



BANQUE CENTRALE DU LUXEMBOURG
EUROSYSTÈME

Target Consolidation Training

Virtual Info session n°5 on CRDM reference data

2021-11-22

9h30 – 12h

WEBEX EVENT

CRDM reference data - Basics of static data (parties, accounts, users, roles)



Event rules

Join Event Now

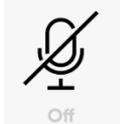
To join this event, provide the following information.

First name:

Last name:

Email address:

Event password:



6. Q&A

- Make sure you respect the naming convention
 - First name = Full name (first name + last name)
 - Last name = Bank name
 - Email = Professional email address
- Camera off by default
- Microphone off by default
- Questions allowed in the chat or by raising hand
 - In case of too many questions, send your question to Target.conso@bcl.lu
- Do not forget to lower hand after having asked a question

Training agenda

TARGET CONSOLIDATION PROJECT BCL Training sessions for future MCA holders in Luxembourg 2021 Program							
	What ?		When ?	How long ?	Who attends ?		
n°	Topic	details	Event Date 2021	Session format	Configuration A A2A + U2A	Configuration B U2A only	Configuration C Co-managed
1	Registration forms	How to fill in the form and send it to the BCL ?	28-sept Postponed	1h morning Session	YES	YES	YES
2	Connectivity	Focus on connectivity testing and upcoming milestones	28-sept	1h morning Session	YES	YES	NO
3	Introduction - Basic concepts	Vision 2020, ESMIG, A2A vs U2A, MCA vs DCA	17-nov	1h morning Session	YES	YES	YES
4	Introduction - Business day	New Business day in TARGET services	17-nov	1h morning Session	YES	YES	Optional
5	CRDM Reference data - Basics	Account details and how to create users ? How to assign roles and privileges ?	22-nov	1h morning Session	YES	YES	NO
6	CRDM Reference data - Configuration	How to configure my account ? How to set-up reports and messages ?	22-nov	1h morning Session	YES	YES	NO
7	CLM - Liquidity management	How do I manage my liquidity in CLM?	23-nov	1h morning Session	YES	YES	NO
8	CLM - CB services	Central bank services: Minimum reserves, Standing Facilities, etc	23-nov	1h morning Session	YES	YES	NO
9	CLM - ISO 20022 messages	Focus on CLM ISO 20022 key messages	23-nov	1h morning Session	YES	NO	NO
10	RTGS - Liquidity management	How to manage liquidity on RTGS? Interaction with other services	24-nov	1h morning Session	YES if RTGS	YES if RTGS	NO
11	RTGS - Payments	How do I instruct a payment?	24-nov	1h morning Session	YES if RTGS	YES if RTGS	NO
12	RTGS - ISO 20022 messages	Focus on RTGS ISO20022 key messages	24-nov	1h morning Session	YES if RTGS	NO	NO
13	Testing and migration	Testing and migration in 2022	25-nov	1h morning Session	YES	YES	NO
14	Additional features	Billing, datawarehouse	25-nov	1h morning Session	YES	YES	NO
15	Co-management	Focus on co-manager activities	26-nov	1h morning Session	YES if co-manager	YES if co-manager	Optional
16	Co-management	Focus on co-managees activities	26-nov	1h morning Session	Optional	Optional	YES

