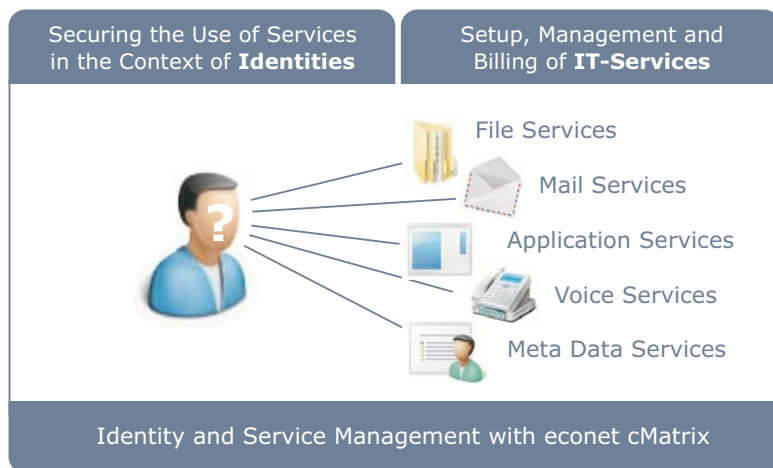


## **Identities, Permissions and Services under Control**

# econet cMatrix

## Secure and Efficient Identity and Service Management

The cMatrix Identity & Service Manager is the comprehensive solution for managing IT services and for the protection of business-critical data by means of the secure administration of identities, authorizations and resources. IT departments in large companies, government agencies and internationally-oriented IT service providers use econet cMatrix to increase efficiency and security, as well as maintaining regulatory requirements.



The cMatrix Identity & Service Manager can be used to manage and control both the processes for the secure administration of identities and authorizations, as well as the provision of services, down to the very last detail.

### Managing IT services

- Efficient implementation and management of IT services
- Integrated Best Practices for user, file, mail and application services
- Automation of routine tasks when providing employees with IT services

### Managing identities and permissions

- Active administration of identities and permissions
- Rule-based assignment of permissions
- Unauthorized modifications of permissions are recognized
- Central view of assigned authorizations and logical dependencies
- No unwanted accumulation of authorizations
- No oversight of accesses that cannot be assigned
- Complete revoking of permissions at the touch of a button (de-provisioning)

### Transparency and compliance

- Comprehensive reporting and auditing functions for risk management and compliance maintenance
- Auditable documentation of all process stages of the assignment of authorizations

### Consistent rule management

- Rapid creation of individual services using standard components
- Rapid adaptation to meet constantly changing requirements

### Role-based assignment of authorizations

- Rapid and efficient authorizations due to the use of system roles and organizational roles

### Delegation of administration tasks

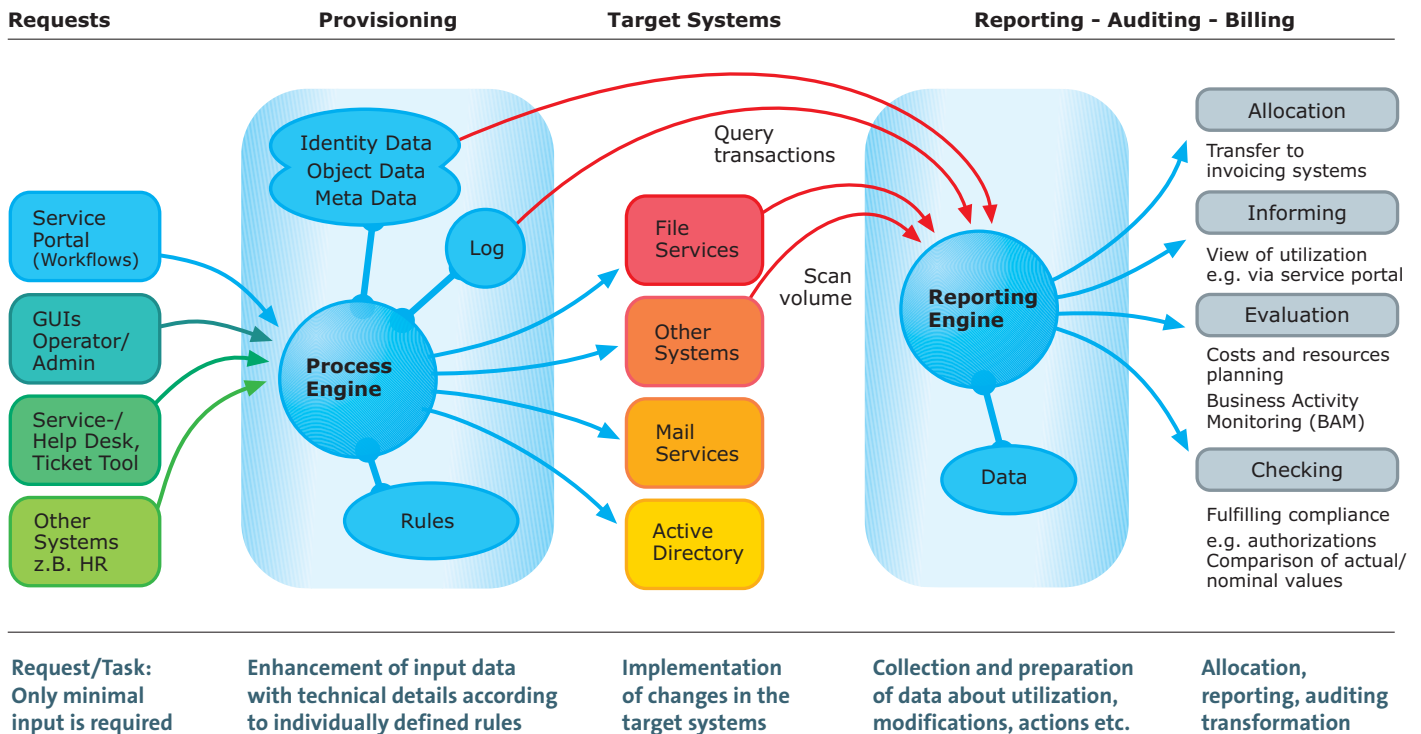
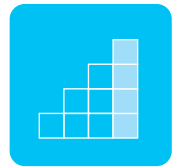
- Can also be given to personnel with no technical training
- Technical roles with granular administration permissions

