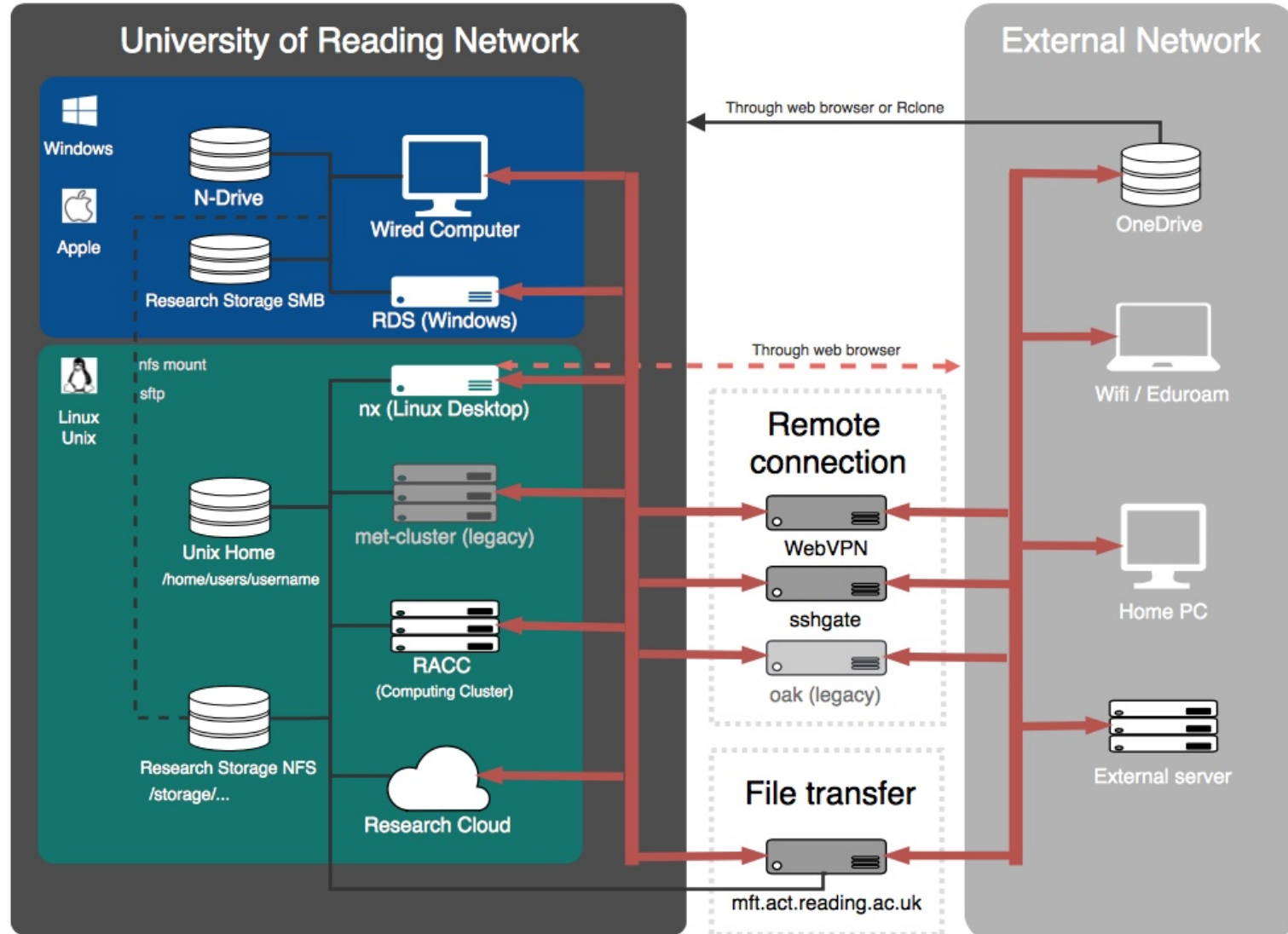


# INTRODUCTION TO ACT SERVICES



Find your way around our linux systems

# OVERVIEW OF ACT SYSTEMS



# MET-CLUSTER RETIREMENT

- Met-cluster is now a legacy service and is soon to be retired
- It is operating on out of warranty servers
- Currently operating at reduced capacity to accommodate existing projects and some shared resources
- No more software upgrades/installations

# THE RACC

The Reading Academic Computing Cluster (RACC)