Agenda

0. Welcome
1. Introduction
2. Party
3. Accounts
4. Access rights and user creation



1. Introduction

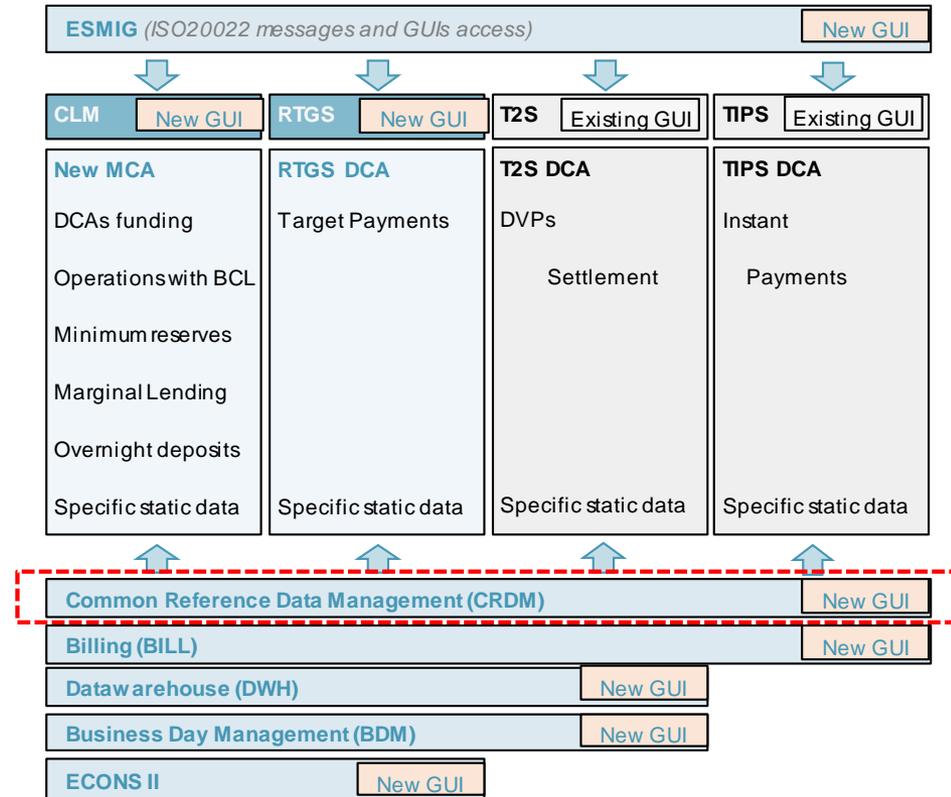
1. Introduction

What is CRDM?

CRDM

Common Reference Data Management

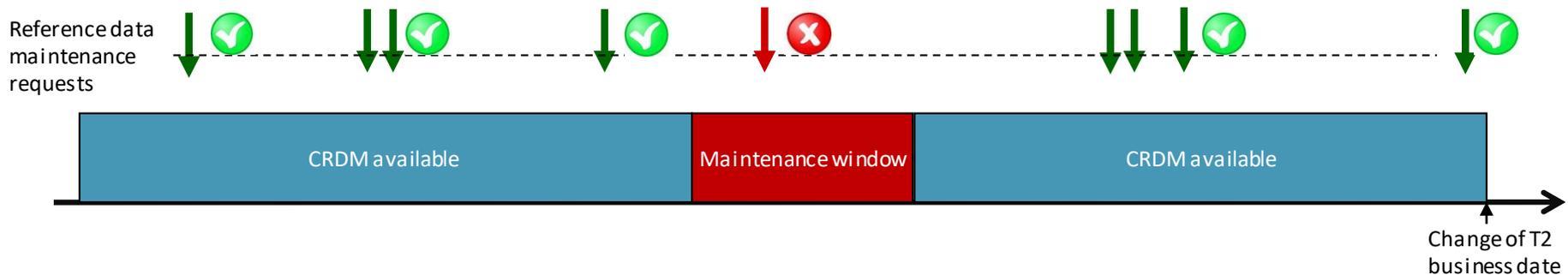
- Common component which allows to maintain common reference data used by the several Target services and components
- **Single access point** for the creation, update and deletion of the reference data relevant for T2.
- Each CRDM actor can view data and use CRDM functions belonging to their scope and based on their access rights profile.



1. Introduction

Access to CRDM

- Participants can **access CRDM**:
 - In **U2A mode** for full maintenance of all reference data objects* they have access to
 - In **A2A mode** for a limited number of reference data objects that will be detailed during the two presentations on CRDM
- CRDM follows the **T2S business day** and CRDM functions are available throughout the settlement day, with the exception of the **technical maintenance window**.

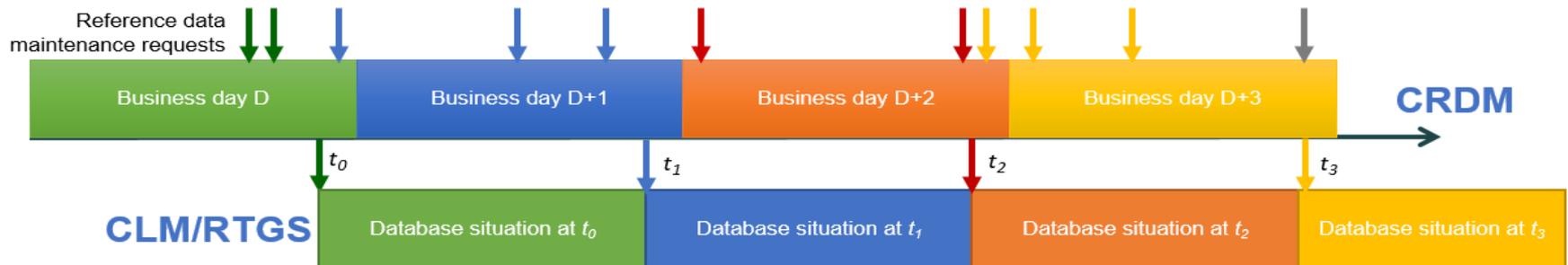


*A reference data object is a set of logically related, self-consistent information.
Parties and cash accounts are examples of common reference data objects.

