myMagicShare

… the customer-owned sharing platform

The ‘Sharing’-Problem

- Microsoft designs tenants by default ‘open’
- Customers tend to lock down sharing capabilities
  - Protect information (Intellectual Property, …)
  - Uncontrollable growth of external shares
  - No tool to ‘control’ external and especially anonymous sharing
- End user love sharing
  - “I need to send this to my client”
  - “I need this information from my client”
  - “I got an error, my email is too large”

The Challenge

- End users have creative ideas, e.g.:

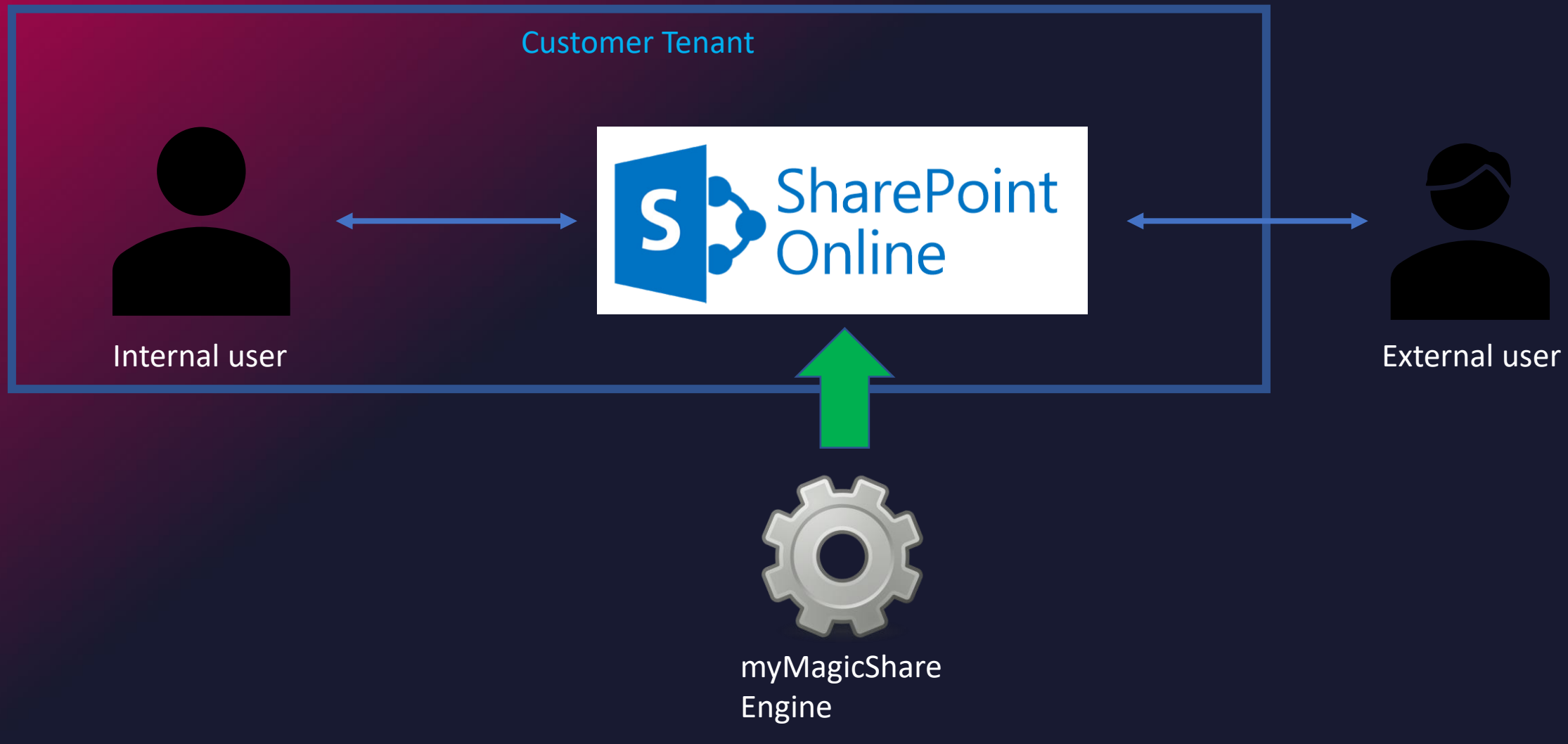
→ Uncontrollable growth of tools
→ **Shadow IT**

Back to the ‘Sharing’-Problem

Data security officer

- Data-Owner?
- Data-leakage behind the curtain?
- Security of the product? (MFA, access control, …)
- Lifecycles?
- Data deletion (e.g. GDPR)?

