

# Exchange Online migration with contentGATE

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### Introduction

This guide provides a detailed explanation of how contentGATE migrates data from or to Exchange Online (Microsoft 365) and the necessary configuration settings before initiating the migration process.

Exchange Online can be used both as **source** and **target** in contentGATE migration. As a **source**, it allows users to extract emails and other mailbox items for transfer to a target. If selected as **target**, data can be migrated to Exchange Online mailboxes from any email source. To ensure a seamless migration process, contentGATE requires authentication to connect with Microsoft 365 securely. This is accomplished by registering an application in the **Microsoft Entra ID** (previously called Azure portal). The application in Microsoft Entra ID allows contentGATE to access Exchange Online resources without traditional username and password authentication. This approach improves security and reduces the risk of compromised passwords.

The following section will guide you through the **app registration** process in Entra ID and the configuration required for contentGATE to connect with Exchange Online as a source or target.

### Microsoft Entra ID app registration for Microsoft 365 migration

This section explains how to **register** an **application** in the Azure portal, which enables contentGATE to authenticate and establish a connection with the Exchange Online using **modern authentication**.

*Important:* The registration of the Azure AD application can be **automated** using the following script. The script needs to be downloaded and saved on a computer and started with PowerShell.

Set-ExecutionPolicy - ExecutionPolicy Unrestricted - Scope CurrentUser

cd ([Environment]::GetFolderPath("MyDocuments"))

Invoke-WebRequest -Url "<u>https://static.contentaccess.cloud/appregistration/Register-conten-</u> <u>tACCESSAADapp-v3.ps1</u>" -OutFile "Register-contentACCESSAADapp.ps1"

.Register-contentACCESSAADapp.ps1

Please ensure that Windows PowerShell is run as **Administrator** for this process to execute correctly.





#### Manual application registration

Navigate to the <u>Entra ID</u>. Go to **App registration** -> **+New registration**. Provide the application details, the only required field to modify is the **application name**; other fields can remain as default. Click the **Register** button.



Register an application - Micros × +	-	- 1		$\times$
← → C 😁 portal.azure.com/#view/Microsoft_AAD_RegisteredApps/CreateApplicationBlade/quickStartTyp ڬ 🛧	≓ĵ	₹	•	:
Microsoft Azure     P Search resources, services, and docs (G+/)     Q Copilot				P
Home > App registrations >				
Register an application				$\times$
* Name				i
The user-facing display name for this application (this can be changed later).				
Application for contentGATE 🗸				
Supported account types				
Who can use this application or access this API?				
Accounts in this organizational directory only (MSFT only - Single tenant)				
O Accounts in any organizational directory (Any Microsoft Entra ID tenant - Multitenant)				
<ul> <li>Accounts in any organizational directory (Any Microsoft Entra ID tenant - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)</li> </ul>				
O Personal Microsoft accounts only				
Help me choose				
By proceeding, you agree to the Microsoft Platform Policies 🗗				
Register				

Once the app is registered, the **Application ID** and **Tenant ID** will be displayed on the app's **Overview** page. These values will be entered in contentGATE, so please mark them down.

Application for contentGATE - N ×	+										- 0	X C
← → C 😁 portal.azure.com/#vi	view/Microsoft_AAD_Regis	eredApps/Application	MenuBlade/~/Overvie	ew/appld/b9bc2b41-7	929-4786-a825-9128bbt	f664c7/c	objectId/2bf	5bcc2-920	)2-45f	₿ \$	≓î	<b>2</b> :
		esources, services, and c	docs (G+/)		🧿 Copilot	2	0	@ \$	ନ୍ମ S M	KE_admin( ASFT (2H2HX3)	@2h2hx3.c	on 🥐
Home > App registrations >												
Application for content	entGATE 🖈 …											$\times$
	<b>*</b>											
Search × «	🔲 Delete 🜐 Endpoi	ts 💽 Preview feature	es									
Overview	Got a second? We we	uld love your feedback on	Microsoft identity platfo	rm (previously Azure AD f	or developer). $ ightarrow$							
🍊 Quickstart												4
🚀 Integration assistant	↑ Essentials											
✗ Diagnose and solve problems	Display name	: Application for con	ntentGATE		Client credentials	: A	dd a certificat	e or secret	1			
> Manage	Application (client) ID	: b9b			Redirect URIs	: A	dd a Redirect	URI				
> Support + Troubleshooting	Object ID	: 2bf		_	Application ID URI	: A	dd an Applica	tion ID URI	a			
	Directory (tenant) ID	: 5e0			Managed application in	n I : Aj	pplication for	contentGA	ATE			
	Supported account typ	es : <u>My organization or</u>	<u>nly</u>									_ '
	Get Started Docu	mentation										
		Duild			• Misses • • •	ا م م ا						
		вина у	our applicat	tion with th	e wicrosott i	aen	tity pla	ttorm	л			
		The Microsoft ide	entity platform is an aut	hentication service, ope	n-source libraries, and app	plication	management	tools. You	ı can			
		create modern, sta	andards-based authentio	cation solutions, access Learn r	and protect APIs, and add nore	sign-in f	tor your users	and custor	mers.			

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The next step is to assign the necessary **permissions** to the application. Click the **API permissions button** in the left menu of the application details page. When the configured permissions page loads, click the **+Add a permission** button and select the appropriate API.

Application for contentGATE - N ×	+ - • ×
← → C 🖙 portal.azure.com/#	#view/Microsoft_AAD_RegisteredApps/ApplicationMenuBlade/~/CallAnAPI/appld/b9bc2b41-7929-4786-a825-9128bbf664c 建 🚖 📑 速 😩 🗄
	ch resources, services, and docs (G+/) 💿 🗘 🛞 🖓 🖓 SKE admin@2h2hx3.on 🦣
Home > App registrations > Applicatio	in for contentGATE
Application for cont	tentGATE   API permissions 🖈 … 🛛 🗙
Search × «	🕐 Refresh 🔰 🕅 Got feedback?
<ul> <li>Overview</li> <li>Quickstart</li> <li>Integration assistant</li> </ul>	Granting tenant-wide consent may revoke permissions that have already been granted tenant-wide for that application. Permissions that users have already granted on × their own behalf aren't affected. Learn more
<ul> <li>Diagnose and solve problems</li> <li>Manage</li> </ul>	The "Admin consent required" column shows the default value for an organization. However, user consent can be customized per permission, user, or app. This column × may not reflect the value in your organization, or in organizations where this app will be used. Learn more
<ul> <li>Branding &amp; properties</li> <li>Authentication</li> <li>Certificates &amp; secrets</li> <li>Token configuration</li> </ul>	Configured permissions Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions should include all the permissions the application needs. Learn more about permissions and consent + Add a permission Configured permission of MSFT
<ul> <li>API permissions</li> <li>Expose an API</li> </ul>	API / Permissions name Type Description Admin consent req Status
<ul><li>App roles</li><li>Owners</li></ul>	User.Read Delegated Sign in and read user profile No ····
<ol> <li>Roles and administrators</li> <li>Manifest</li> </ol>	To view and manage consented permissions for individual apps, as well as your tenant's consent settings, try Enterprise applications.

On the Request API permissions tab, search for Office 365 Exchange Online and select it.

Request API permissions - Micro X	+		- 0	×
← → C 😋 portal.azure.com/	/#view/Microsoft_AAD_Reg	isteredApps/ApplicationMenuBlade/~/CallAnAPI/appld/b9bc2b41-	7929-4786-a825-9128bbf664c 達 🛧 💷 🛓	<b>2</b> :
≡ Microsoft Azure 🔎 Sea	arch resources, services, and o	locs (G+/)	도 🗘 🔅 ⑦ 🗟 SKE_admin@2h2hv3.c	n 🥐
Home > App registrations > Application	on for contentGATE	Request API permissions		×
		Select an API		
✓ Search × «	🕐 Refresh 🕴 🖗 (	Microsoft APIs 2. APIs my organization uses My APIs		
Overview		Apps in your directory that expose APIs are shown below		
🍊 Quickstart	Granting tenant-v			
🚀 Integration assistant		S. y omice sos	Application (client) ID	
🗙 Diagnose and solve problems	The "Admin conse	Office 365 Enternrise Insights	fgd02241_e7aa_456d_926d_4a0ca599fhee	
∨ Manage	may not reflect th	4. Office 365 Exchange Online	0000002-0000-0ff1-ce00-00000000000	
Branding & properties	Configured permise	Office 365 Information Protection	2f3f02c9-5679-4a5c-a605-0de55b07d135	
Authentication	Applications are author	Office 365 Management APIs	c5393580-f805-4401-95e8-94b7a6ef2fc2	
Certificates & secrets	include all the permissio	Office 365 Search Service	66a88757-258c-4c72-893c-3e8bed4d6899	
Token configuration	1. + Add a permission	Office 365 SharePoint Online	00000003-0000-0ff1-ce00-00000000000	
API permissions	API / Permissions nar			
Expose an API	V Microsoft Graph (1)			
App roles	User.Read			
Owners				
Roles and administrators	To view and manage co			
Manifest	manage co			;

Then select **Application permissions**, and the available permissions will be listed.



Locate the **full\_access\_as\_app** permission from the **Other permissions** category and the **Exchange\_ManageAsApp** permission from the **Exchange** category, then click the **Add permissions** button.

Request API permissions - Micro ×	+		- 🗆 X
← → C 😁 portal.azure.com/#	#view/Microsoft_AAD_Regi	steredApps/ApplicationMenuBlade/~/CallAnAPI/appld/b9bc2b41-7929-4786-a82	25-9128bbf664c 建 🛧 📑 🛃 🛓
	rch resources, services, and d	ocs (G+/) 🛛 🖉 Copilot 🛛 🗵 🗘	ଡ 중 SKE_admin@2h2hx3.on      SKE_admin@2h2hx3.on
Home > App registrations > Applicatio	on for contentGATE tentGATE   API	Request API permissions	×
Search × «	🖒 Refresh 📗 🔗 (	Select permissions	expand all
R Overview		Start typing a permission to filter these results     Permission	Admin consent required
<ul> <li>Quickstart</li> <li>Integration assistant</li> </ul>	Granting tenant-v their own behalf a	$\vee$ Other permissions (1)	
X Diagnose and solve problems	1 The "Admin conse	full_access_as_app ① Use Exchange Web Services with full access to all mailboxes	Yes
Branding & properties	may not reliect th	> Calendars	
Authentication	Configured permiss Applications are author	> Contacts	
Token configuration	include all the permissio	✓ Exchange (1)	
API permissions	ADI / Permissions nar	Exchange.ManageAsApp ① Manage Exchange As Application	Yes
App roles	V Microsoft Graph (1	> IMAP	
A Owners	User.Read		
<ul> <li>Roles and administrators</li> <li>Manifest</li> </ul>	To view and manage co <sup>3</sup>	Add permissions Discard	

Once the permissions have been assigned, an administrator must **grant consent** for them. Click the **Grant admin consent for 'Tenantname'** button.