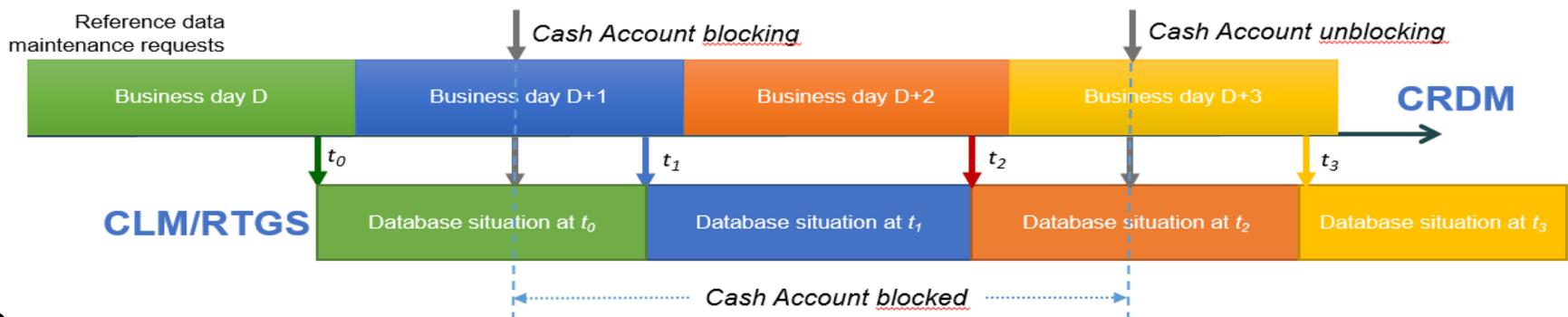
1. Introduction

Data propagation

- CRDM functions are available throughout the business day but changes are made available to CLM/RTGS on a daily basis,



- The only types of reference data updates that are propagated with immediate effect are **blocking and unblocking operations** (performed by central banks) on Parties and Cash Accounts.

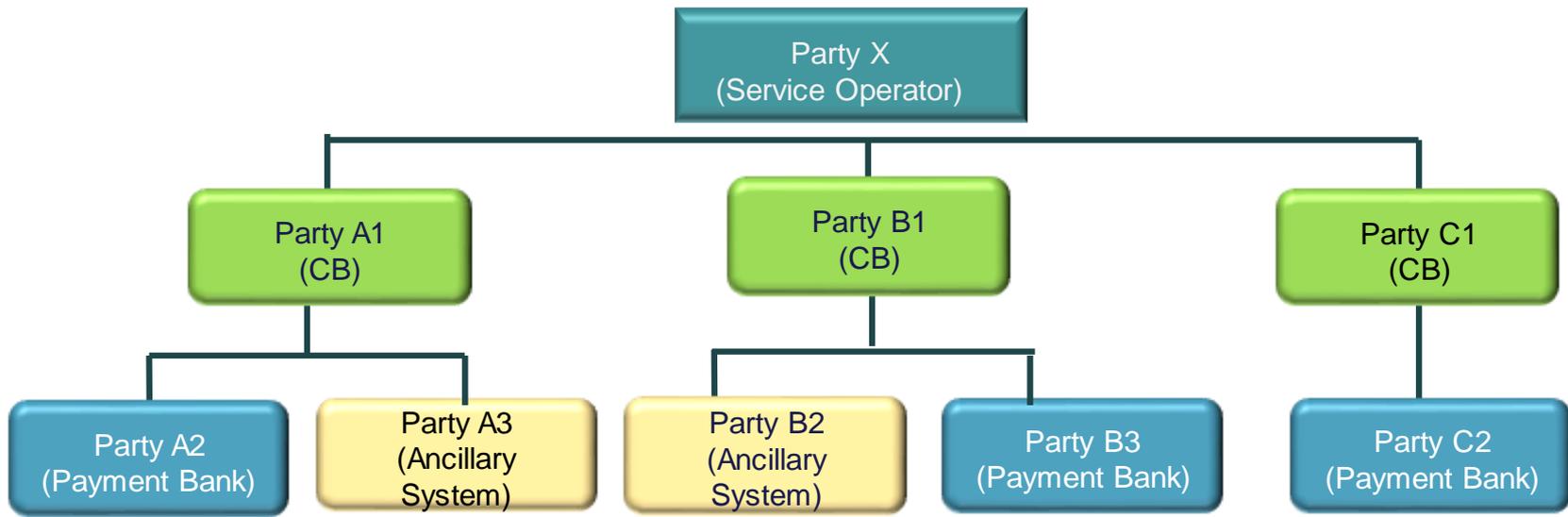




2. Party

2. Party

- A **Party** represents any institution defined in CRDM
- Parties follow a **hierarchical model** determining their reference data scope
- The **Party Types** relevant for T2 are Central Bank, Payment Bank and Ancillary System
- Payment banks and ancillary systems are created in CRDM by the central banks