The Solution

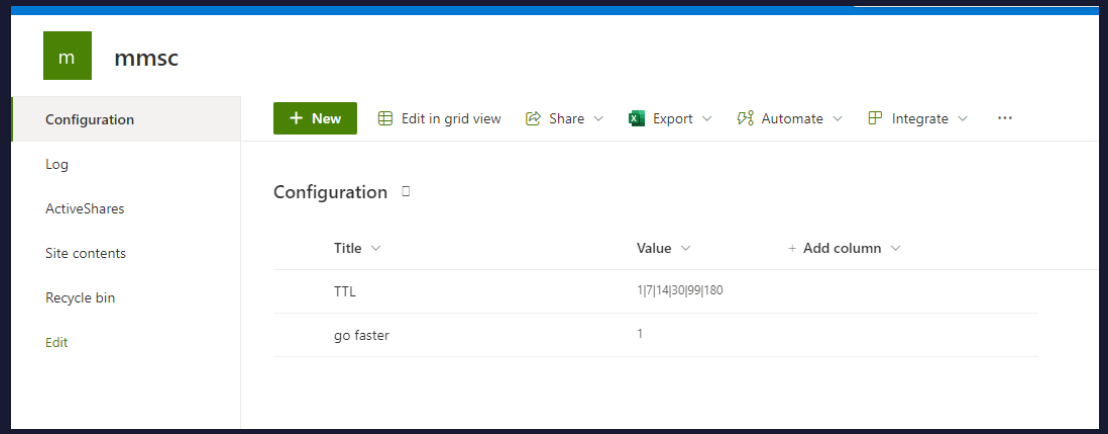


The Solution

- Our engine provides:
  - Fully automated Creation of external shares on demand
  - Fully automated deletion of external shares with ‚end-of-life‘
  - Adding the requester as ‚owner‘ -> no impact on the IT department
  - All engine activity is being logged
  - Built-in security & compliance:
    - Modern Azure AD Authentication via App Registration (no Basic Authentication)
    - No need to create service accounts („holes“ in Conditional Access)
    - No need to purchase additional user-licenses (e.g. PowerAutomate)
    - 100% Microsoft Azure based (in EU / Germany – other regions on demand possible)

The admin site

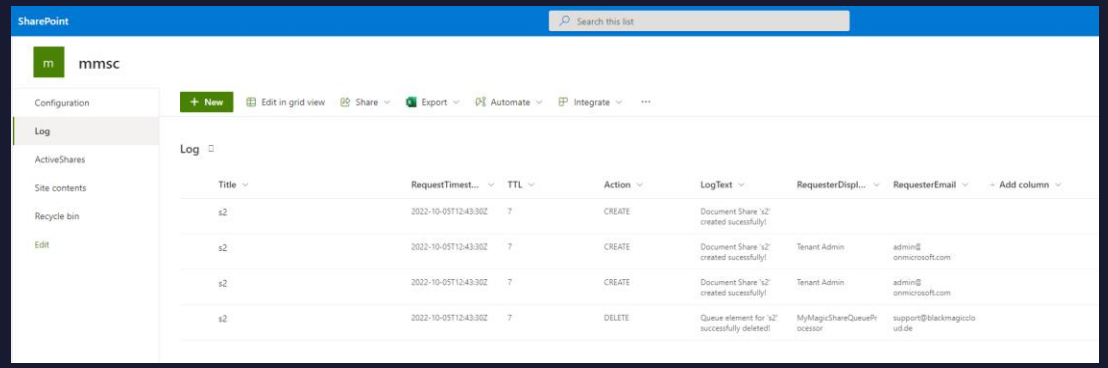
- The possible lifetimes for user shares are configured here
- More parameters to come, e.g.
  - Verbose logging
  - Allow duration extension
  - Helpdesk tool connection (automated ticket creation) (*)
  - …



