

**Optimized File-Service Management
to Protect Sensitive Data and to
Assure Compliance with Regulations**

File-Service Management with econet cMatrix

Nowhere in IT are the problems associated with historically evolved structures more glaringly evident than in the handling of file services, i.e. the provision of files and/or their storage locations within the network.

IT under pressure to satisfy compliance regulations

Nontransparent authorization structures, forgotten access rights which had been granted to coworkers who left the business long ago, the absence of a “two pairs of eyes” principle for the granting of rights, and the lack of control mechanisms such as options for reporting and auditing: all of these shortcomings create considerable risks and violate regulatory standards for risk management and data security.

How can a business ensure that a coworker only receives access rights to those files which are permissible for that individual's position within the enterprise? How can legal and company-internal guidelines for the granting of access rights be implemented in practice? How can the necessary transparency be achieved so that it can be determined, at any desired time, who has access to which information in the business's network, and who granted permission to those individuals?

Transparency and control

For all organizations which are under pressure in this context, econet cMatrix provides a comprehensive solution for the secure and efficient management of file services and their corresponding authorizations. The implementation of cMatrix ensures that

- Only authorized users are granted the right to use a file service

- Infractions against the rules for granting rights are identified

- All data relevant to access rights and their granting is always available

econet's has acquired special expertise in this field through its many years of experience with the planning and implementation of file-service-management projects, including highly complex projects. This comprehensive know-how has been incorporated into the development of econet's products, and it also forms solid foundations for tried-and-tested best practices, practical file-service concepts and professional project management.

The advantages of optimized file-service management with econet cMatrix

■ Standardized structures

- Simple, uniform file systems and file-access-rights structures rather than mushrooming file systems with too many hierarchical levels and confusingly unclear types of access
- Uniform, efficient processes for the allocation of file services

■ Controlled administration of access rights in conformity with specified rules

- Via approval workflows, the responsible individuals in the specialized departments can make informed decisions about the allocation of rights
- Compliance with legal and company-internal guidelines for allocating the right to access stored files
- Secure revocation of previously granted access rights when employees leave the company, switch to a different department, move to a different geographic location, etc.

■ Disburdening the administration

Shifting the processes into the specialized departments disburdens administrators, who no longer need to concern themselves with:

- Routine manual chores
- Answering frequent questions about allocation of rights
- The tasks involved with documentation, etc.

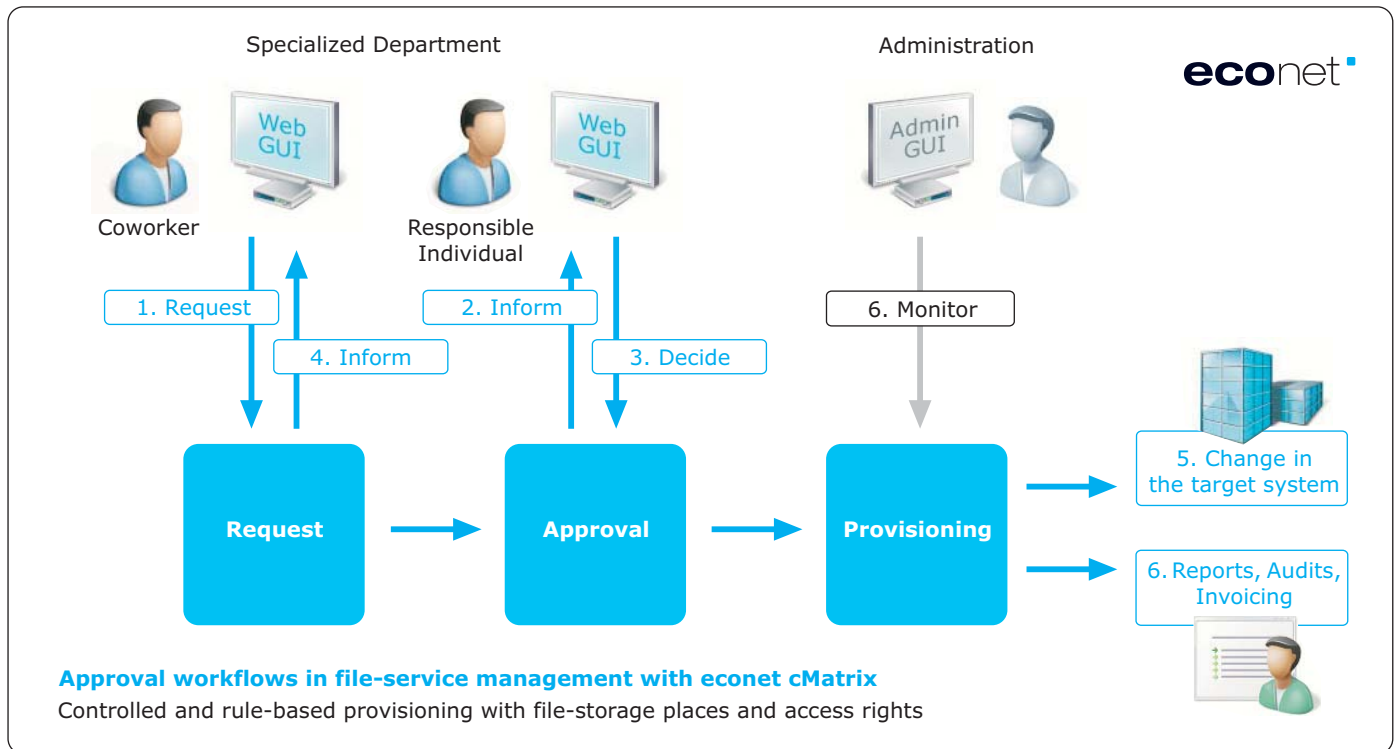
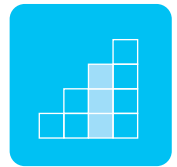
■ Transparency for auditing situations and control systems