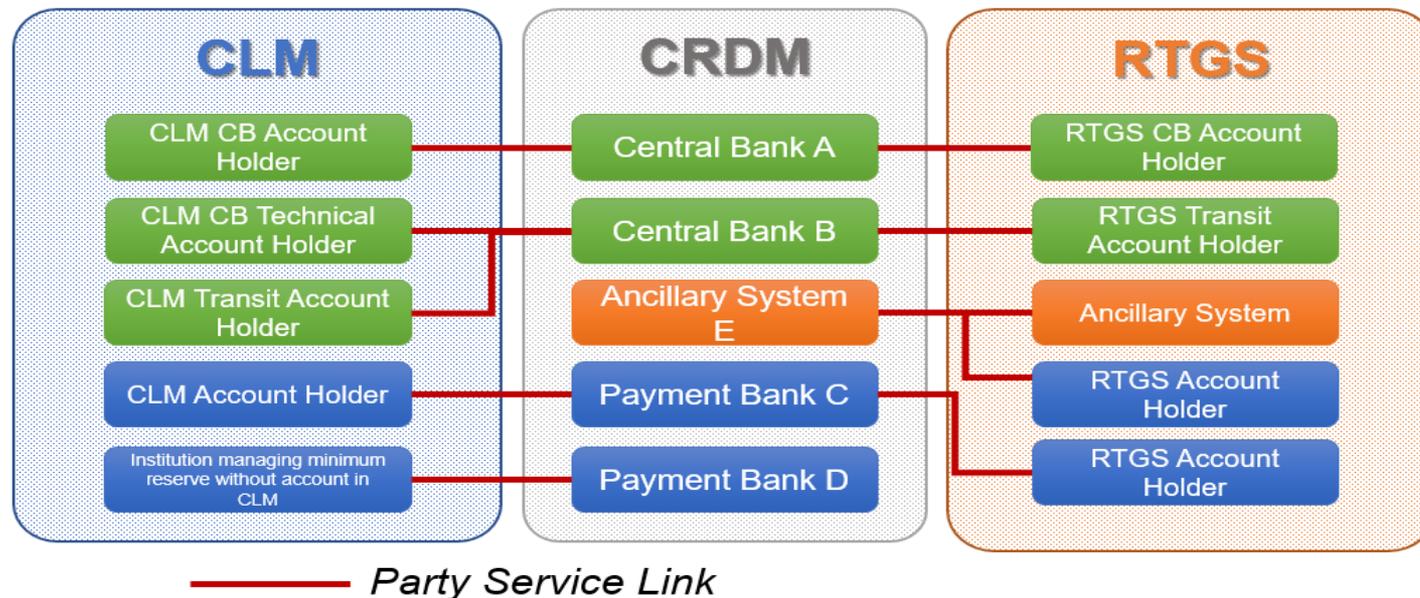
2. Party

- Each **Central Bank** is identified by the BIC of the Operator plus its own BIC,
- Each **Payment Bank** is identified by the BIC of its Central Bank plus its own BIC,
- T2 requires each party to be identified with a valid and **unique BIC11***.
Therefore, even if multiple Parties with the same BIC can exist in CRDM, at any given point in time only one of each can participate in T2.
For example, if a bank has to be set – up as party under two central banks, it will need **two different BIC11s** for this purpose.