The Exchange\_ManageASApp permission allows the application to connect to PowerShell but does not automatically grant access to PowerShell commands or Exchange objects. Access to Exchange objects is managed through Role-Based Access Control (RBAC). This means that the App registration must be assigned either the Exchange Administrator role or the Exchange Recipient Administrator role.

To assign the role, navigate back to the Entra ID page, then go to <u>Roles and Administrators | All</u> <u>roles</u>, select **Exchange Administrator** from the list, and click on it.





K Exchange Administrator - Micro ×	+						- 0	$\times$
← → C 😁 portal.azure.com/#vie	ew/Microsoft_Azure_PIM	Common/UserRolesView	wModelMenuBlade/~/r	members/roleObjectId,	/29232cdf-9323-42fd-a	de2-1d09 ট 🛧	<b>≕</b> / 😩	:
■ Microsoft Azure	resources, services, and do	cs (G+/)		🤣 Copilot	D 🗳 🏟 🕐	SKE_admin@ MSFT (2H2HX3.0	)2h2hx3.on DNMICROSOFT.C.	Q
Dashboard > MSFT   Roles and administrate	ors > Roles and adminis	trators   All roles >						
Exchange Administration     Privileged Identity Management   Microsoft	tor   Assignme	nts						×
× «	+ Add assignments	🖇 Settings  🕐 Refresh	n 🕹 Export 🕴 🛜 G	Got feedback?				
∽ Manage	Add assignments Eligible assignments	Active assignments	Expired assignments					
<ol> <li>Assignments</li> </ol>	Search by member na	ame or principal name						
Description	Name	Principal name	Тире	Scope	Membershin	State	Start time	
袋 Role settings	Exchange Administrato	r	туре	scope	wennersnip	State	start time	
	Test_app	1c3d0ab4-958c-4a5f-9	Service principal	Directory	Direct	Assigned	-	
	contentACCESS Arcl	1f1f97f5-9cc5-43e5-a7a	Service principal	Directory	Direct	Assigned	-	
	Clark Kent	Clark.Kent@2h2hx3.onr	User	Directory	Direct	Assigned	-	
	•							Þ
	Showing 1 - 3 of 3 results	s.						

Click the **Add assignments** button, search for the App registration (e.g., 'Application for contentGATE' in our example) and assign it to the role. The App registration is categorized as a 'Service Principal'.

Select a member - Microsoft Az	× +	- 🗆 ×
← → C 😁 portal.azure.c	om/#view/Microsoft_Azure_PIMCommon/RoleAssignmentBlade/resourceId/5e00d4cb-55dd-4d84-93a7-bd447421c63b/s	electedScopeId~/null/selecte ڬ 🛧 📑 😩 🗄
	Search resources, services, and docs (G+/)     Opilot     Copilot     Z	🖉 🍪 🕐 🔊 SKE_admin@2h2hx3.on 🍕
Home > MSFT   Roles and administ Add assignments	tre Select a member Privileged identity Management   Microsoft Entra roles tre T	× Selected (1)
Membership Setting	Only groups eligible for role assignment are displayed.	7 Reset
Resource MSFT	Search 2.  P application  X	Application for contentGATE
Resource type Directory	All Users Groups Enterprise applications	
Select role ① Exchange Administrator	Name Type Details	
Scope type ① Directory	3. Application for contentGATE Enterprise ap b9b	
Select member(s) * ① 1. No member selected		
Next > Cancel	4. Select	

The roles will be listed on the Exchange Administrator | Assignments page now.

**\_**.

		🛛 te	charro	W			
👻 🙏 Exchange Administrator - Micro 🗙	+						- 🗆 X
← → C 😇 portal.azure.com/#w	iew/Microsoft_Azure_PIMCommon/Use	erRolesViewModelMenu	uBlade/~/members/role	ObjectId/29232cdf-932	3-42fd-ade2-1d097af3	e4de/roleId/ <table-cell-rows> 🕙</table-cell-rows>	☆ = ≧ :
$\equiv$ Microsoft Azure	$\mathcal P$ Search resources, services, and	docs (G+/)		🐶 Copilot	D 🖉 🎯 (	ੀ ਨਾ SKE_adn MSFT (2H2	nin@2h2hx3.on hx3.onmicrosoft.c
Home > Exchange Administra Privileged Identity Management   Microso × « Manage Assignments	tt Entra roles   Add assignments  Add assignments  Eligible assignments  Active assig	© Refresh y Export nments Expired ass	:   🔊 Got feedback? ignments				×
Description	Y Search by member name or princip.	al name Principal name	Туре	Scope	Membership	State	Start time
🐯 Role settings	Exchange Administrator						
	Application for contentGATE	b9b(	Service principal	Directory	Direct	Assigned	17/03/2025, 1:38
	Test_app	1c3	Service principal	Directory	Direct	Assigned	-
	contentACCESS Archive Access	1f1	Service principal	Directory	Direct	Assigned	-
	Clark Kent	Clark.	User	Directory	Direct	Assigned	
	Showing 1 - 4 of 4 results.						,

After assigning roles, return to the application settings and add a new client secret by clicking on the **+New client secret** button. This is required for some plugins and client applications.

Add a client secret - Microsoft / 🗙	+			-	
← → C	/#view/Microsoft_AAD_RegisteredApps/ApplicationMenuBlade/~/Credentials/appld/	9bc2b41-7929-4786-a825-9128bbf664	c7/isMSAApp~/false	다 ☆ 키	😩 :
$\equiv$ Microsoft Azure	∠ Search resources, services, and docs (G+/)	🕼 Copilot 🗵 💭	\$ 0 R	SKE_admin@2h2hx MSFT (2H2HX3.ONMICRO	8.on 60ft.c
Home > MSFT   App registrations > A	pplication for contentGATE	Add a client secret			$\times$
Application for cor	ntentGATE   Certificates & secrets 🔗 🐇				
•		Description	Application for c	ontentGATE_secret	
	R Got feedback?	Expires	730 days (24 mo	nths)	$\sim$
🔣 Overview					
🍊 Quickstart	Credentials enable confidential applications to identify themselves to the authentication				
💉 Integration assistant	scheme). For a higher level of assurance, we recommend using a certificate (instead of a				
🗙 Diagnose and solve problems					
∨ Manage	Application registration certificates, secrets and federated credentials can be found in t				
🗮 Branding & properties					
Authentication	Certificates (0) Client secrets (0) Federated credentials (0)				
1. 💡 Certificates & secrets	A secret string that the application uses to prove its identity when requesting a token.				
Token configuration	2. + New client secret				
API permissions	Pescription Evpires Value 🛈				
Expose an API					
App roles	No client secrets have been created for this application.				
A Owners					
👗 Roles and administrators		3. Add Cancel			

Once the client secret is generated, **copy** and **store** it in a secure location for future use. The client secret is **required** when configuring the Exchange Server connection in contentGATE with **modern authentication**.

*Note:* Client secrets have a **limited** lifespan (usually one year). A new client secret must be generated annually, and all affected contentGATE configurations must be **updated** accordingly.



Once all settings are configured, contentGATE can establish a secure connection to Exchange Online using modern authentication via PowerShell.

### Installation of contentGATE

The installation process for contentGATE is standard across all migration types. Detailed installation instructions are available on <u>this</u> page.



### contentGATE welcome interface

When contentGATE is launched for the first time, no migration is defined. The application will prompt the user to create a new migration project.

	<b>V</b> techarrow
😻 contentGATE	- 0 X
📄 New migration 🛛 🛞 Tools - 🔆 Settings 🥹 Help -	
Archive Explorer	Rens
Anthe Delare	New migration Very Me Very Me
L	

Users can either proceed with creating a migration or skip this step and define migrations later. A new migration can be created anytime by selecting the **New migration** option in the toolbar.

The welcome interface provides a toolbar with access to essential settings and functions:

- 1. **New migration** creates a new migration unit to configure the **source** and **target** archive, the version, stage, etc.
- 2. Tools connector-specific tools (not required for this migration)
- 3. Settings general contentGATE settings and connector (archive) settings
- 4. **Help** information about the license, version etc.

your vision of	technological	evolution
----------------	---------------	-----------



		-	×
Archive Explorer	Items		
Migrations	Page Information Total item count: 0 Page: 0 ÷ / 0 ()		
Version 2.16.11 (64 bit) Performance: CPU: 4% Memory (used	//available): 111 MB / 2689 MB		

If you would like contentGATE to send you notification email when migration job is finished, you can configure it in Settings tab. Click on the **Notification** option, then configure the following:

- SMTP server: the SMTP server that you want to connect to
- Port: 25 or 587 (for secure connection)
- Enable SSL: check this checkbox if you want your secure connection to use the SSL (Secure Socket Layer) protocol to encrypt communication
- User and Password: credentials of the user you want to authenticate with
- From address: email address from which the notification emails will be sent (the email address of the authenticated user)
- **Recipients:** email addresses that will be receiving notification emails from the job; multiple addresses need to be separated by semicolon



 Send notification emails if migration job is finished: do not forget to check this checkbox, otherwise notifications won't be sent. No matter if you stop it manually or it finishes by itself, the email will be sent.

	S Cattings			 ×	1	
Migrations	Global settings Global setting	Notifications SMTP server: Port: User: Password: From address: Recipients:	smtp.office365.com   587   Enable SSL   ske   ske   Emmak   Send test email   ation if migration job is finished			

The interface consists of two main panes:

- Left pane: Archive Explorer, where the newly created migrations are listed
- Right pane: Displays content based on the selected node in the Archive Explorer section

The **Open management button** allows access to advanced migration project settings. The **Page information** section helps adjust the paging settings.



▼ contentGATE	Y	-	×
Archive Explorer  Migration 01  Migration 01  Migration 01	Items Page Information Total item count: 5 Page: I 1 1 C C C C C C C C C C C C C C C C C		
Version 2.16.11 (64 bit) Performance: CPU: 1% Memory (use	rd/available): 158 MB / 2202 MB		

### Migration "how to"

This chapter outlines the steps to create and configure a migration project for:

- Emails from Exchange Online to a selected target location
- Emails from a selected source location to Exchange Online
- Emails from the Exchange Online to contentACCESS Archive

*Note:* These options are just examples demonstrating the configuration of Exchange Online in contentGATE. Additionally, any other element from the dropdown menu can be selected as the source or target location for migration when paired with Exchange Online.

### Creating a new migration project

To define a migration, click the **New migration** button available on the toolbar or in the context menu. This opens the New migration dialog.



₹ contentGATE		- 0	$\times$
📄 New migration 🛛 🛞 Tools 👻 🔆 Setting	is @ Help ▼		
Archive Explorer	Items		
Migrations	Page Information Total item count: 5 Page:		
<sup>2</sup> New	migration X		
	New migration Please fill in the name of the migration and select the source and target archives.		
Vers	ion: Basic 🗸		
Nan	ne: Migration 01 Load Configure stage		
Sou	Target archive Target archive		
D.	velop d.3 source V Configure D.velop d.3 V Configure		
Co	nnection: Connection:		
	Create Cancel		
Version 2.16.11 (64 bit) Performance: CPU:	2% Memory (used/available): 153 MB / 2570 MB		

Here, the following sections needs to be configured:

- Version: select Advanced from the dropdown menu
- Name: provide a unique name for the migration project. You can also select an already existing migration project by pressing the Load... button.
- Source archive: first, select the source archive from the dropdown menu, then click the **Configure...** button. The configuration page varies depending on the selected option
- Target archive: define the target location from the dropdown menu. Then configure it through the Configure... button. The configuration page varies depending on the selected target archive.

