

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.:

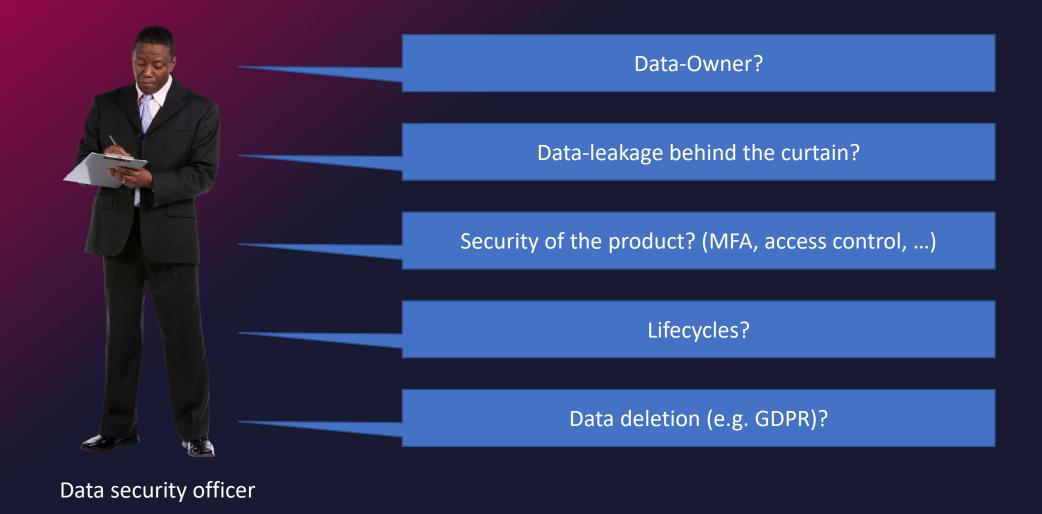




→ Uncontrollable growth of tools
 → Shadow IT

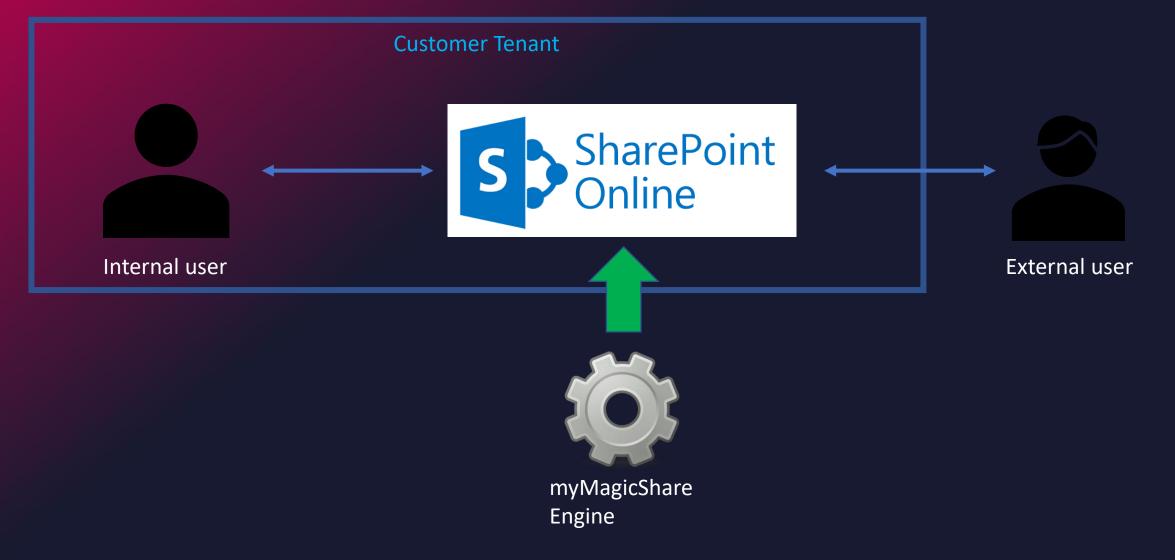


Back to the 'Sharing'-Problem





The Solution



myMagicShare presentation



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

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...

- Allow duration extension
- Helpdesk tool connection (automated ticket creation) (*)

m mmsc		
Configuration	+ New 🗄 Edit in grid view	😢 Share 🗸 📓 Export 🗸 🧬 Automate 🗸 🕀 Integrate 🗸 🚥
Log		
ActiveShares	Configuration	
Site contents	Title 🗸	Value $$
Recycle bin	TTL	1 7 14 30 99 180
Edit	go faster	1



The admin site

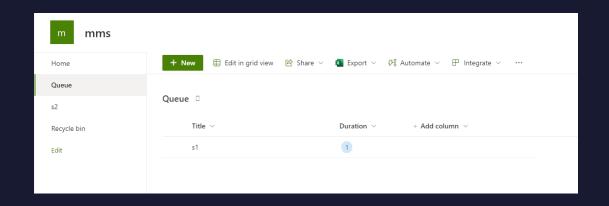
- All workflow actions are logged
- Events are shown
- Timestamps included
- Requester included

SharePoint			Search this list				
m mmsc							
Configuration	+ New 🗄 Edit in grid view 😢	Share 🗸 🧧 Export 🗸 🖓 Automate 🗸 🕀	Integrate \vee \cdots				
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ActiveShares	Log 🛛						
Site contents	Title \sim	RequestTimest \sim TTL \sim	Action $ \smallsetminus $	LogText \sim	RequesterDispl \sim	RequesterEmail \sim	+ Add column $ \sim $
Recycle bin	\$2	2022-10-05T12-43:30Z 7	CREATE	Document Share 's2' created sucessfully!			
Edit	s2	2022-10-05T12-43:30Z 7	CREATE	Document Share 's2' created sucessfully!	Tenant Admin	admin@ onmicrosoft.com	
	s2	2022-10-05712-43:302 7	CREATE	Document Share 's2' created sucessfully!	Tenant Admin	admin@ onmicrosoft.com	
	s2	2022-10-05T12-43:30Z 7	DELETE	Queue element for 's2' successfully deleted!	MyMagicShareQueuePr ocessor	support@blackmagicclo ud.de	



The shares site

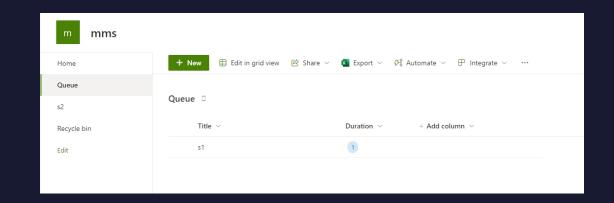
- The queue contains all requested shares
- A queue item is created by the user
- Start page customizable (recommended)
- Navigation shows only "my" shares





The shares site

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





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

Contont	can be shared with		
SharePerformed Sha	oint	 OneDrive 	
0	March a second sector		Anyone
Ĭ	Most permissive		Users can share files and folders using links that don't require sign-in.
			New and existing guests
			Guests must sign in or provide a verification code.
			Existing guests
			Only guests already in your organization's directory.
			Only people in your organization
	Least permissive	0	No external sharing allowed.

(*) 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)