(*) Requirement: REST API

The admin site

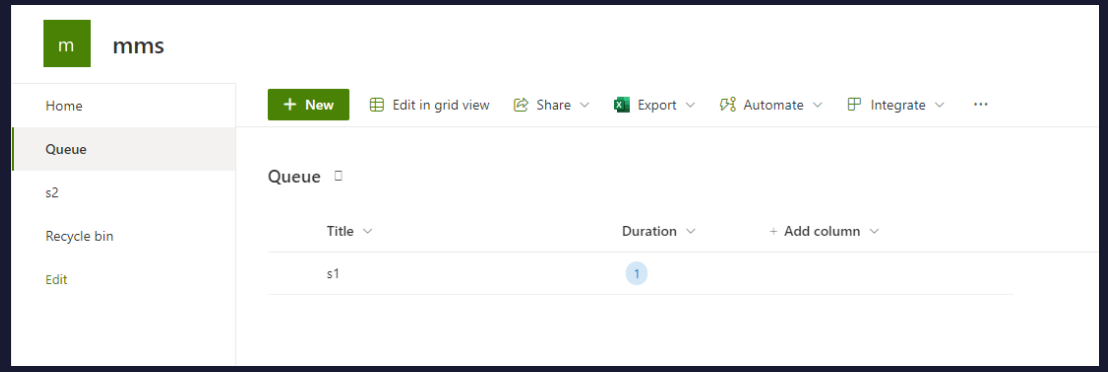
- All workflow actions are logged
- Events are shown
- Timestamps included
- Requester included



(*) Requirement: REST API

The shares site

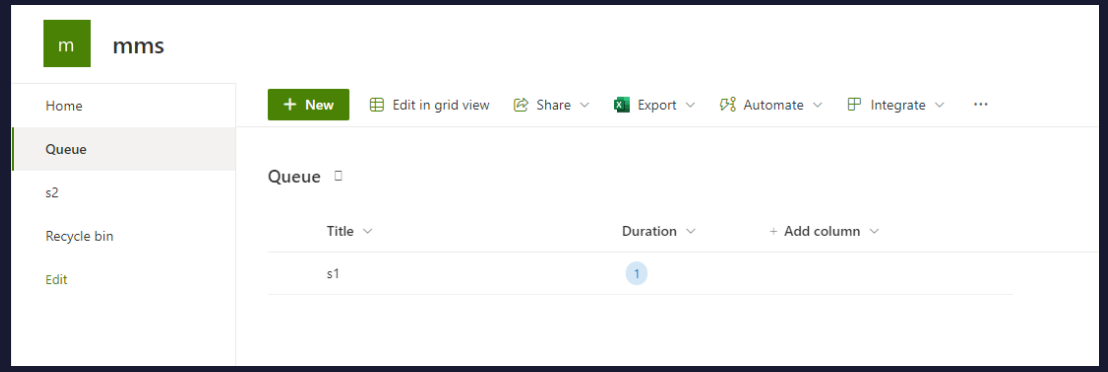
- The queue contains all requested shares
- A queue item is created by the user
- Start page customizable (recommended)
- Navigation shows only “my” shares



(*) Requirement: REST API

The shares site

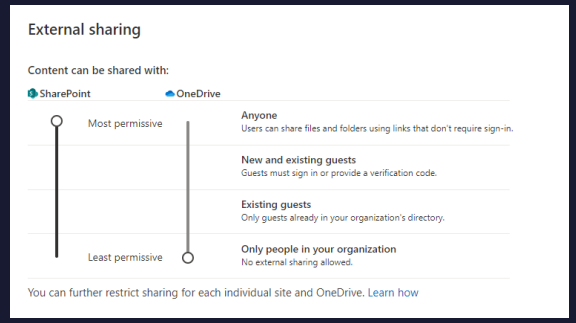
- Each Share is a document library
- The requester has ‘contribute’ permissions
  - Invite further people
  - Create shareable links



(*) Requirement: REST API

The Solution idea explained

- By building on SharePoint Online, low user training is needed
- By building on SharePoint Online, the customer has additional benefits
  - Full support for Retention Policies
  - Full support for Sensitivity Labelling of files (*)
  - Full support for external access control (e.g. Conditional Access)
  - Shares never leave the company
  - Auto-cleanup: no uncontrolled growth and storage consumption



(*) site labelling support will follow

The Solution idea explained (technically)

- 100% based on Microsoft Azure
- Authentication at customer via AAD App Registration
- Customer data strictly separated
  - RBAC
  - Azure policies
  - Azure subscriptions
- 100% built on Microsoft Graph (no legacy APIs like CSOM)