These configuration pages and the setting of the Exchange Online will be described in detail in the following sections.



Specifying Exchange Online as source or target archive

In this section, we will go through the Exchange Online configuration as source or target archive for the migration. The configuration in both cases is the same. First, select the **Exchange Server** option from the drop-down menu, then click the **Configure...** button.

New migr	ation			×
	<b>lew migration</b> lease fill in the name of the	e migration and selec	t the source and target archives.	
Version:	Advanced	~		
Name:	Migration 01		Load	Configure stage
Source a	nchive		Target archive	
Exchang	ge Server 🗸 🗸 🗸	Configure	contentACCESS Target ~	Configure
Connect	tion:		Connection:	
		^		^
		· · ·		· · · · · · · · · · · · · · · · · · ·
			Creat	te Cancel

Screenshot: Exchange Online configured as source archive

New migro	ation	×
	lew migration lease fill in the name of the migration and selec	t the source and target archives.
Version:	Advanced ~	
Name:	Migration 01	Load Configure stage
Source a	rchive	Target archive
Outlook	PST file $\lor$ Configure	Exchange Server  V Configure
Connect	ion:	Connection:
	~	~
		Create Cancel

Screenshot: Exchange Online configured as target archive

The Exchange Connection Form Source dialog opens, where you can select either Microsoft **365** or **On-Premises** Exchange Server. We will continue the configuration with the Microsoft 365 option.

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Under the **Exchange** tab, in the **M365 connection** section, the EWS address and PowerShell address are **automatically filled in**. You only need to complete the **modern authentication** section. This is where you will need the app registration mentioned in the <u>Microsoft Entra ID app</u> registration for <u>Microsoft 365 migration</u> section.

From the Entra ID, you will need the **Application ID**, **Tenant ID**, and **Client Secret**. Additionally, you will need to provide a **Test email** address. The user specified here must have access to both the **Exchange Server** and the **registered application**. Once the configuration is complete, we recommend running a **test connection** using the **Test** button.

ExchangeConnection	nFormSource	×
Exchange Advanced		
Microsoft	t 365 On-premises Exchange Server	
M365 connection		
EWS address:	https://outlook.office365.com/EWS/Exchange.asmx	
PowerShell address:	https://ps.outlook.com/powershell	
Modern authenticatio	n	
Application id:	b9bi	
Tenant id:	5e0	
Client secret:	•••••	
Test email address:	ske	
	reaction reaction	
For more information	about how to configure modern authentication, please visit this link	
	Save	Cancel

On the **Advanced** tab, you can choose how contentGATE connects to the Exchange Server: **directly** (establishes a direct connection without requiring a remote agent) or through a **remote agent** (uses a remote agent for the connection). In the case of a connection through a remote agent, the server and port values are automatically filled in and should be kept as they are. You can also select the **Load archive mailboxes as source objects** option, in which case



contentGATE will load the in-place archives separately. This allows to use the primary mailboxes and the in-place archive mailboxes independently.

₹ ExchangeConnectionFormSource		×
Exchange Advanced		
Agent configuration		
Connect directly (do not use agent)		
O Connect through remote agent		
Server: localhost		
Port: 8999	Test connectio	n
Load archive mailboxes as source objects		
	Save	Cancel

Once you configured all required settings, click the **Save** button on the pop-up window.

Specifying contentACCESS Archive as target archive

In this scenario, the **contentACCESS Archive** is configured as a **contentACCESS target** using **modern authentication**.

First, we select contentACCESS Target from the **Target archive** dropdown menu, then click the **Configure...** button. The pop-up window consists of three tabs: Connection, Options, and EWS.

In the **Connection** tab, we configure the Target contentACCESS settings using the **Configure connection...** button.

contentACC	ESS config	uration				
nnection Op	tions EWS	S	 			
larget content	ACCESS se	ttings		_		
Protocol:					Configure connect	tion
Server:						
Port:		0 ‡				
Auth type:						
Jser name:						
Password:						
Model:						

First, enter the server name and port of your contentACCESS installation, then click Next.

🏹 Connect to content	ACCESS		×
	Please ente installatio	er the server name and port of your contentACCESS n	
	Protocol:	net.tcp ~	
and production of the local of	Server:	localhost	
C	Port:	8738	
2			
		Previous Next Cance	d -

Choose the authentication type to be used to connect to contentACCESS and enter the applicable user credentials. It is recommended to use an account with at least **tenant administrator**level **permissions**. Click **Next**.

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/			

	🟹 tec	harrow		
🔻 Connect to contentA	CCESS			×
	Choose the authentica recommended to use a	tion mode and enter t t least tenant adminis	the credentials. It strator account.	is
	Authentication type:	Azure Azure Forms Windows		~
2		Previous	Next	Cancel

The next dialog will list all available models based on your **contentACCESS license**. Choose the Email Archive model, which will be the **target** of this migration, and click **Finish**.

🔻 Connect to contentA	CCESS		Х				
	Select the model which will be the target of the migration.						
	Model:	Email archive (Test)					
and the property of the second	Model type:	EmailArchive					
C. mark	Tenant:	Test					
		Previous Finish Cancel	l				

Back in the initial dialog, switch to the **Options** tab. Use the **Change** buttons to set the following:

- **Default retention category**: to specify the time period, during which the email message will be stored
- Default shortcut type: it is the primary method used for creating shortcuts. In the case
  of Exchange Online source, there are no shortcuts (just emails) so we recommend selecting the "Keep original" shortcut type.
- Shortcut type for Backup: in the case of Exchange Online source, there are no shortcuts (just emails) so we recommend selecting the "Keep original" shortcut type.

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	<b>techarrow</b>		
contentACCESS configure	ation		×
Connection Options EWS			
Default retention category:	CA_12M	Chai	nge
Default shortcut type:	CA_original	Cha	nge
Shortcut type for 'Backup':	CA_original	Cha	nge
<ul> <li>File archive migration: Use</li> <li>File archive migration: allor</li> </ul>	virtual move (if available) w to restore shortcuts for long file names		
		Save	Cancel

The available retention categories/shortcut types to be used in the target archive are listed based on the contentACCESS settings. Click the **Change...** button to select the required option from the dropdown list.

*Note:* The File Archive migration settings do not need to be configured when migrating emails to or from Exchange Online.

The **EWS** tab needs to be configured only if shortcuts are being migrated. Since there are no shortcuts in Exchange Online, this tab can be left unconfigured.

Once the source and target archive connection is set, click on **Create** in the very first **New Migration** dialog.

	your vision of te	echnological evolution
	<b>V</b> teo	charrow
New mign	ation	×
	lew migration lease fill in the name of the migration and se	lect the source and target archives.
Version:	Advanced	·
Name:	Exchange Online migration	Load Configure stage
Source a	urchive	Target archive
Exchang	e Server V Configure	contentACCESS Target ∨ Configure
Connect	ion:	Connection:
Microso	nft365	Server=localhost:8738
	×	
		Create Cancel

The migration project is now added to the **Archive Explorer** pane of contentGATE.

### Migration project configuration

As mentioned earlier, we will demonstrate the Exchange Online migration process with Exchange Online configured as the source archive and contentACCESS as the target archive.

First, open the *Exchange Online migration* project using the **Open Migration Management** button.

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🔻 contentGATE	Y	_	Х
🗄 📄 New migration 🛛 🏟 Tools 👻 Settings 🔞 Help 👻			
Archive Explorer	Items		
Migrations     Migration 01     Exchange Online migration	Page Information Total item count: 5 Page: 1 / 1 Pagestive Vicine		
	Property Value Name Exchange Online migration		
	Source archive Exchange Server (Microsoft365)		
	Target archive contentACCESS Target (Server=localhost:8738)		
	Stage start 1/1/1899 12:00:00 AM		
Version 2.16.11 (64 bit) Performance: CPU: 57% Memory (use	ed/available): 162 MB / 1521 MB		

Now, we will walk through the configuration settings of the newly created migration project. These configurations allow you to set:

- The exact mailboxes to be migrated or excluded from the migration process
- The specific migration workflow
- Migration options

#### Interface overview

The migration project's settings are available in the respective sections of the migration's management interface.



				••••				
🔻 contentGATE migrat	ion - Exchange Online migration						_	×
Active migration:	Exchange Online migration							
1.Home 2.Source objects	3 Target objects 4. Mappings 5. Migration							
Dashboard 🔅 Change si Change ta I Generate	ource 🗞 Settings arget migration report Migration	Source objects Migration objects	Mappings Mappings	All jobs Jobs	Migration management Migration			^
C Dashboard								
Migration details				lt	ems migrated	d - turned off		
Exchange Online mi	igration							
Migration from Exchange	Server (Microsoft365) (Exchange Server)							
to contentACCESS Targe	t (Server=localhost:8738) (contentACCESS Target	)						
Source objects:	0							
Target objects:	0							
Number of mappings:	0							
Number of jobs:	1							
Current activity								
Active re	aders: 0, active worke	rs: 0						
0.3						Reading Migrating		

The following settings are available in these sections:

#### 1. Home

Migration settings can be viewed, and connector settings can be viewed or edited on this page. The toolbar on this page features the following options:

- Change source Edit source archive connections using this option
- Change target Edit target archive connections using this option
- Generate migration report Create an overall migration report for all mappings using this option (more details <u>here</u>)
- Settings Configure item filtering settings, global settings, and performance settings here (more details <u>here</u>)
- License usage information Displays the data volume and number of items in the migration
- Retention mapping Map source retention categories to target retention categories here

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Dashboard – Displays the basic parameters of the source and target connectors

The graph in the Migration details section displays the number of migrated items in the last 7, 30, or 365 days. The time period can be adjusted using the triple-dot menu in the top right corner of the graph. Hover your cursor over the graph to display the information. Initially, the value is "0".

🔻 contentGATE migration - Exchange Online migration -	×
Active migration: Exchange Online migration	
Home Source objects Target objects Mappings Migration	
Image: Section of the section of t	^
C Dashboard	
Migration details Items migrated - turned off	
Exchange Online migration       Image: Server (Microsoft365) (Exchange Server)         Migration from Exchange Server (Microsoft365) (Exchange Server)       Image: Show last 7 days         to contentACCESS Target (Server=localhost:8738) (contentACCESS Target)       Image: Show last 30 days         Source objects:       0         Target objects:       0         Number of mappings:       0	
Number of jobs:     1     Current activity     Active readers: 0, active workers: 0     0.3     Reading     Migrating	
0	

The current activity of reader and worker threads can also be viewed using the graph at the bottom of the window.