- Currently 2 login nodes
- Currently ~ 500 cores for batch jobs
- More resilient job scheduler 'slurm'
- Dedicated cron job node 'racc-cron'
- One single pool of maintained software and libraries
- Core python versions are static and new packages can be installed in personal environments
- All software accessible via modules (no 'setup')
- Default shell is bash but korn is also available (for existing users)

# STORAGE

- 3 types of 'new' storage:
  - Basic (no snapshot, one copy on system, no backup)
  - Silver (snapshots, 2 copies on same system, optional cloud backup)
  - Gold (snapshots, 2 copies on separate systems, cloud backup)
- Can be requested from IT via the Self Service Portal
  - 'Place a Request' > 'Research Data Storage'
- Some legacy storage in other locations and being migrated, personal communications with share owners

# IT INFORMATION

- Meteorology Intranet

## COMPUTING IN METEOROLOGY



**UOR HOME**

↳ Meteorology Department Home

Undergraduate courses

PhD programmes

Master's courses

Research in Meteorology

Our Staff

Stories

News and events

Observatory

Intranet

**Computing in Meteorology**

Online courses

**SEARCH**

Search for:

### CONTACT IT

- ▶ Phone: x6262 (or 0118 378 6262 from outside)
- ▶ Raise a ticket through the Self Service Portal: <https://uor.topdesk.net/> or via email: [it@reading.ac.uk](mailto:it@reading.ac.uk)

### ACADEMIC COMPUTING

Read more about services such as the computing cluster, the research cloud, research data storage or projects websites on the Academic Computing Team website:

[ACT website](#) >

Two Academic Computing Team (ACT) members ([Maria Broadbridge](#) and [Eric Mathieu](#)) are located in the Met building (Room 3L45).

[IT website](#) >

### GENERAL IT SERVICES

Quick-links:

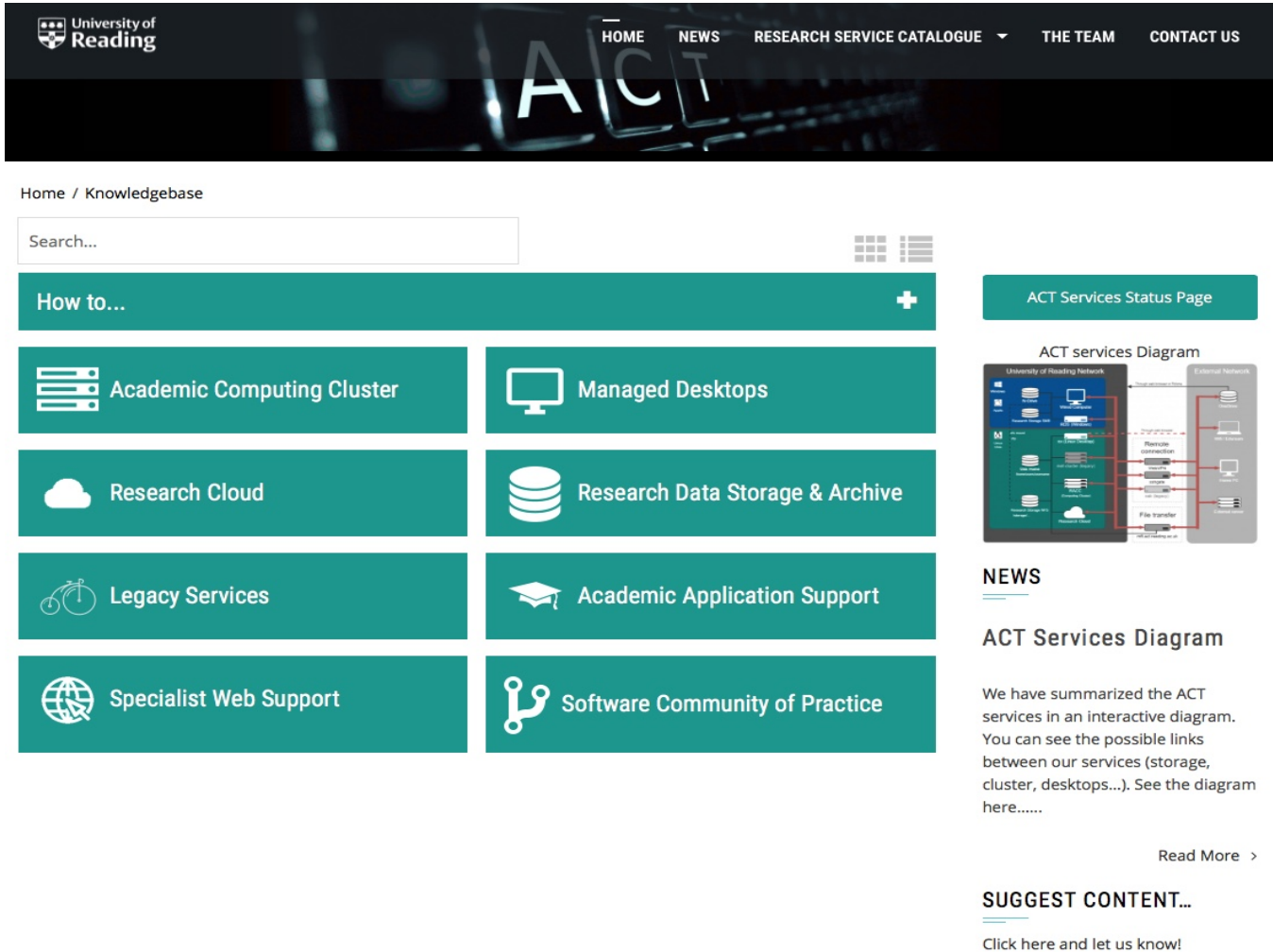
- ▶ [Request a user account](#)
- ▶ [Working from home](#)
- ▶ [Connect to Wifi Eduroam](#) (and request access)
- ▶ [Printing](#)
- ▶ [buying a computer](#) (windows, mac, linux)
- ▶ Using your personal computer & laptop: please contact the [Service Desk](#) (x6262)

