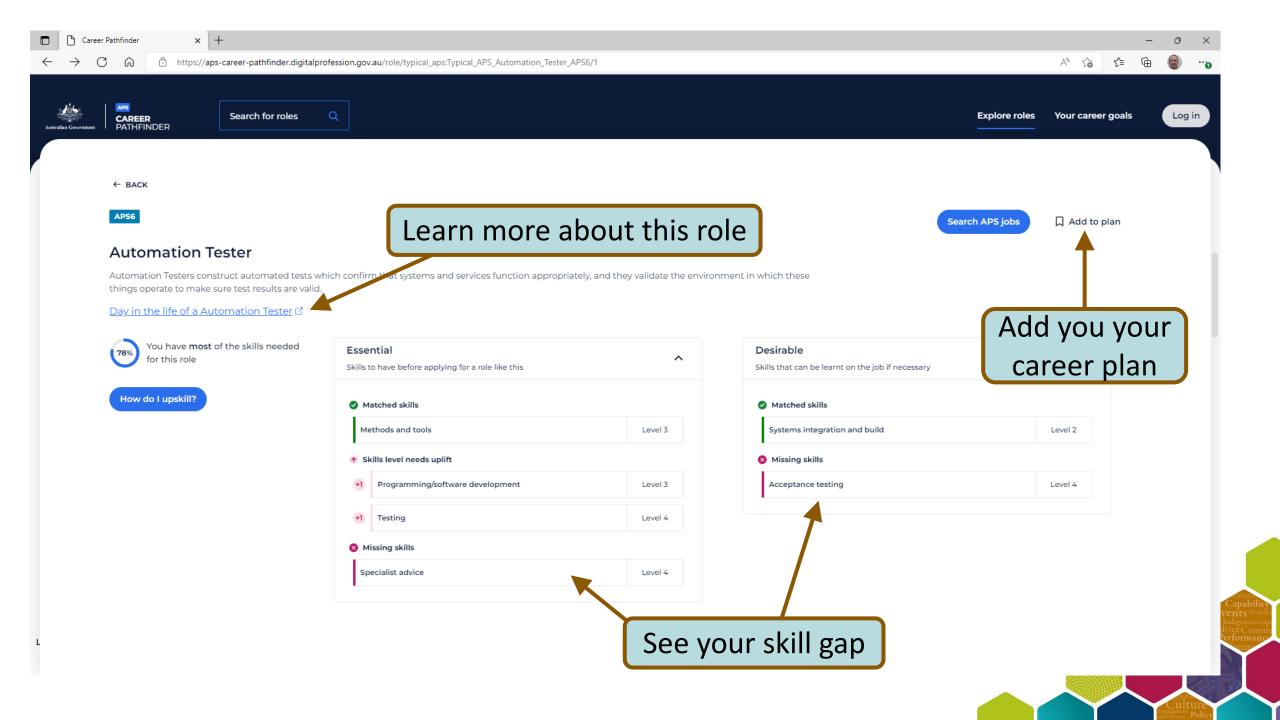


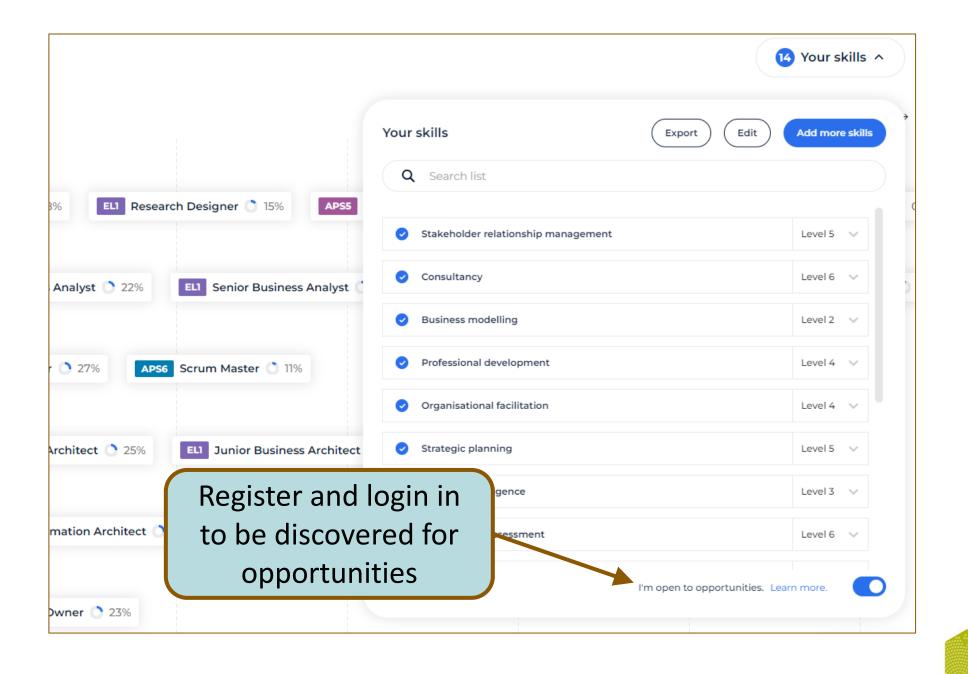


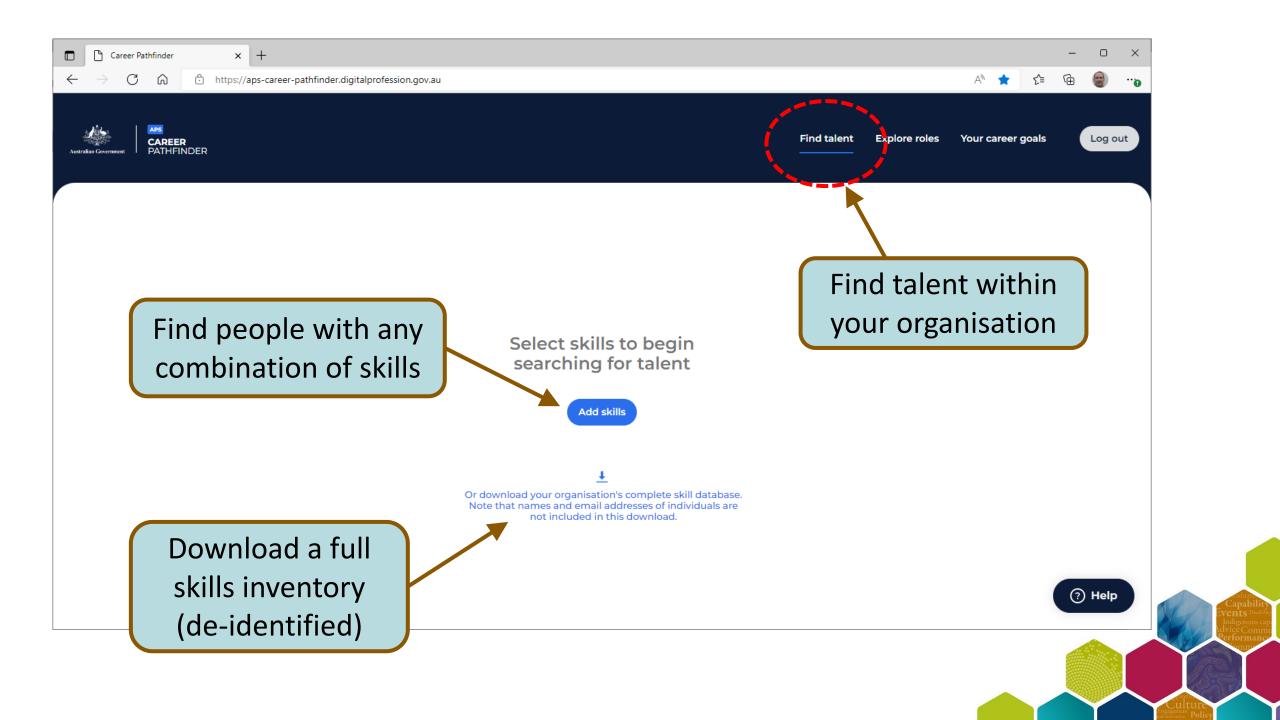


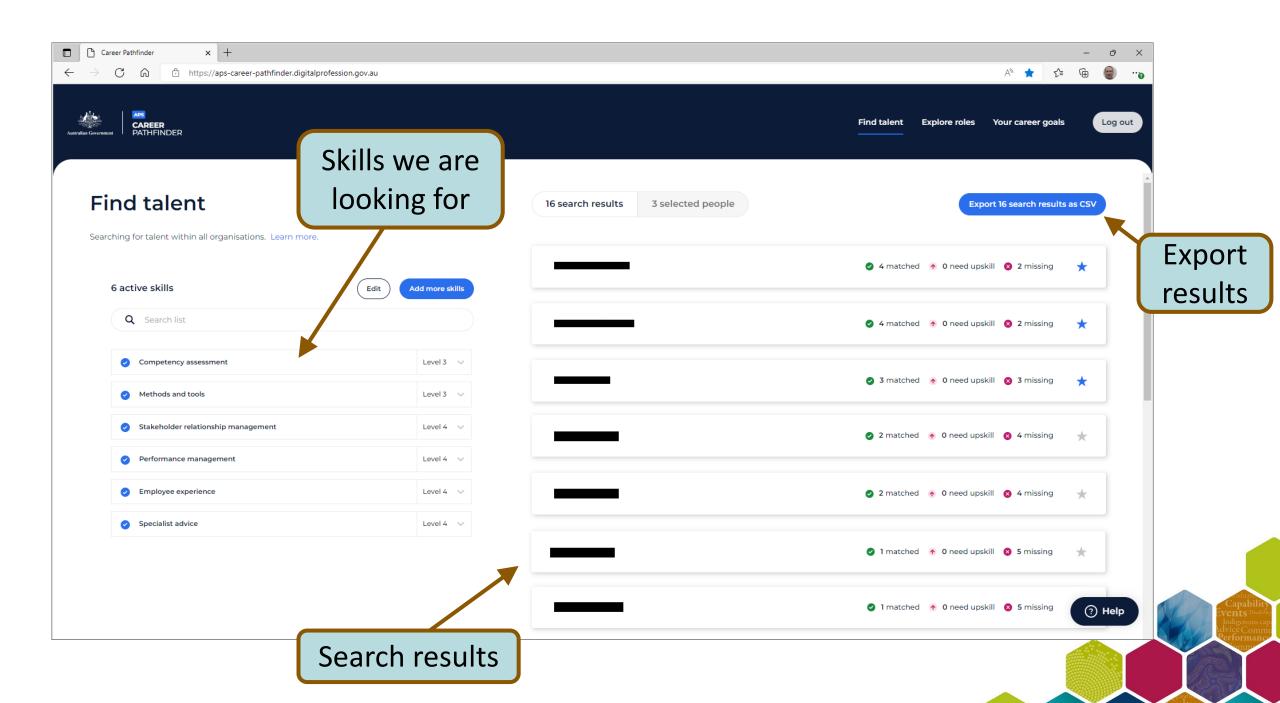












## Questions?

#### Please let us know what you think

https://digitalprofession.gov.au/aps-career-pathfinder-tool

Google search: APS Career Pathfinder

Contact us at: DigitalProfession@apsc.gov.au



### Thank you.