**This is different from the T2S principle where a party uniqueness is on the couple (parent BIC; party BIC)*

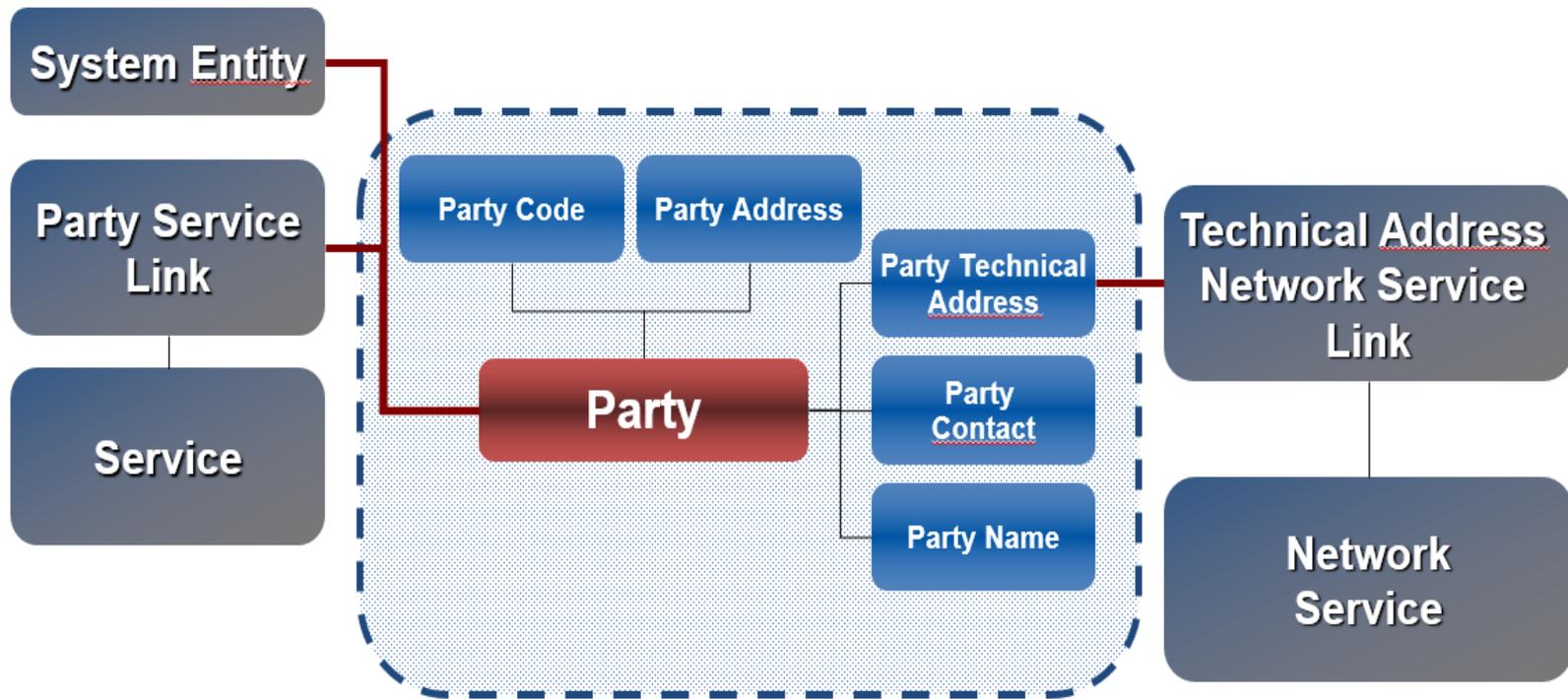
2. Party

- Each Party is defined once in CRDM and can be linked to the different Services/components it uses via a **Party Service Link**.
- When defining a Party Service Link, each Party takes on a Service/component-specific **Service Party Type**.



2. Party

Global overview



2. Party

How to retrieve party details in CRDM

U2A

- Parties – Search/List Screen

Screen Access

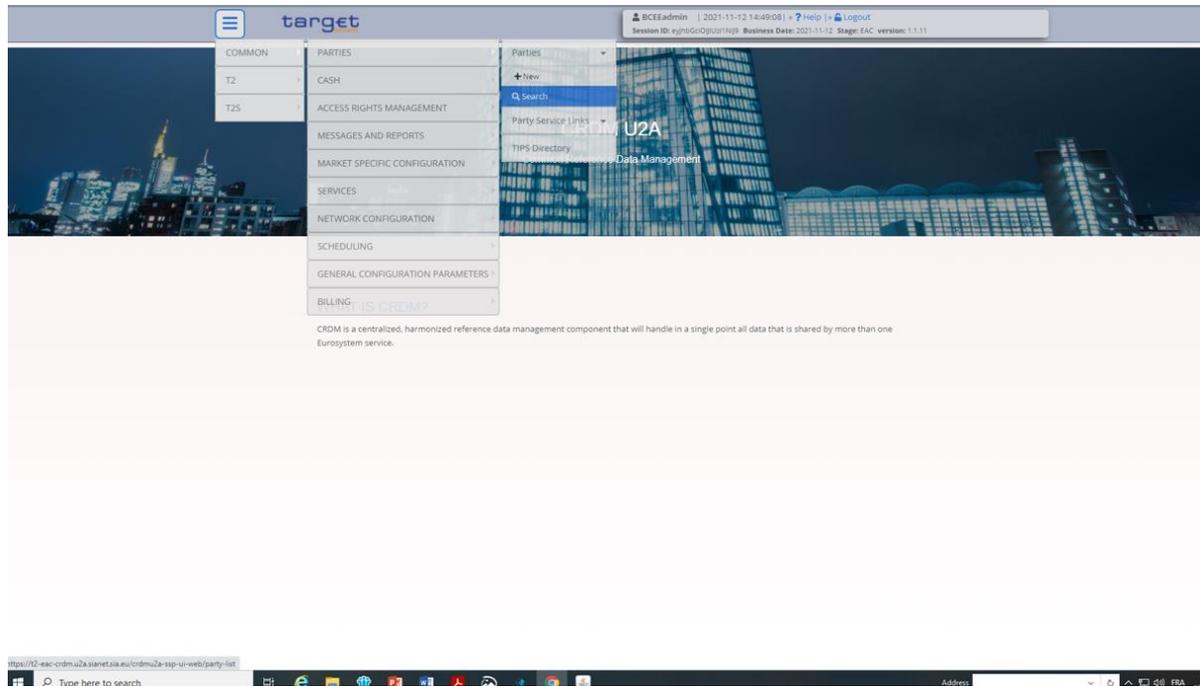
Common >> Parties >> Parties >> Search

Privileges

Party list query

Party reference data query

Screenshots



2. Party

How to retrieve party details in CRDM

U2A

Enter the selection criteria (Parent BIC is a mandatory field) and click on the search button.