- Central view of allocated authorizations
- Ability to assess all changes which the system has initiated
- Disclosure of unauthorized changes via difference reports with escalation mechanisms

■ Information is centrally allocated

Additional items of information are also available, e.g.

- For the invoicing of services by cost centers or other responsible individuals
- To support the service desk and helpdesk in the file-services field
- For proactive handling, e.g. to provide advance notification about upcoming migrations and reorganizations to individuals who will be affected by those changes



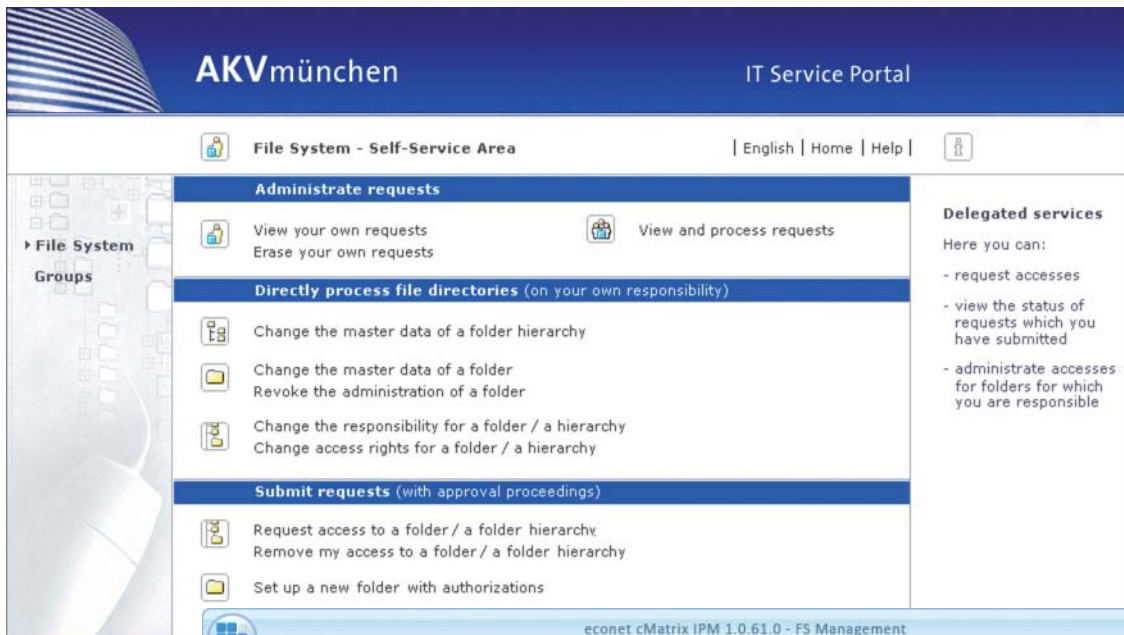
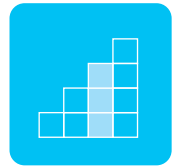
- 1** A user can apply for new file-storage places or the right to use existing storage places, either for himself or for his team. The applicant is led through a standardized dialogue and therefore needs no technical knowledge.
- 2** The person in the specialized department who is responsible for handling this request automatically receives an e-mail informing him that a new request for access rights awaits his decision.
- 3** The responsible individual can view the corresponding data via a web surface and decide whether to grant or deny the request.
- 4** The system notifies the applicant about the decision.
- 5** If the responsible individual has granted the request, the approval is automatically implemented on the corresponding systems, e.g. the newly authorized person's name is entered onto a file server. The system informs the applicant that his requested change has been made.
- 6** Administrators and auditors can view the entire process without gaps, i.e. they can see who granted which rights to whom and for which reasons. This gapless overview is essential for assuring that the IT complies with regulations.