#### 2. Source objects

This section displays the list of source objects (in this case Exchange Online) available on the source connector. Initially, the grid is empty. Source objects can be loaded either manually or automatically. (For more details, click <u>here</u>.)

your vision of technological evolution **V**techarrow ኛ contentGATE migration - Exchange Online migration \_ × Active migration: Exchange Online migration Home Source objects Target objects Mappings 🕒 Select manually 🛛 🗇 Create mappings 🕜 Load all Q Show contents (2) Refresh **0** Properties 💥 Remove Manage source objects Source objects Type Name Path Content type Creation date Modification date Status EmailAddress ExchangeServer ٩ RBC A B C A B C RBC A B C

### 3. Target objects

Target objects (mailboxes already provisioned in the contentACCESS Email archive) can be loaded here either manually or automatically. The list collects the targets of the migration — where the data will be migrated. The list is initially empty, and objects can be added either manually, or all of them can be loaded at once. (For more details, click <u>here</u>.)

7	contentGATE n	nigration	- Exchange Online	migration					-	- 0	×
Act	Active migration: Exchange Online migration										
Hom	ne Source (	bjects	Target objects	Mappings Migrat	ion						
<b>(</b> ) :	Select manually	💥 R	emove 🛞 Find sh	nortcuts in the mailbox							
🕢 I	oad all	00 Pr	operties	users for shortcut mia	ration						
		3 R	efresh								~
		M	lanage target objects								
1	Target	object	S								
Т	ype Name			Path	Content type	Creation date	Modification date	Status	EmailAddress	Exchang	eServer
٩	RBC			R B C	R B C	=	=	=	RBC	R B C	
<											>



#### 3. Mapppings

During migration, Exchange Online mailboxes are assigned to contentACCESS archive mailboxes. This process is called **object mapping**, where each source mailbox is assigned to exactly one target. Multiple source mailboxes can be mapped to the same target mailbox, allowing mailbox merging. Mapping can be done manually or automatically, using the email address or mailbox name to match source objects with target objects. Any items that cannot be mapped automatically must be mapped manually. (For more details, click <u>here</u>.)

¥	contentGATE migration - Exchange Online	e migration			- 0	×
Act	tive migration: Exchange Online	e migration				
Hor	ne Source objects Target objects	Mappings Migration				
Ð	Create 😤 Add to group 🛄 Erro	or report				
D	Edit 🛛 Remove from group 🔍 Sho	ow contents 🛛 🥜 Reset erro	rs			
*	Remove 🖳 Create report 🕉 Org	ganize mappings				
	Manage mapping	js				^
G	Mappings					
			Pold consists to solute	Construct King	M- 20	
•	source	larget		Creation time	Modification time	
- T	n <u>u</u> t.	n <mark>o</mark> c	n 🖸 L	—	_	
<						>

#### 4. Migration

Migration jobs and groups can be created and viewed on this tab. The workflow of a migration is defined in the migration job. Typically, there are two types: item migration workflow and shortcut migration workflow. In this scenario, the shortcut migration workflow is not applicable, so we will omit it. A migration job must always be assigned to a migration group, as only the mailboxes added to groups can be migrated. (For more details, click <u>here</u> for jobs and here for groups.)

	your vision of technological evolution	
	<b>techarrow</b>	
🔻 contentGATE migration - Exchange Online migration	-	×
Active migration: Exchange Online migration		
Home Source objects Target objects Mappings Migrati	on la contra de la c	
Create job	Add members	
Edit job	X Remove members	
Solution Sol	Add members from CSV	
Manage groups		^
K Migration management		
at a second s		
Groups Jobs of group Members of group		
Default (0) Default job [Default] - Email mi	gration	
Stopped		
🕞 Start 🔲 Stop		

All the above-mentioned sections are initially **empty**. To configure these settings, refer to the following sections of this user guide.

Default project settings

Before you start configuring a migration job, you can set default settings that will be applied to your migration project. To configure these default settings, click on **Settings** in the **Home** tab's toolbar.



			••••				
▼ contentGATE migration - Exchange Online migration						_	×
Active migration: Exchange Online migration							
Home Source objects Target objects Mappings Migration	1						
Image: Settings     Image: Settings       Dashboard     Image: Settings       Image: Image: Settings     Image: Settings       Image: Image: Image: Settings     Image: Settings       Image:	Source objects	Mappings	All jobs	Migration management			
Migration	Migration objects	Mappings	Jobs	Migration			^
🜍 Dashboard							
Migration details			lt	ems migrate	d - turned off		
Exchange Online migration							
Migration from Exchange Server (Microsoft365) (Exchange Server)							
to contentACCESS Target (Server=localhost:8738) (contentACCESS Targe	t)						
Source objects: 0							
Target objects: 0							
Number of mappings: 0			_				
Number of jobs: 1							
Current activity							
Active readers: 0, active worke	ers: 0						
0.3					Reading		

The **Migration settings** window will open. The navigation pane of this window features three types of settings:

- Global settings
- Filtering settings
- Performance settings

#### 1. Global settings

The following options can be configured here:

a) Email migration – the "*If folder path is unknown, use this path*" option specifies a target mailbox folder for mailbox items whose path cannot be found during the migration process. By default, items without folder path information are saved into the 'Unknown' folder, but this folder can be changed here. In this section, you can also configure several options, including

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whether to perform shortcut migration, remove unread flags from emails, limit recipients (and to what extent), convert emails to .msg format, and more.

**b)** Shortcut migration – when checked, the option "Preserve shortcut properties during the shortcut migration does the following:

*Important:* Although this section is described on this page, the Shortcut migration settings can be left unconfigured, as there are no shortcuts in Exchange Online.

- finds a shortcut in the mailbox
- reads properties that can be preserved (categories, follow-up flags, read status, etc.)
- migrates the item 1:1 the item will remain exactly the same as it is in the source archive
- upgrades the shortcut (creates a new item from the .msg file)
- applies properties that can be preserved on the new shortcut)

*Note:* Information such as category, follow-up flags, read status, etc., are Outlook/user-specific information and may change multiple times during an email's lifetime. Therefore, these should be considered user-specific information, not email-specific.

This option is recommended if the migration needs to be fully compliant. The migrated message remains as is, but the user's shortcut retains the user-specific Outlook information.

In this section, you can also modify the migrated email before it is transferred to the target system by selecting the option *Modify migrated message by applying the actual shortcut properties on it* will modify the migrated email before it is transferred to the target system. In this case, the following happens:

- finds a shortcut in the mailbox
- reads properties that can be preserved (categories, follow-up flags, read status, etc.)
- reads the message from the source archive and applies properties that can be preserved on the message
- migrates the modified message to the target archive
- upgrades the shortcut (creates a new item from the modified .msg file)

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The properties that can be preserved are applied to the new shortcut.

This option is recommended if the customer requires updating the status of migrated emails to their current status. The email is modified during the shortcut migration, so it cannot be considered a fully compliant migration.

*Important:* If the item migration has already finished on the given mailbox, the option **Modify migrated message by applying the actual shortcut properties on it** no longer applies, because the email was already migrated 1:1 to the target archive and cannot be modified later. Therefore, plan the migration strategy in advance, especially the sequence of migration.

**c) Public folders** – If explicit public folder settings need to be configured, it is possible to allow and configure them here.

Migration settings	- 🗆 X
Settings	Global settings
😳 Global	
💡 Email filtering	a) Email migration
Performance	If folder path is unknown, use this path: Unknown
	<ul> <li>Create shortcut in mailbox during migration</li> <li>Remove the unread flag from the items during migration</li> <li>Limit the number of recipients to</li> <li>Remove the envelope from envelope journal messages</li> <li>Convert ANSI messages to Unicode format</li> <li>Add the 'Received' header to EML file if missing</li> <li>Always convert email to MSG format</li> </ul> <b>b)</b> Shortcut migration <ul> <li>Preserve shortcut properties during shortcut migration</li> <li>Modify migrated message by applying the actual shortcut properties on it</li> <li>Shortcut pattern</li> </ul>
	c) Public folders
	Use explicit public folder settings Exchange Server:
	Email address:
Settings	
	Close

#### 2. Email filtering

a) Email address filtering – this settings allow you to exclude certain mailboxes from the migration process. The list of mailboxes to be excluded can be imported from a CSV file, a SQL database connected to the source archive, or from **Oracle** used by the source archive. Multiple lists



of entities to be excluded can be imported. Existing entries will not be deleted; the list will only be updated.

To add mailboxes to be excluded, click the **Import** button, select the import type, and specify the items that should not be processed by the migration project.

Migration settings							_		×
Settings <	Fr En	nail filtering options fo	r the whole mig	ration					^
Email filtering	Email ad	dress filtering							
	✓ Allow f	iltering by email address							
	This	option allows you to excl	ude certain mails fi	om the migration	process.				
	TFH	nopuol railonis you to excl	s matches one of t	he entries on this	r list the mail v	uill be excluded	Ч		
	110	ie mail senaer of recipient	s matches one of t	ne chares on an	s listy the main			$\sim$	
			_					$\sim$	
		Clear Import			Number o	fentries: 0			
		Import data					×	]	
	Excluded								
			Select the inn	ut source					
	Eve		Section						
	Plei								
	Le		Tune	CSV Fla		~			
		<u></u>	Type.	CSV file					
	Message	ő		SQL Server Oracle					
	Auow ;								
	Thi								
Settings	Ift							~	
					Previous	Next	Cancel	Clo	se

**b) Exclude shortcut handling** – even if certain mailboxes are excluded from the migration, shortcuts pointing to the excluded mailboxes may still exist. The dropdown list allows the administrator to choose what to do with these shortcuts:

- leave them untouched
- replace them with the original item
- delete them

*Important:* The Exclude shortcut handling settings needs to be configured only if shortcuts are being migrated. Since there are no shortcuts in Exchange Online, this tab can be left unconfigured.

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**c)** Message class filtering – this option allows the exclusion of emails whose message class matches any of those listed.

d) Date filtering – process only emails within the specified timeframe.

e) Size filtering - this option allows you to include emails based on their size

**f) Filtering by document ID** – exclude documents based on the document id in the database. To do this, you will need to select the database containing the document identifiers by clicking the **Browse...** button.