The screenshot shows the 'PARTIES' search interface in the target CRDM. The search criteria are as follows:

- Status: Active
- Opening Date From: yyyy-mm-dd
- Closing Date From: yyyy-mm-dd
- Party Type: All
- Parent BIC: BCLXLULLXX
- Opening Date To: yyyy-mm-dd
- Closing Date To: yyyy-mm-dd
- BIC: (empty)
- LEI: (empty)
- Short Name: (empty)

The search results table is shown below the criteria:

Status	Opening Date	Closing Date	Type	Parent BIC	BIC	LEI	Short Name
Active	2015-09-18	9999-12-31	Payment Bank	BCLXLULLXX	BCEELULLXX	R7CQUF1DQM73HUT	BCEE

Total rows: 1

2. Party

How to retrieve party details in CRDM

U2A

• Party – Details Screen

Screen Access	<i>Common >> Parties >> Parties >> Parties – search/list screen >> Click on the search and/or details button</i>
Privileges	Party reference data query Technical address network service link details query

2. Party

How to retrieve party details in CRDM

U2A

The screenshot displays the 'PARTIES' search interface in the Target Services CRDM. The top navigation bar includes the Target Services logo, user information (BCEEadmin), session ID, business date, stage, and version. The breadcrumb trail shows 'Common > Parties > Parties > Search'. The search criteria are as follows:

- Status: Active
- Opening Date From: yyyy-mm-dd
- Opening Date To: yyyy-mm-dd
- Closing Date From: yyyy-mm-dd
- Closing Date To: yyyy-mm-dd
- Party Type: All
- Parent BIC: BCLXLULLXXX
- BIC: (empty)
- LEI: (empty)
- Short Name: (empty)

Buttons for 'Search', 'Reset', and '+ New' are visible. The results table below shows one active party:

Status	Opening Date	Closing Date	Type	Parent BIC	BIC	LEI	Short Name
Active	2015-09-18	9999-12-31	Payment Bank	BCLXLULLXXX	BCEELULLXXX	R7CQUF1DQM73HUT	BCEE

On the right side, there is a vertical toolbar with icons for Edit, Delete, Restore, Details, and Revisions.

Total rows: 1

2. Party

How to retrieve party details in CRDM U2A

The screenshot displays the 'PARTY DETAILS' page in the Target Services CRDM U2A application. The page header includes the user 'BCEAdmin', session ID, business date, stage, and version. The navigation breadcrumb shows 'Common > Parties > Parties > Search > Details'. The main content area is titled 'PARTY DETAILS' and contains the following information:

Status: Active
Parent BIC: BCLXLULLXX Closing Date: 9999-12-31
Opening Date: 2015-09-18 LEI: R7CQF1DQM73HUTV1078
Party Type: Payment Bank

On the right side, there is a vertical toolbar with icons for Edit, Delete, Restore, Revisions, Cash Accounts, and Technical Address Network Services Links.

Party Code

Valid From	BIC	Status
2015-09-18	BCEELULLXXX	Active

Total rows: 1

Party Name

Valid From	Long Name	Short Name
2015-09-18	Banque et Caisses d'Epargne d'Etat	BCEE

Total rows: 1

Party Address

Valid From	Street	House Number	Postal Code	City	State or Province	Country Code
2015-09-18	Place de Metz	1	L-1930	Lxembourg		LU

2. Party

How to retrieve party details in CRDM

U2A

The screenshot displays the Target Services CRDM interface. At the top, the user is logged in as BCEEadmin on 2021-11-12 15:07:29. The session ID is eyJhbGciOiJIUzI1NiIsInR5cCI6IkpzZW50L3VzZXQ6IjE5LjE1LjE1. The breadcrumb navigation shows: Common > Parties > Parties > Search > Details. The main content area is divided into several sections:

- Party Technical Address List:** Contains one technical address: `cn=bcl-03,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu`. Total rows: 1.
- Auto-Collateralisation Rule:** Empty section.
- Market Specific Attributes:** Empty section.
- Party Restriction List:** A table with columns: Restriction Type, Valid From, Valid To. It shows "No Rows To Show". Total rows: 0.
- Party Contact:** A table with columns: Name, Position, Valid From, Valid To, Office Tel. Num., Mobile Num., E-mail Address. It shows "No Rows To Show". Total rows: 0.

On the right side, there is a vertical toolbar with icons for: Edit, Delete, Restore, Revisions, Cash Accounts, and Technical Address Network Services Links.