### MET SPECIFIC IT INFORMATION

- ▶ [Met webpages](#) (staff list, personal details, personal websites)
- ▶ [Local computer labs](#): there are 4 computer labs in the meteorology building: GL68, the library, 1L34 and 3L67
- ▶ [Web conferences \(GoToMeeting\)](#): The Met department has an account with the [GoToMeeting](#). Contact Met admin for credentials.
- ▶ [3 laptops for loan](#): Windows laptops can be borrowed by Met department staff and PhD students. Available in office 3L45.
- ▶ [Globe display](#) in the library

# IT INFORMATION

- ACT website : <https://research.reading.ac.uk/act/>



The screenshot shows the ACT website homepage. At the top is a dark navigation bar with the University of Reading logo and links for HOME, NEWS, RESEARCH SERVICE CATALOGUE, THE TEAM, and CONTACT US. Below the navigation bar is a large banner image with the word 'ACT' in a stylized font. The main content area is divided into several sections:

- Home / Knowledgebase**: A breadcrumb trail.
- Search...**: A search input field.
- How to...**: A section with a grid of service tiles:
  - Academic Computing Cluster
  - Managed Desktops
  - Research Cloud
  - Research Data Storage & Archive
  - Legacy Services
  - Academic Application Support
  - Specialist Web Support
  - Software Community of Practice
- ACT Services Status Page**: A link to the status page.
- ACT services Diagram**: A diagram showing the University of Reading Network and External Network connected by a Firewall. It includes components like File Transfer, Managed Desktops, and Research Cloud.
- NEWS**: A section with the title **ACT Services Diagram** and a paragraph: "We have summarized the ACT services in an interactive diagram. You can see the possible links between our services (storage, cluster, desktops...). See the diagram here.....". Below the paragraph is a **Read More >** link.
- SUGGEST CONTENT...**: A section with the text "Click here and let us know!" and a link to **IS IMPACT**.

# IT INFORMATION

- ACT website

Home / Knowledgebase



## How to...

Use the Reading Academic Computing Cluster (RACC)

Use the Linux Desktop Service (NX with NoMachine)

Transfer files in and out of the university

Connect from outside of campus

Manage my web presence

Contact IT



Academic Computing Cluster



Managed Desktops



Research Cloud



Research Data Storage & Archive



Legacy Services



Academic Application Support



Specialist Web Support



Software Community of Practice



# TRAINING

- COMING SOON:
  - IT training sessions for all staff and students
    - > To be run bi-monthly
    - > Will cover full hands-on introduction to our systems
    - > Initial session to run in May/June
  - Training in coding skills
    - > To be run once/twice per term
    - > Will cover coding basics, languages and best practice
    - > Aiming for autumn term start