**g) Subject filtering** – this option allows you to exclude emails whose subject matches any of those listed in this section. The list of emails to be excluded can be imported from a CSV file, a SQL database connected to the source archive, or from **Oracle** used by the source archive.



myration settings			-		
ettings <	6	Email filtering options for the whole migration			
Global					
Email filtering	a) E	mail address filtering			
) Performance		Allow filtering by email address			
		This option allows you to exclude certain mails from the migration process.			
		If the mail sender or recipients matches one of the entries on this list, the mail will be exc	luded.	~	
				$\sim$	
		Clear Import Number of entries:	0		
	p) E	xcluded shortcut handling			
		Even if emails are excluded from the migration, there might still be shortcuts present.			
		Please decide what to do with the shortcuts which are pointing to excluded emails.			
		Leave the shortcut untouched			
	c) N	lessage class filtering			
		This option allows you to evolute certain mails from the migration process			
		If the message class matches one of the entries on this list, the mail will be excluded.			
				$\sim$	
				v	
		zave			
	d) D	ate filtering			
		Allow filtering by date			
		This option allows you to include emails based on their date (received or sent date)			
		Include only emails between     1/1/0001     1/1/0001		$\sim$	
				_	
	e) S	ize filtering			
		Allow filtering by size			
		This option allows you to include emails based on their size			
			<u>+</u>	]	
	f) F	iltering by document id			
		Allow excluding documents based on database			
		This option allows you to exclude emails if the document id is in the database			
			Br	owse	1
	g) S	ubject filtering			
		Allow filtering by email subject			
		This option allows you to exclude certain mails from the migration process.			
		If the mail subject matches one of the entries on this list, the mail will be excluded.			
				~	
	1	Clear Import Number of entries:	0		
eungs					



#### 3. Performance

Performance settings allows you to set the **default** performance values for every migration job in a migration project. The administrator can specify the default number of reader and worker threads here. The thread count determines the number of tasks running in parallel. These default values will be prepopulated in the migration job's settings.

*Note:* The thread count can be modified in the job settings. The values defined in the migration job will always take priority.

ኛ Migration settings	_		Х
Settings <	Performance values for the migration Default values for jobs		
Performance	Default number of readers: 4 + Default number of workers: 4 +		
Settings			
		Clo	se

#### Loading source objects

The **source objects** refer to the available mailboxes in the **source Exchange Online**. Open the **Source objects** tab. The grid on this page is initially empty, and the source mailboxes must be loaded.



7	7 contentGATE migration - Exchange Online migration - 🗆 X														
A	ctive	migrati	on: Ex	change Onlii	ne mig	gration									
H	ome	Source of	bjects	Target objects	Мар	opings M	ligration	ı							
C	Selec	t manually	🛱 Cr	eate mappings											
0	) Load	all	Q, Sh	now contents 😽	🚯 Refre	esh									
3	Remo	ve	60 Pr	operties											
		Mar	nage sou	rce objects											^
	<u></u>	Source o	object	ts											
	Туре	Name			F	Path		Content type	Creation date	Modification date	Status	EmailAddress	Excha	ngeServ	er
9		RBC			F	BC		RBC	=	=	=	RBC	R B C		

You can:

- Load all use this option to load all objects available on the source archive
- Select manually if you don't want to load all available objects from the source connector (e.g. you don't want to migrate everything), you can use this option to select the desired objects manually

When selecting objects manually, the **Migration objects** dialog will open. Select the desired objects from the list and click **Add**. The source objects will then be moved to the lower part of the dialog. The dialog also offers an option to select subfolders of a source object (option **Add folder**). You can also delete the selected objects by clicking on the **Remove** button. Once you selected the required subjects, click **Save**.



V	Migrat	ion objects					_		×
5	Select	migration objects							
	Туре	Name	Path	Content	type	Display name			
٩		RBC	RBC	RBC		RBC			^
	0	Adele Vance		Mailbox					
	0	Alex Wilber		Mailbox					
	0	CAEA-SKEQA		Mailbox					
►	0	Diego Siciliani		Mailbox					
	0	Discovery Search Mailbox		Mailbox					
	0	Emma Kent		Mailbox					$\checkmark$
Ite	ems: 25 - S	elected: 1	-						
⇒	Add	🖓 Add folder 🙀 Remove							
	Туре	Name	Content type	EmailAddress	ExchangeServer				
٩		R B C	R B C	RBC	RBC				
►	Ø	Clark Kent	Mailbox	Clark.Kent@2h2h.	pa4pr06mb8569				
Ite	ems: 1 Se	lected: 0							
							Save	C	incel

The selected source objects will now be added to the list.

3	🛿 contentGATE migration - Exchange Online migration – 🗆 X																	
A	ctive	migratio	on: Ex	change On	line m	igratio	on											
F	lome	Source of	ojects	Target objec	ts №	1appings	Migratio											
6	) Selec	t manually	\$ 0	reate mappings														
6	) Load	all	Q, S	how contents	🕲 Re	fresh												
2	Remo	ve	00 P	roperties														
		Mar	nage soi	urce objects														^
	🔶 s	ource o	objec	ts														
	Туре	Name				Path		Content type	Creation	date	Modifica	tion date	Status	EmailA	ddress	Exchange	Server	
٩		RBC				RBC		R B C	=		=		=	RBC		R B C		
Þ	0	Clark Ke	ent					Mailbox	18/03/2	025 11:41:03	18/03/2	025 11:41:03	None	Clark.K	(ent	pa4pr06r	nb8569	
	0	Emma K	ent					Mailbox	18/03/2	025 11:41:03	18/03/2	025 11:41:03	None	Emma.	Kent	paxpr06r	nb8234	
It	ems: 0	Selected: 0																

You can view mailbox items, attachments, and file versions by using the **Show contents** option in the toolbar.



contentGATE migration - Exchange Online migration					-		$\times$	
Active migration: Exchange Online migration	on							
Home Source objects Target objects Mappings	Migration							
Image: Select manually       Image: Select manually         Image: Select manual	Show contents - Emma Kent				-		×	
Manage source objects	🖃 📜 Emma Kent		Status	Name	Id			$\cap$
🔶 Source objects	Archive	9	RBC	RBC	REC			
Turco Namo Dath	Contacts		-	Test meeting	AAMkAD	DUxNjlkMDB	hLWZ	
iype     realize     ratio       P     nic     nic       Image: Im	Conversation Action Settings     Conversation History     Deleted Items     EventCheckPoints     EventCheckPoints     LeternalContacts     Journal     Junk Email     Junk Email     Junk Email     Lourks     Coutox     Sent Items     Sent Items     Sent Items     Vammer Root	< Items 1 Se	lected: 1			Close	>	

Use the **Properties** option to view the basic properties of a mailbox.

₹ contentGATE migration - Exchange Online migration							-		Х
Active migration: Exchange Online migration									
Home Source objects Target objects Mappings	Migration								
⊕ Select manually           ⇔ Create mappings             ⊘ Load all           Q, Show contents             ★ Remove           ⊕ Properties          Manage source objects	Vigration object		×						^
合 Source objects	(1) Emma Kent								
Type Name Path	Content type:	Mailbox			Status	EmailAddress	Exchange	Server	
P REC REC	Object identifier:	28			=	RBC	88C		_
Clark Kent	Entity identifier:	Emma.Kent@.		03	None	Clark.Kent	pa4pr06m	b8569	
O     Emma Kent	Path:			03	None	Emma.Kent	paxpr06m	b8234	
	Creation date:	3/18/2025 11:41:03 AM							
	Modification date:	3/18/2025 11:41:03 AM							
	Status:	None							
			Close						

Once the required source objects are loaded, switch to the Target objects section.



#### Loading target objects

Target objects are the provisioned contentACCESS Email archive mailboxes.

Open the **Target objects** tab from the toolbar. Initially, the grid is empty. The mailboxes <u>provi</u>sioned in the contentACCESS archive will be loaded on this page. These mailboxes will be the targets of the migration.

🔻 cont	ኛ contentGATE migration - Exchange Online migration – 🗆 X													
Active	migrati	on: Excl	nange Online	migration										
Home	Source o	bjects	Target objects	Mappings	Migration									
🕀 Selec	t manually	💥 Rem	iove 🛞 Find s	hortcuts in the m	ailbox									
🥝 Load	all	🛞 Prop	erties esh 🕀 Creat	e users for short	cut migration									
		Man	nage target object	s									^	
<b>_</b> ·	Target o	bjects												
Туре	Name			Path	Conte	ent type	Creation date		Modification date	Status	EmailAddress	ExchangeSe	erver	
۴	REC			RBC	RBC		=		=	=	RBC	RBC		
											_			
<													>	

You have two options for loading the mailboxes from the contentACCESS archive:

- Load all use this option to load all objects available in the target archive
- Select manually if you do not want to load all available objects from the target connector, you can use this option to manually select the desired objects

When selecting objects manually, the **Migration objects** dialog will open. Select the desired objects from the list and click **Add**. The target objects will then be moved to the lower part of the dialog. The dialog also offers an option to select subfolders of a target object (option **Add folder**). You can also delete the selected objects by clicking on the **Remove** button. Once you selected the required subjects, click **Save**.



V	<sup>′</sup> Migrati	ion objects					_		×
5	Select	migration objects							
	Туре	Name	Path	Content ty	pe	Display name			
٩		R B C	RBC	R B C		R B C			
►	Ø	Diego		Mailbox		Diego Siciliani			
Ite	ums: 1 Sel	erted: 1							
	A		1						
	Ааа	V Add folder							
	Туре	Name	Content type	EmailAddress	ExchangeServer	IsPublicFolder	Mailbox	DN	
۴		RBC	RBC	RBC	RBC	RBC	R B C		
►	Ø	Alex	Mailbox	Alex	Office365	False	/o=Exd	nangeLab.	
Ite	rms: 1 Sel	ected: 0							
							Save	Cai	ncel

The selected target objects will now be added to the list.

🔻 content	GATE migratio	n - Exchange Onlin	e migration					_	. 🗆	×			
Active m	igration: E	xchange Onlin	e migration										
Home S	Source objects	Target objects	Mappings Mig	ration									
🕒 Select m	Select manually       Remove       Find shortcuts in the mailbox         Ware the select manually       Properties         Load all       Create users for shortcut migration												
		Manage target objec	ts							^			
🚽 Та	rget objec	ts											
Туре	Name		Path	Content type	Creation date	Modification date	Status	EmailAddress	ExchangeSer	rver			
9	RBC		RBC	R B C	=	=	=	R B C	R B C				
► <u>0</u>	AlexW@2h2hx	3.onmicrosoft.com		Mailbox	18/03/2025 01:00:51	18/03/2025 01:00:51	None	AlexW@2h2hx3	Office365				
<										>			
Items: 1 Se	lected: 1												

Use the **Properties** option to view the basic properties of a mailbox.



				•					
🔻 cont	tentGATE migration - Exchar	nge Online migration					_	. 🗆	×
Active	e migration: Exchange	e Online migration							
Home	Source objects Target	objects Mappings Migr	ation						
🕑 Seler	ct manually X Remove	Find shortcuts in the mailed Create users for shortcut n rget objects	x higration	Vigration object		×			,
	Target objects			Alex     Alex					
Туре	Name	Path	Content	Content type:	Mailbox		EmailAddress	ExchangeS	erver
9	RBC	RBC	REC	Object identifier:	29		RBC	RBC	
<u>۲</u>	Alex		Mailbox	Entity identifier:	45 99583e73-21f2-4ab8-9a36-06b578b0b8-	45	AlexW@2h2hx3	Office365	
				Path: Creation date: Modification date: Status:	3/18/2025 1:00:51 PM 3/18/2025 1:00:51 PM None				
<					Close				>
Items: 1	Selected: 1								

Load the desired objects into the target (where you will **migrate TO**) and then switch to the **Mappings** section.