2. Party

How to retrieve party details in CRDM

U2A

- **Technical Addresses Network Services Link – Details Screen**

Screen Access *Common >> Parties >> Parties >> Parties – search/list screen >> Click on the search and/or details button >> Party – details screen >> Click on the technical address network services links button*

Privileges Technical address network service link details query

target SERVICES

BCEAdmin | 2021-11-16 08:57:25 | ? Help | Logout
Session ID: eyJhbGciOiJIUzI1NiJ9 Business Date: 2021-11-16 Stage: EAC version: 1.1.11

Common > Parties > Parties > Search > Details > Technical Address Network Services Links

TECHNICAL ADDRESSES NETWORK SERVICES LINKS

Status	Technical Address	Network Service
Active	cn=bcl-03,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu	T2CLM.SIA-COLT.FILESNF
Active	cn=bcl-03,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu	T2CLM.SIA-COLT.MSGSNF
Active	cn=bcl-03,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu	T2CLM.SIA-COLT.MSGRT
Active	cn=bcl-03,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu	T2RTGS.SIA-COLT.FILESNF
Active	cn=bcl-03,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu	T2RTGS.SIA-COLT.MSGSNF
Active	cn=bcl-03,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu	T2RTGS.SIA-COLT.MSGRT
Active	cn=bcl-03,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu	T2CRDM.SIA-COLT.FILESNF
Active	cn=bcl-03,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu	T2CRDM.SIA-COLT.MSGSNF

Total rows: 15

Revisions

2. Party

How to retrieve party details in CRDM

U2A

- Party Service Link – Search/List Screen

Screen Access Common >> Parties >> Party Service Links >> Search

Privileges Party-Service Link List query

PARTY SERVICE LINK LIST

Status: Active

Parent BIC: BCLXLULLXXX Party BIC: BCEELULLXXX [Party](#)

Service: All Party Type for service: All

Valid From: From yyyy-mm-dd Valid From: To yyyy-mm-dd

Valid To: From yyyy-mm-dd Valid To: To yyyy-mm-dd

[Search](#) [Reset](#) [+ New](#)

Status	Parent BIC	Party BIC	Service	Party Type For Service	Valid From	Valid To
Active	BCLXLULLXXX	BCEELULLXXX	T2 RTGS COMPONENT	RTGS Account Holder	2021-06-22	9999-12-31
Active	BCLXLULLXXX	BCEELULLXXX	T2 CLM COMPONENT	CLM Account Holder	2021-06-22	9999-12-31

[Edit](#)
[Delete](#)
[Restore](#)
[Details](#)
[Revisions](#)

Filtered rows: 2 (total rows: 4)

2. Party

How to retrieve party details in CRDM

U2A

target
services

BCEEAdmin | 2021-11-12 16:54:02 | » ? Help | » Logout
Session ID: eyJhbGciOiJIUzI1NiJ9 Business Date: 2021-11-15 Stage: EAC version: 1.1.11

2
Home
Common
Parties
Party Service Links
Search
Details

PARTY SERVICE LINK DETAILS

Status:	Active	Party Type:	Payment Bank
Parent BIC:	BCLXLULLXX	Party BIC:	BCEELULLXX
Service:	T2 CLM COMPONENT	Party Type for Service:	CLM Account Holder
Valid From:	2021-06-22	Valid To:	9999-12-31

CLM Configuration Data

							Leading CLM Account...						
Overn...	Margi...	Mini...	Intrad...	Instit...	U2A ...	MFI ...	Pare...	Party ...	Euros...	Maxi...	CB a...	CB a...	CB a...
Yes	Yes	Direct	Yes	S1221	No	LUB00001	BCLXLULL	BCEELULL	No				

Total rows: 1

Edit

Delete

Restore

Revisions

2. Party

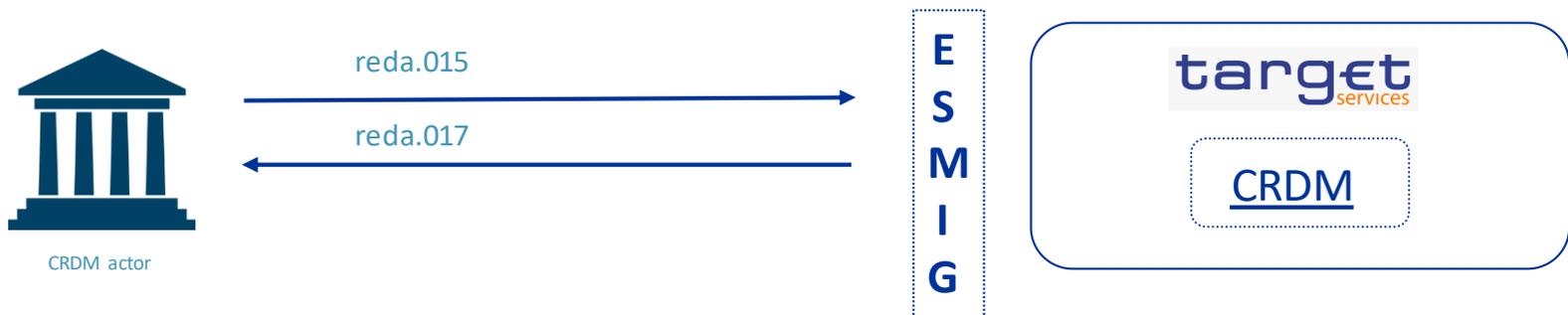
How to retrieve party details in CRDM

A2A

- The following messages are used to retrieve party details in A2A

Message type	Use case	Sent by
reda.015 PartyQuery	Party reference Data query	Business sender
reda.017 PartyReport	Party Reference Data Response	CRDM

