Roles for eResearch

Birds of a Feather Session

Nicholas May

RMIT University, Melbourne, Australia

nicholas.may@rmit.edu.au

@eResEngineer

Overview

Introduction:

Approach:

Introduction: eResearch

- **eResearch** is the application of advanced computing and information & communication technologies across the research lifecycle.

- **eResearch Services** reduce the burden of technology adoption for researchers by exploring, developing, disseminating, and supporting appropriate solutions.

Introduction: !eResearch

- **eResearch is not:**

  - The execution, management and governance of research.

  - The traditional librarian services.

  - The enterprise ICT Roles, (as defined by the ACS*).

ICT Roles *

Chief Information Officer

General Manager

Academic

Business Development Manager

ICT Manager

Account Manager

Project Manager

Business Analyst

Computer Network Systems Engineer

ICT Architect

ICT Consultant

ICT Security Specialist

Software & Apps Programmer

Software Engineer

Systems Administrator

Systems Analyst

Analyst Programmer

Database Administrator

ICT Support Engineer

ICT Systems Test Engineer

Network Administrator

Web Developer

Developer Programmer

ICT Support Technician

ICT Customer Support Officer

Introduction: The eResearch Industry

- Position descriptions of roles are not consistent.

- Causes issues with recruitment and career development.

- Need to:

  a) Determine scope of eResearch roles.

  b) Identify common eResearch roles.

  c) Describe associated skills.

Introduction: Role Titles

- A variety of role titles have been collected from:
  - AeRO – https://aero.edu.au/
  - FAVeR – https://faver.edu.au/
  - RSE-AUNZ – https://rse-aunz.github.io/

Unique role titles collected:

- 180
- Including: eResearch, Research, IT, Library, Compound Titles.
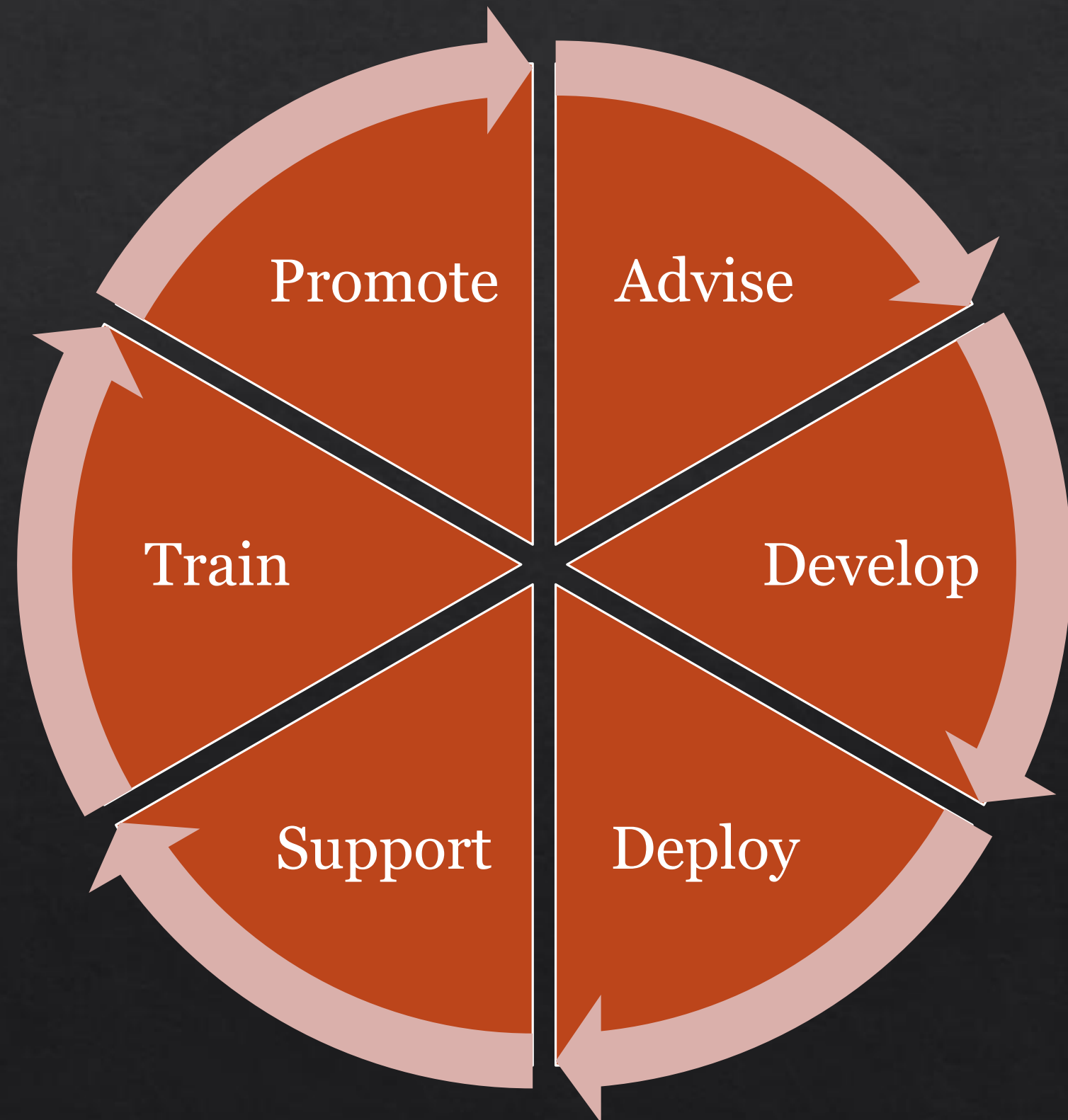
Goals

Collaborate to perform a Role Modelling session.

- Discovery: classify by category.

- Organize: arrange within category.

- Consolidate: label groups and relations.

Resulting set of common roles and their relations that can be used for the identification of skills.

Role Categories - Services

These are the services
that eResearch
personnel provide
to researchers,
thus enhancing the
research value chain.

Role Categories - Services

Advise: researchers about appropriate technology solutions.

Develop: bespoke research technology solutions.

Deploy: and enhance research technologies.

Support: reference deployments of research technologies.

Train: researchers in the use of research technologies.

Promote: and share research technology and activities.

Role Categories - Questions

Discovery

- Does this role provide a service to researchers?
- Is that service with the bounds of eResearch?
- What is the principle service for this role?

Organization

- Are these roles related by skills?
- Are these roles related by experience?
- How closely are these role related?

Consolidation

- Can we replace a group of roles with a single role title?
- Do we need to split a role into two, or more, role titles?
- Can we put a label on a relation?

Discovery

15 mins

For each card:

- Ask the questions to decide which service is the primary category for the role.

- Discarded cards can be placed in the 'Not eResearch' pile.

- Place the card on the appropriate service.

- Once placed, cards cannot be removed.

Organization

15 mins

For each Service:

- Aggregate cards into groups by common skills.

- Position groups of cards by their experience.

- Draw lines between groups of cards to indicate relations.

Consolidation

15 mins

For each group of cards:

- Replace cards that cover the same role with a new card that has a common title, and note the numbers of the cards it replaces.

- Replace cards that cover multiple roles with new titles, and include the number of the card they replace.

- Label relations with an appropriate title.

Any Questions?

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