Mapping source objects to target objects

*Note:* The Error report and Reset errors buttons are explained in the section Migration reports.

Open the Mappings tab and click Create in the toolbar to create the desired object mapping(s).

**W**techarrow 🔻 contentGATE migration - Exchange Online migration  $\times$ Active migration: Exchange Online migration Source objects Target objects Mappings Home Migration 🕒 Create 🛛 🖓 Add to group 🖳 Error report 🖾 Remove from group 🔍 Show contents 🖉 Edit Reset errors 👶 Organize mappings 😹 Remove 📃 Create report Manage mappings 🧒 Mappings Source Target Field mapping template Creation time Modification time RBC RBC R B C <

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The Mappings dialog displays:

- The source object(s) to be migrated on the source side
- The target object(s) where the source objects will be migrated to on the target side

¥	Маррі	ngs									-		×
м	appir	ng source objects to target	objects										
Sou	ce obied	ts			Таг	raet obie	cts	Hide mapped target object	ts				
	Type	Name	Content type	EmailAddress		Type	Name		Content type	En	nailAddress	3	Exchang
٩		a 🛛 c	RBC	RBC	ę		REC		ROC	R	c		REC
Þ	Ø	Clark Kent	Mailbox	Clark.Kent@2h2h	•	Ø	Alex		Mailbox	Ale	exW@2h2l	nx3	Office36
	0	Emma Kent	Mailbox	Emma.Kent@2h2									
	Ø	Generated Alex	Mailbox	AlexW@2h2hx3									
1					1	_							
s Ite	me: 3			7	< Ite	ems: 1							7
									🌮 Map selecte	d	> Map a	utomat	tically
Assi	an to ar	<none></none>	-							D	File bo	ised ma	pping
Mar	nings												
- Triap	purgs	Source	Target	F	ield m	napping t	emplate	Match probabilit	tv (%)	SourceEn	nail	Targe	tEmail
ę		RBC	RBC	R	8 C	app. g c		RBC		RBC		REC	
I –													
< // 10	me: 0												>
- rce													
*	R	emove											
											ОК	Ca	ancel

*Note:* A source object can only be mapped to one target, but a target object may be associated with multiple source objects. This action is called merging. If you want to associate multiple



sc	source objects with the same target, uncheck the Hide mapped target object option above the										
gr	id.										
6					Te						
30	Type	Name	Content type	EmpilAddroco		Tupo	Namo	✓ Hide mapped target of	Content turns	EmpilAddroog	Evebane
	Type	None	eontent type		•	туре			eontent type		
	ത	Clark Kent	Mailbox	Clark.Kent@2h2h	+	Ø	Alex		Mailbox	AlexW@2h2hx3	Office 36
	Ø	Emma Kent	Mailbox	Emma.Kent@2h2		Ŭ					
	0	Generated Alex'	. Mailbox	AlexW@2h2hx3							
<				>	<						>
It	ems: 3				Ite	ems: 1					

Mappings can be specified **manually** or **automatically**. For **manual selection**, select each source and target one by one, and map them together using the **Map selected** option. The added mappings will be shifted to the lower part of the **Mappings** dialog. Click **OK** to add them to the grid.

🔻 Mappings						- 0	×
Mapping source objects to target	objects						
Source objects			Target objects	Hide mapped to	arget objects		
Type Name	Content type	EmailAddress	Type Name		Content type	EmailAddress	Exchang
P 80c	RBC	RBC	9 RBC		RBC	RBC	R B C
	Mailbox	Clark.Kent@2h2h	> 🛞 2.Alex		Mailbox	AlexW@2h2hx3.	. Office36
① Emma Kent	Mailbox	Emma.Kent@2h2					
Generated Alex     .     .	Mailbox	AlexW@2h2hx3					
			1				
Items: 3		/	Items: 1				/
						2	
					3. 🌮 Map selecte	ed 📄 🕨 Map auton	natically
Assign to group: <pre></pre>	*					File based r	napping
Manninas							
Source	Target	F	Field mapping template	Matc	h probability (%)	SourceEmail Tar	etEmail
P 80C	RBC		880	RBC		88C 88C	
e							>
Items: 0							,
💥 Remove							
						Gamma	
						OK	Cancel

You can also remove the selected mapping by clicking the **Remove** button. In this case, the selected objects will appear again in the Source and Target columns, allowing you to create **new mappings**.



🔻 Mappings									-		×
Mapping source objects to target	objects										
Source objects			Та	arget objects	🗹 Hide ma	pped target object	5				
Type Name	Content type	EmailAddress		Type Name			Content type	Em	nailAddres	ss	Exchang
P REC	R B C	RBC	9	R B C			RBC	88	ic		REC
<ul> <li>Emma Kent</li> </ul>	Mailbox	Emma.Kent@2h2									
③ Generated AlexW@2h2hx3.onmicroso	. Mailbox	AlexW@2h2hx3									
<		>	<								>
Items: 2 Selected: 1			lt	ems: 0 Selected: 1							
							S Map selecte	ed 🚺	≥ Map	automa	itically
Assign to group: <pre><none></none></pre>	*								🕨 File b	ased ma	apping
Mappings											
Source	Target	1	Field n	mapping template		Match probability	(%)	SourceEm	nail	Targe	etEmail
₽ R <mark>B</mark> C	R B C		8 B C			R B C		RBC		RBC	
Olark Kent	AlexW@2h2hx3.onr	nicrosoft.com	None					Clark.Ker	nt@2h2h	AlexV	V@2h2hx
Kame 1											>
Remove									ОК	G	ancel

To use automatic mapping, click the **Map automatically** button, and select the mapping criteria. There are 10 auto-mapping methods available, including the name, email address, display name, identifiers (object ID, entity ID, etc.), address name with prefix (the part before the "@" symbol), match target name with login name, etc. Once the criteria are selected, click the **Start mapping** button, and the objects will be paired automatically.

*Note:* If no matches are found by the auto-mapping, the application will warn you. In this case, the user will need to map the objects manually.



🔻 Mappings		•						-		×
Mapping source objects to target	objects									
Source objects			Targe	et objects	🗹 Hide	mapped target objec	cts			
Type Name	Content type	EmailAddress	T	Гуре М	ame		Content type	EmailAddres	s	Exchang
9 A.C.C	RBC	R B C	۴	1	8 C		RBC	RBC		RBC
<ul> <li>Olark Kent</li> </ul>	Mailbox	🖉 Automatic manni	ing ont	tions	×		Mailbox	AlexW@2h2	2hx3	Office36
Emma Kent     Emma Ken	Mailbox	<ul> <li>Automatic mappin</li> </ul>	ny opt		~					
Generated Alex	. Mailbox	Extract filename from	m the n	oath with	ut extension					
		Select the matching me	ethods							
<		Match name								>
Items: 3		Match email addre.	222							
		Match display nam	ne				An selected	Man	automa	tically
		Match identifiers					<ul> <li>Prop Selected</li> </ul>	P Hup	uatoma	ciculty
Assign to group: <pre></pre>	-	Use heuristics (nam	ne)		00 1 10			File b	ased ma	apping
Mappings		Accept the match	rate q	more tha	99 - 70					
Source	Target	Match email addre	ess with	n prefix		Match probabili	ity (%) Sou	urceEmail	Targe	etEmail
9 RBC	RBC	Match target name	e with l	login nam	e	RBC	RBC		RBC	
		Match target addre	ess with	h source i	1					
		prefix_{0}_								
		Match name with r	mailbo	xDN						
		Match based on dis	stance		1					
			(TO		Ţ					
		ignore the sm	ne uon	num						
		<u> </u>	Start n	nannina	Cancel	1				
		~	Start II	happeng	concer					
Kamer O										>
nem: o										
n Kemove										
								ΟΚ	C	ancel

*Note:* Mapped objects are marked in green in both the source and target grids, while unmapped objects are blue.

It is also possible to map objects based on a **.CSV file**. Click on **File-based mapping** in the Mappings dialog and select the desired file. Specify the property separator. If you want to ignore the first line of text in your file (e.g., header), check the **Ignore first line** checkbox. Then, select the Source and Target properties from the dropdown lists. Click on **Start mapping**. The remaining steps are the same as manual and/or automatic mapping.



¥	Мар	opings			•								- 0	×
N	lapp	oing source obj	ects to target obje	cts										
So	urce ol	bjects				Та	rget obje	rts	🗹 Hide mappe	ed target objec	cts			
	Туре	e Name	Conte	nt type	EmailAddress		Туре	Name			Content type	Em	ailAddress	Exchang
٩		RBC	RBC		RBC	٩		R B C			RBC	R B	c	RBC
•	Ø	Clark Kent	Mailbo	x	Clark.Kent@2h2h	•	Ø	Alex			Mailbox	Ale	exW@2h2hx3	. Office36
	Q	Emma Kent	Mailbo	х	Emma.Kent@2h2									
	0	Generated Alex	. Mailbo	x	AlexW@2h2hx3									
				🔻 File based map	ping options				×					
	_													
<	eme: 3			🔂 Select file										>
"	cins o													
											🌮 Map select	ted	Map autor	atically
As	sign to	group: <no< td=""><td>ne&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>File based n</td><td>napping</td></no<>	ne>										File based n	napping
M	- appina	5												
		Source								ch probabili	ty (%)	SourceEm	ail Targ	getEmail
9	-	8 B C		Separator:	·							RBC	RBC	
				Ignore first line										
				Source property:	Name			$\sim$						
				Target property:	EmailAddress			$\sim$						
							Start r	napping	Cancel					
<														>
It	ems: 0													
2	3	Remove												
													OK	Cancel

Additionally, you can assign the mapping to a **Group** directly from the Mappings tab. Select the desired group from the **Assign to group** dropdown list. By default, only the **Default** group is available in the dropdown list. If you wish to use a different group, new groups need to be created first on the <u>Migration</u> tab.

🔻 M	1appir	ngs												- 0	×
Ma	ppir	ig source o	objects to targe	et objects											
Source	e objec	ts				Tai	rget obje	cts	🗹 Hide maj	pped target object	ts				
Т	уре	Name		Content type	EmailAddress		Туре	Name			Content t	ype	Email	Address	Exchang
9		RBC		8 B C	RBC	٩		RBC			явс		RBC		REC
•	Ø	Clark Kent		Mailbox	Clark.Kent@2h2h	•	Ø	Alex			Mailbox		AlexV	/@2h2hx3	Office36
	Ø	Emma Kent		Mailbox	Emma.Kent@2h2										
	Ø	Generated Ale	ex	. Mailbox	AlexW@2h2hx3										
· ·															
							_					_			
< Item	er 3				7	<  te	eme: 1								7
nem						-									
											<i>🛸</i>	Map selected	1	Map autom	atically
Assia	n to ar		<none></none>											File based n	appina
-ssig/		nap.	<none></none>										-		
Mapp	ungs	Cauraa	Default							Match and all the	(0()		CourseErreil	Tere	- KT 1
		source		-8-	r	leid m	apping t	emplate		Match probability	y (~o)		Sourceemai	Targ	etemaii
<b>T</b>		REIC		REC	B	8 C				RUC			RBC	RBC	
<															>
Item	s: 0														
×	Re	emove													
													OK	(	Tancel



Creating migration group(s) and adding group members

In the next step, we need to **create** a migration group and **associate** our mapped mailboxes with it. Since a migration can only be started at the group level, mailboxes that are not part of a group cannot be processed.

