

ARCHER CHAMPIONS

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The SAFE

- The SAFE is the web-based portal that provides an interface between us and our users. It also acts as a tool for project managers to manage their project resources.
- Performs the following functions:
 - Registration and user database.
 - Accounting and report generation
 - Self-service operations
 - Devolved project management
 - Helpdesk



History

- Been under continual development since 2002
- Used for various HPC services
 - HPCx
 - HECToR
 - ARCHER
 - DIRAC
 - EPCC local services
 - HARTREE
- Recently finished a major rework of the navigation model
 - Will be rolled out in the next few weeks.



New V4 interface

↑ Your details Service information Projects managed Login accounts IFMS Help and Support

 **SAFE for ARCHER** 
Service Administration from EPCC

Welcome to the ARCHER SAFE

This is the ARCHER SAFE. It is a web-site used to administer the ARCHER HPC service.

All of the functions of the SAFE are available from the menus at the top of the page.

Use the **Your details** menu to view and update the information we hold about you or to change the settings of your SAFE account.

Use the **Service Information** menu to view information about the service or to generate reports from our database.

Use the **Login Accounts** menu to apply for an account on ARCHER. All accounts need to be part of a funded project so this request will need to be approved by a manager of the project you select before the account can be created. If you already have an account you can also use this menu to view the status and make changes to your accounts.

The **Help and Support** menu gives access to the help-desk and contains links to SAFE guides and documentation.

If you are a project manager you will also see a menu for managing your projects. If this menu is coloured orange then this indicates that there are some pending requests for you to process in one of your projects.

[ARCHER SAFE guide](#)

SAFE is an [EPCC](#) product



User details and registration

- We don't know our users in advance.
- Users self-register with the SAFE (providing appropriate details)
 - SAFE verifies the email address as part of registration
 - Then apply to join a project, requesting an ARCHER account.
 - For first project they need a sign-up password from the project administrators.
 - Project manager approves/declines the request.
 - Account is created and user retrieves initial password via safe.
- Users can bind their Institutional login identity (UKAMF) to their SAFE account.



Service reporting and accounting

- All usage and allocation data is held in the SAFE.
 - Batch job information
 - Historical disk-usage
- Powerful reporting engine can generate reports based on all information the SAFE holds
 - Project and user meta-data is remarkably useful.



Project management

- We allocate resources to projects. Membership and resource management within a project is devolved to project managers via the SAFE.
 - Approve/reject membership requests
 - Create new groups/budgets
 - View and Set group and user disk quotas.
 - Allocate CPU-time allocations to budgets.
 - Time is allocated to projects in time-windows
 - Managers can move this allocation between groups
 - Time un-used at the end of the window is lost.



Login Accounts

- Users request accounts via SAFE
 - ARCHER policy to not allow accounts in multiple projects though SAFE supports this.
 - Standard operations also supported via SAFE.
 - Password resets
 - Package group requests
 - Etc.



Helpdesk

- ARCHER helpdesk is also part of the SAFE.
 - All users automatically have access to helpdesk web-interface
 - Single unified view of contact details, projects etc.
 - Automated self-service operations can be integrated with the helpdesk.
- Most traffic via Email.





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