### Controlled Self Services

- Approval workflows using the multiple check principle
- Maintenance of guidelines for assignment of authorizations
- Takes the pressure off administration

### Multiple client capability

- In the form of a Shared Service System, the system can also be used in large multi-client environments
- Application of different rules for the same processes



■ **Service-oriented architecture**

The greatest degree of flexibility and agility due to the separation of data and rule objects, metadata and target system objects

■ **Rule-based process engine**

The rule-based process controller enables simple adaptation to changing processes.

■ **Web-service-based**

All internal and external communication is handled by standardized SOAP web services which enable connection to all modern systems.

■ **XML as communication language**

Whether for the purpose of transferring tasks or for querying the database, all requests are processed using XML.

■ **Connection to own workflow systems**

econet cMatrix comes with configurable user interfaces, but can also be linked to own workflow systems and portals.

■ **Using metadata**

The intensive utilization of metadata enables process variables to be adapted during live operation in order to support efficient 24x7 operation.

■ **Bundling of processes to complex procedures**

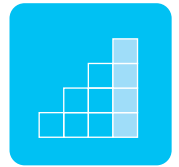
The bundling of individual processes to form process chains creates new, complex but nevertheless easy to handle procedures.

Each sub-process is available as an individual item or within the framework of the process chain. Each sub-process stage can be traced and is documented.

■ **Batch execution, for example, for the purposes of migration and mass imports**

During migration processes, for example, to new storage systems, when introducing or removing components, or relocating, the system can handle mass inputs via a batch interface.

This allows econet cMatrix to not only be used as the source system for migration data, but also to be used as an active executing layer of a migration.



## Best Practices in econet cMatrix

### User Master Data

- New, modify, delete
- Activation/de-activation of assigned user master records

### Active Directory Account

- New, modify, pre-delete, un-delete, delete
- Group memberships, activate, de-activate
- Automatic maintenance of membership in standard groups and/or policy groups

### Password Management

- Reset password
- Setting local administrator passwords

### Internet Access

- Administration of internet access via firewalls/proxy servers

### Home Share

- New, pre-delete, un-delete, delete, quotas

### Profile Share

- New, pre-delete, un-delete, delete, quotas

### Microsoft Exchange

- New, modify, pre-delete, un-delete, delete
- Access rights to department/organisation mailboxes
- Ownership of department/organisation mailboxes
- Delegation (send on behalf, send as)

### Microsoft OCS

- Activation/deactivation for users

### Active Directory/Exchange Contact

- New, modify, delete
- Ownership of contacts

### Active Directory Computer Account

- New, modify, delete
- Ownership of computer

### Computer

- Maintenance of computer objects in 3rd party tools (enteo, Microsoft SCCM)

### Software Management

- New, delete
- Assignment to computers and/or users

### Group Drive Mappings and Drive Assignments at Logon

- FSTree (share/managed folders, entry-point/parent)
  - New, modify, delete, return into unmanaged state
  - Permission to apply permissions
- FSNode (subordinate folder)
  - New, modify, delete, return into unmanaged state
  - Permission to apply permissions
- FSTree/FSNode
  - Activation of permissions for users and groups (read & change)
  - Managing drive mappings for users and groups
  - Administering file service metadata (cost centres, departments ...)
  - Moving of FSNodes within a file service.

### Import and Migration

- Migration from unstructured to structured, manageable file services (FSTree/FSNode)

### Active Directory OUs

- Automated creation of OUs, when targeted OU is full or for other reasons not to be used to contain the current object, based on rule-sets and best practice workflows

### Security Groups

- New, modify, delete
- Membership in security groups
- Administration of permissions, membership

### Distribution Lists

- New, modify, delete
- Membership in distribution lists
- Administration of permissions, membership

### Synchronising with Active Directory

- Synchronisation of AD objects (user accounts, groups and group memberships etc.) with the cMatrix directory

### Voice Services

- Configuration management (telephone system/switch)
  - New, modify, delete
- User administration
  - New, modify (incl. relocation), delete

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