**Group management** makes the migration process more transparent and manageable. It simplifies tracking which mailboxes have already been migrated and helps define priorities – allowing the most important mailboxes to be migrated first.

contentGATE migratio	n - Exchange Online migration		-	×
Active migration: E	xchange Online migration			
Home Source objects	Target objects Mappings Migration			
A Create group	ireate job	Add members		
Remove group	idit job 🔨 📱 Reset bookmarks Job details	Remove members		
Remove group 💥 R	temove job	Add members from CSV		
	Manage groups			~
🍇 Migration m	anagement			
Groups 4	Jobs of group Members of group			
Default (0)	Default job [Default] - Email mig	ration		
	Stopped			
	Start Stop			
	1			 

#### Creating a migration group and adding members

Navigate to the **Migration** tab. Initially, there is a **Default group** available. If you don't want to use the default group, click **Create group** in the toolbar to create a new one.

techarrow		
V contentGATE migration - Exchange Online migration	_	×
Active migration: Exchange Online migration Home Source objects Target objects Mappings Migration		
Image: Create group       Image: Create group<		
Manage groups           Migration management		^
Groups     Jobs of group   Members of group         Default (0)     Default job [Default] - Email migration Stopped       > Start     Stop		
		•

In the **Groups** dialog, enter a group name and add members using the context menu. A pop-up dialog will appear, displaying all available mappings that can be added to the group. Select the desired mappings and click **Select**. Then click the **Create** button.

7	Groups						2
C	reate gi	roup and add	l members				
Gro	up name:	Exchange Online	group				
Men	nbers						
	Source	*	Target	Status	Summary		
ę	RBC		R B C	=	RBC		
			Show group box       Add       Remove				
<							
						Create	Cancel

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7	Groups		·				×
C	Create gro	oup and add	l members				
Gr	oup name:	Exchange Online	group				*
Me	mbers						
	Source	*	Target	Status	Summary		
9	RBC		RBC	=	RBC		
•	Clark Kent		Alex .	None			
<							>
						Create	Cancel

The selected mailboxes will now be added to the **Members of group** grid, as shown in the image below.

🔻 contentGATE migration - Ex	xchange Online migration				_		×
Active migration: Excha	ange Online migration						
Home Source objects Ta	arget objects Mappings	Migration					
Image: Second system     Image: Second system     Image: Second system       Image: Second system     Image: Second system     Image: Second system       Image: Second system     Image: Second system     Image: Second system	e job Q b Job details E Reset bo	Image: Constraints       Image: Constraints         Image: Constra	pers from CSV				
Migration mana	Manage groups						
Default (0)	Source	Target	Status	Summary	Added on		
P Exchange Online	RBC	RBC	-	8 <b>B</b> C	-		_
group (1)		мсл -	. NOIR		10/03/2020 0	7. 10.23	

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At this point, the **Jobs of group** grid is still empty. In the following section, we will learn how to add (email) migration job to the migration group.

🔻 contentGATE migration - Exchange Online migration		_	×
Active migration: Exchange Online migration			
Home Source objects Target objects Mappings Migration	n		
<ul> <li></li></ul>	Add members  Add members  Add members from CSV		^
s Migration management			
Groups 4 Default (0) Exchange Online group (1) Members of group			

Creating migration job(s) to your migration project

A migration job manages the migration process and defines exactly what will be migrated. When migrating from another source to Exchange Online or from Exchange Online to the contentACCESS Email Archive, we recommend selecting the **Email migration** option as the **migration workflow** from the dropdown menu.

A migration job must always be assigned to a migration group. To create a new job:

- 1. navigate to the Migration page
- 2. select the desired **migration group** in the left panel
- 3. click Create job in the toolbar



🔻 contentGATE migration - Exchange Online migration		-	×
Active migration: Exchange Online migratio	on		
Home Source objects Target objects Mappings	1 Migration		
3 Create group	Add members		
Edit job	bookmarks 💥 Remove members		
Remove group Remove job	Add members from CSV		
Manage groups			^
🏂 Migration management			
Groups 4 Jobs of group Members of group			
Default (0)			
2. Exchange Online			
group (1)			
4			

Clicking the Create job button opens the Create new job dialog, where you must:

- name the job
- assign the job to a migration group if created from the Group Management tab, the group is already preselected
- specify the migration workflow multiple options are available from the dropdown menu, but we will need the Email migration option for Exchange Online
- adjust thread performance defaults to the values in the <u>Default project settings</u>, but migration job settings take priority

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₹ contentGATE migration - Exchange Online migration		×
Active migration: Exchange Online migration		
Home Source objects Target objects Mappings	Migration	
Create group Create job Create job Create job Create job Create job Create job Sob details Create group Create job Manage groups	Image: White State Stat	~
🏂 Migration management		
Groups Jobs of group Members of group		
Default (0)		
Exchange Online Volume Jobs	×	
Create new job		
Job name:	Exchange Online to contentACCESS Email archive	
Group:	Exchange Online group 👻	
Migration workflow:	Email migration 🔹	
Reader performance:	2 1 1 1 1 1 1 1 1	
Worker performance:	4	
C C C C C C C C C C C C C C C C C C C	Allow bookmarking	
	Create Cancel	

If the **Allow bookmarking** checkbox is selected, the migration tool will save the progress at the last successfully migrated item. This is useful when handling large datasets or long-running migrations.

Once all configurations complete, you can now start the migration process.

### Starting the migration

The migration job can be started from the **Jobs** grid on the **Migration** page. It can also be **stopped** or **paused** from this grid. If paused, the migration will resume from the point where it was interrupted.

Click on **Start** in the grid and wait for the job to complete the migration process.

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🔻 contentGATE migratic	on - Exchange Online migration	-	×
Active migration: E	xchange Online migration		
Home Source objects	Target objects Mappings Migra	tion	
Create group Create group	idit job Job details	Add members      Ks      K Remove members      Add members from CSV	
	Manage groups		^
Groups 4 Default (0) Exchange Online group (1)	aanagement Jobs of group   Members of group   Exchange Online to contentAC Stopped ↓ Start Stop	CESS Email archive [Exchange Online group] - Email migration	
	¢		>

The current thread activity can also be monitored on the **project's dashboard**.



🔻 contentGATE migration - Exchange Online migration –	×
Active migration: Exchange Online migration	
Home Source objects Target objects Mappings Migration	
Image: Section of the source of the sourc	^
C Dashboard	
Migration details Items migrated - turned off	
Exchange Online migration	
Migration from Exchange Server (Microsoft365) (Exchange Server)	
to contentACCESS Target (Server =localhost:8738) (contentACCESS Target)	
Source objects: 3	
Target objects: 1	
Number of mappings: 1	
Number of jobs: 2	
Current activity	
Active readers: 0, active workers: 1	
2 0 Reading Migrating	

If you try to close the project management interface while one or more migration jobs are still running, the application will prompt the administrator with options:

- Keep them running allows the tasks to complete in the background
- Stop the job(s) halts the migration process



🔻 contentGATE migration - Exchange Online migration		- 🗆 X
Active migration: Exchange Online migration		
Home Source objects Target objects Mappings	Migration	
<ul> <li></li></ul>	Image: Solution of the soluti	
Manage groups		^
Signation management		
Groups Jobs of group Members of group		
Default (0) Exchange Online to con	ntACCESS Email archive [Exchange Online group] - Email mi	igration
Exchange Online Running Last started	3/18/2025 8:00:23 PM.	
group (Ĩ)	Pause	
	🏹 Running jobs	×
	Some jobs are still running in the background.	
	Do you want to keep the jobs running or do you want to stop the jobs?	
	Name Group Wor	kflow
	P         RBC         RBC         RBC	
	Exchange Online to contentACCE Exchange Online cont	ientACCESS
	Keep running	Stop jobs

### Job details

The details of a **job's last run** can be viewed in the **Job details** section, accessible by clicking on the **Job details** option in the **Migration** toolbar. If the job is currently running, its **real-time pro-gress** will be displayed.

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V contentGATE migration - Exchange Online migration	_	Х
Active migration: Exchange Online migration		
Home Source objects Target objects Mappings Migration		
<ul> <li></li></ul>		~
Migration management		
Groups Jobs of group Members of group	_	
Default (0) Exchange Online to contentACCESS Email archive [Exchange Online group] - Email migration Stopped Last started at 3/18/2025 8:00:23 PM Einsted at 3/18/2025 8:00:48 PM		
group (1) Start Stop		
		>

How to access job details:

- 1. select the group containing the desired job
- 2. click Job details to open the Job details window

The Job details window consists of four tabs:

#### 1. Overview

Displays a summary of the job's last run or its current progress.



ኛ Job details								-		×
Job details: Ex	change Online	to contentAC	CESS Email arc	hive						
Overview Report 1	Messages Activity									
Exchange Onlin	e to contentACCE	SS Email archive [	Exchange Online	group] - Email mi	igration					
Running La	ast started at 3/18/202	5 7:57:26 PM.								
Start S	Stop UU Pause	Job started.								
Job progress										
Overall progress:				0.81						
Ohiosta				0 %						
Finished	Failed	Total	Average speed	Current speed	Elapsed time	Migrated size	]			
0	0	1	0.00	0.00	00.00:00:01	0 B				
Items:										
Migrated	Failed	Skipped	Excluded	Total						
	2	0	0	125						
Object progress			Item progre	55						
Finished 0	Failed / Unfinishe	ed 0 📄 Waiting 1		cluded 0 📄 Halled 2	123 Skipped 0					
			_							
									Clo	ose

### 2. Report

Lists source and target objects. Shows total migrated items, as well as filtered, last migrated, and failed items. The data can be sorted by column headers.



¥	Job det	ails				•					_		×
Jo	b deta	ails: I	Exchange	e Online to cont	entACCESS Ema	il archive							
0	verview	Report	Messages	Activity									
	TaskID		Source		Target		Reading completed	Completed	Total	Filtered	Migrated	Fail	ures
٩	=		R B C		RBC		RBC	RBC	R B C	RBC	RBC	A 8 C	
+	1		Clark Kent		AlexW@2h2hx3.onm	icrosoft.com	Yes	Yes	164	164	164	0	
<													*
												Cl	ose

#### 3. Messages

Provides a detailed log of job activities, including

- start time
- pause/stop actions
- number of processed items
- errors and failures (if any)

The message grid consists of the following columns: Type, Date, Text, and Details. Sorting and manual refresh (via the **Refresh** button) are available.