Step by step toward IT compliance

Clean and transparent structures in the file systems and authorizations are preconditions for compliance-conform file-service management. To achieve this, econet cMatrix Reporting & Transformation begins by automatically recording the historically evolved structures. Afterwards, built-in transformation functions convert and consolidate the old and unruly "rank growth" into standardized structures and standardized authorizations.

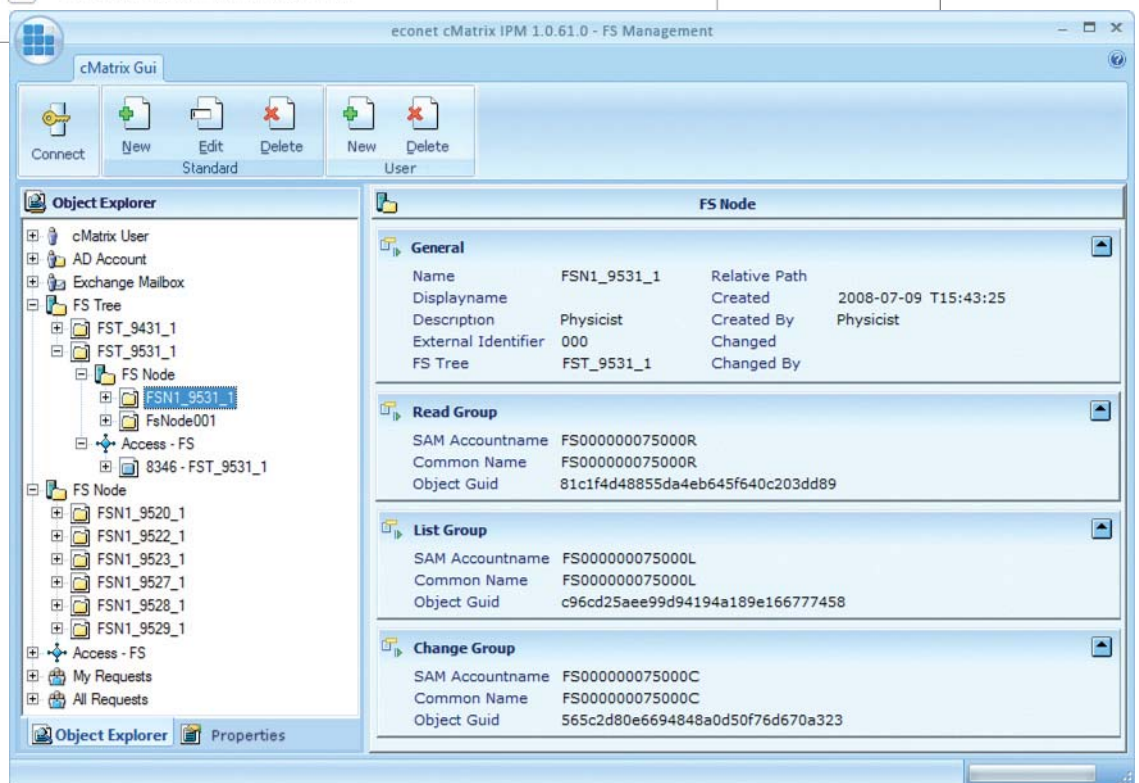
The cleansed database stays clean in the future too because econet cMatrix administrates the file systems and their accompanying authorizations after the migration. The final result is a highly automated system which forms the basis for regulatory conformity measures in the field of enterprise-wide access rights.

You can find more information about the methodical approach to efficient IT operation with attention to security-related aspects at www.econet.de



Web surface for the user's self-service to assure controlled administration and to apply for data-storage places and access rights.

The surface seen by administrators and operators who administrate file systems and authorizations.



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