V Job details	-		×
Job details: Exchange Online to contentACCESS Email archive			
Overview Report Messages Activity			
Type Date Text Details			
▶ (i) 18/03/2025 08:21:37 Job was started			
			7
Refresh			
		Clo	ose

### 4. Activity

Displays the progress of **reading** and **working threads**, and shows **batch progress**. The Batch progress table is filled by the reading thread, which groups documents into batches and pre-fills common information.

*Note:* A migration batch is a collection of documents that belong to the same mapping (task).



🔻 Job details					-		×
Job detail	s: E	xchange Online to cont	entACCESS Email archi	ive			
Overview Report Messages Activity							
Activity of	ivity of readers and workers						
		Progress	Info		Details		
	1	0	Reading fi	nished.	Folder: 'Yammer Root\Outbound'. Documents s	so far: 16	64
	2	0	Reading fi	nished.			_
		Batch progress	Info		Details		
	1	0					_
	2	0					_
	3	0					-
	4	U					-
						Clo	se

### Migration report and error handling

A **migration report** is used to document the results of a data migration in a chosen format. Reports can be accessed at any time to verify whether the migration was completed successfully. Reports can be generated for the **entire migration project** or for **specific mapped objects**. The **project-level report** includes the overall migration status, detailed information about item migration for all objects in the project, as well as shortcut migration details. To generate this report, navigate to the Dashboard and click on "Generate migration report" in the toolbar. The **object-level report** provides general information about the selected object, its migration status, and detailed migration data specific to that object.

To create this report, go to the Mappings tab and click on Create report in the toolbar.



🔻 coi	ntentGATE migratio	on - Exchange Onlin	e migration				- 0	Х
Activ	e migration: E	xchange Online	e migratio	n				
Home	Source objects	Target objects	Mappings	Migration				
🕀 Cre	ate 🛛 🚟 Add to	group 📃 Err	or report					
🍃 Edi	t 🔀 Remov	e from group 🔍 She	ow contents	🥔 Reset errors				
💢 Rei	nove 📃 Create	report 🛛 🧀 Org	ganize mapping	S				
		Manage mapping	gs					^
R	Mappings							
	Source			Target	Field mapping template	Creation time	Modification time	
٩	RBC			8 B C	R B C	=	=	
+ (	🕖 Clark Kent		0	Alex	None	18/03/2025 04:40:29	18/03/2025 04:40:2	9
	Rita Williams		0	Diego	None	18/03/2025 08:30:53	18/03/2025 08:30:5	3
	Szilvia Kelemer	1	0	Patti	None	18/03/2025 08:38:29	18/03/2025 08:38:2	9
<	3 Selected: 1							>
100000								

In the Advanced Report Options pop-up window, you can configure how the report will be generated: either as a single report file or as separate files per user. If you choose to generate one file per user, you will need to enter a file name template and select the target folder. Currently, only PDF is supported as the file type.

Advanced report optic	ns —		×
Configure report			
Generate one report fill	e		
Generate one file per u	ser		
File name template:	MigrationReport_%NAME%		
Target folder:			
File type:	PDF -		
	Constato	0	050
	Generate	C	026







🔻 Migrat	ion report	•				-	□ ×
Export To ~	Find First Previous Next Last Page Page Navigation	Many Pages Zoom Out Zoom In Zoom					
	General information Source object : Target object : Migration status	Clark Kent Alex Wilber					
		Items         91           ∅ Migrated :         91           ◙ Failed :         0           ◙ Excluded :         0           ◙ Remaining :         0           ♣ Size :         6.078 MB					
	Migration details		Migrated items	Excluded items	Total size	Failed items	
	Filter01		15	0	792.00 KB	0	
	Filter02		2	0	124.00 KB	0	
	HTML		7	0	356.00 KB	0	
	Journal		50	0	2.91 MB	0	
	JournalTest		3	0	724.00 KB	0	
	Кеер		2	0	96.00 KB	0	
	LBA Test001		б	0	304.00 KB	0	
	TestAAA		4	0	764.00 KB	0	
	Test888		2	0	80.00 KB	0	
•							Þ
Page 2 of 3					94%		+

Reports can be saved in various formats, including PDF, HTML, MHT, RTF, XLS, XLSX, and several image file formats.

#### **Error Handling**

To better track and manage errors, the Mappings tab provides two essential tools.

The **Error Report** function saves migration failures or errors related to a selected mapping. The report is generated in CSV format and can be created by clicking the **Error report** button in the Mappings tab.



🔻 contentGATE migration - Exchange Online m	nigration			– 🗆 X
Active migration: Exchange Online m	nigration			
Home Source objects Target objects	Mappings Migration			
🕒 Create 🛛 🕸 Add to group 📃 Error r	eport			
😡 Remove from group 🔍 Show o	contents 🧼 Reset erro	ors		
💥 Remove 📃 Create report 🛛 👶 Organi	ize mappings			
Manage mappings				^
🧒 Mappings				
Source	Target	Field mapping template	Creation time	Modification time
9 8 <u>8</u> C	8 B C	8 <b>0</b> C	=	=
Olark Kent	① Alex	None	18/03/2025 04:40:29	18/03/2025 04:40:29
Rita Williams	① Diego	None	18/03/2025 08:30:53	18/03/2025 08:30:53
③ Szilvia Kelemen	Patti     Patti	None	18/03/2025 08:38:29	18/03/2025 08:38:29
<				>
Items: 3 Selected: 1				

In the Advanced failure report options pop-up window, you can configure how the report will be generated: either as a single report file or as separate files per user. If you choose to generate one file per user, you will need to enter a file name template and select the target folder. The report is generated in CSV format.

🔻 Advanced failure repo	ort options —	×
Configure failure report		
Generate one report fill	le	
◯ Generate one file per u	ser	
File name template:	MigrationReport_%NAME%	
Target folder:		
File type:	CSV ~	
	Generate Clo	se

The **Reset Errors** function is used to reset shortcut migration errors. This is especially helpful if shortcuts no longer exist in the mailbox but still appear in the migration report. To reset the errors, click the **Reset errors** button.



Active migration: Exchange Online migration         two       Source dysets       Target dysets       Mappings         With two       Source dysets       Target dysets       Readown on the source dysets         Source       Greate report       Source       Target       Field mapping template       Creation time         Manage mappings       Maringe mappings       Maringe mappings       Image mappings       Image mappings         Source       Target       Field mapping template       Creation time       Modification time         Image mappings       Greater report       Greater report       Image mappings       Image mappings         Source       Target       Target       Field mapping template       Creation time       Modification time         Image mappings       Greater report       Greater report       Image mappings       Image mappings         Source       Target       Operation       None       18/03/2025 06:30:33       18/03/2025 06:30:33         Image mappings       Image mappings       None       18/03/2025 06:30:29       18/03/2025 06:30:29       18/03/2025 06:30:29         Image mappings       Image mappings       None       18/03/2025 06:30:29       18/03/2025 06:30:29         Image mappings       Image mappings       Image mappings	🔻 contentGATE migration - Exchange Online migrati	ion			- 0	×	
Home       Source objects       Target objects       Mappings       Mappings         Create       Add to group       Error report         Create       Create report       Source       Create report         Create       Create report       Create report       Creation time         Manage mappings       Manage mappings       Mappings         Source       Target       Fed mapping template       Creation time         V       OR       Add No mone       1803/2025 06-40:29         Items:       Stative Kelemen       V       Aeria       None       1803/2025 06-30:33       180/03/2025 06-30:33         V       OR       Rative Millions       V       Pattel       None       18/03/2025 08-30:33       18/03/2025 08-30:29         V       OR       Rative Millions       V       Pattel       None       18/03/2025 08-30:29       18/03/2025 08-30:29         V       OR       Stative Kelemen       V       Pattel       None       18/03/2025 08-30:29       18/03/2025 08-30:29         V       Stative Kelemen       V       Pattel       None       18/03/2025 08-30:29       18/03/2025 08-30:29         V       Pattel       None       18/03/2025 08-30:29       18/03/2025 08-30:29       18/03/2	Active migration: Exchange Online migra	ation					
C Create  Add to group  C Evate report C Remove from group  C Grante mappings  Manage mapp	Home Source objects Target objects Mappin	ngs Migration					
Edit      Remove from group      Source transprings      Manage mappings      Manage mappings      Manage mappings      Manage mappings      Manage mappings      Manage mappings      Source      Target      Field mapping template      Creation time      Modification time        O      Gark Kent      Go Alex      None      18/03/2025 08:30:53      18/03/2025 08:33:29      18/03/2025 08:33:29      18/03/2025 08:33:29      Isolate Kelmen      Mone      18/03/2025 08:33:29      18/03/2025 08:33:29      Isolate Kelmen      Mone      Isolate Kelmen      Isolate Kelmen      Isolate Kelmen      Isolate Kelmen      Isolate Kelm	🚯 Create 🛛 🕸 Add to group 📃 Error report						
Remove Create report Container mappings Manage mappings    Source Target   Gic Uic   Uic Uic   Ui	☑ For a state of the state	nts 🥔 Reset errors					
Manage mappings         Source       Target       Field mapping template       Creation time       Modification time         Image mappings       Image mapping template       Creation time       Modification time         Image mappings       Image mappings       Image mapping template       Creation time       Modification time         Image mappings       Image mappings       Image mappings       Image mappings       Image mappings         Image mappings       Image mapping template       Creation time       Modification time       Image mappings         Image mappings       Image mapping template       Image mapping template       Creation time       Modification time         Image mappings       Image mapping template         Image mappings       Image mapping template       Image mapping template </td <td>🞇 Remove 📃 Create report 🛛 👶 Organize ma</td> <td>ppings</td> <td></td> <td></td> <td></td> <td></td>	🞇 Remove 📃 Create report 🛛 👶 Organize ma	ppings					
Source         Target         Field mapping template         Creation time         Modification time           Image: Im	Manage mappings					^	
Source         Target         Field mapping template         Creation time         Modification time                • IC             • all             • all	🥏 Mappings						
*         • IC         · IC <th td="" ·<=""><td>Source</td><td>Target</td><td>Field mapping template</td><td>Creation time</td><td>Modification time</td><td></td></th>	<td>Source</td> <td>Target</td> <td>Field mapping template</td> <td>Creation time</td> <td>Modification time</td> <td></td>	Source	Target	Field mapping template	Creation time	Modification time	
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Image:	Olark Kent	Alex	None	18/03/2025 04:40:29	18/03/2025 04:40:29	э	
Image: Contract of the second secon	Rita Williams	Diego	None	18/03/2025 08:30:53	18/03/2025 08:30:53	3	
Itens: 3 Selected: 1	③ Szilvia Kelemen ②	Patti	None	18/03/2025 08:38:29	18/03/2025 08:38:29	9	
< Items: 3 Selected: 1							
Items: 3 Selected: 1			_			2	
	Items: 3 Selected: 1						

### A confirmation pop-up will appear – click **Reset** to finalize the process.

₩ Reset migration errors —		×
Reset options		
Reset shortcut migration errors. If the shortcut migration found shortcuts which have failed, but they no longer exist, the migration report still calculates them as failures.	Res	set
	CI	lose