- Detailed information is available in the CRDM UDFS Section 3.1. List of messages

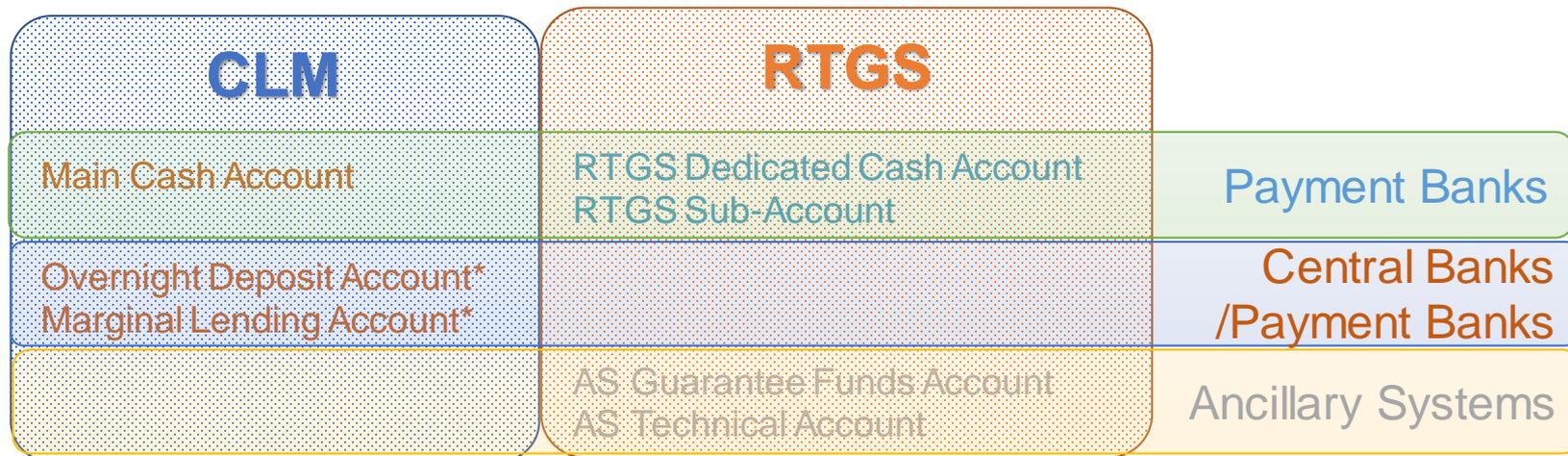




3. Accounts

3. Accounts

- Cash accounts types for payment banks



- Cash accounts for payment banks and ancillary systems are created in CRDM by their home central bank.

3. Accounts

- Specific types of Cash Accounts contain **links** towards other types of Cash Accounts

RTGS Sub-Account → RTGS DCA (*DCA related to the sub-account*)

Overnight Deposit Account → Main Cash Account (*MCA of the Account holder authorised to instruct on the account*)

Marginal Lending Account → Main Cash Account (*MCA of the Account holder authorised to instruct on the account*)

- Main Cash Accounts and RTGS DCA can be linked in 1:1 relationships through the **Associated LT Account** attribute in order to enable automated Liquidity Transfers between them.
- Cash Accounts contain attributes for **minimum reserve configuration**.

3. Accounts

- Cash Accounts contain attributes for the definition of **floor/ceiling** configurations.
 - Floor threshold
 - Ceiling threshold
 - Target amount after breaching floor
 - Target amount after breaching ceiling
 - Notification flag for floor breach
 - Notification flag for ceiling breach

- In addition it is possible to configure **Rule-Based Liquidity Transfer Orders** to automatically transfer liquidity from one account to another in the event of a floor or ceiling breach.

3. Accounts

- The **Authorised Account User (AAU)** object in CRDM allows to define an Account BIC that will identify an account.
- Without an Account BIC stored in the AAU object, Cash Accounts cannot be used in CLM/RTGS
- RTGS Cash Accounts may have **multiple AAUs** which can be defined as Multi-addressee, Addressable BIC and Indirect participation in RTGS
- The AAU (Account BIC or Multi-Addressee BIC) is used for the **routing of outbound communication** (e.g. credit transfers) for that account



3. Accounts

How to retrieve account details in CRDM

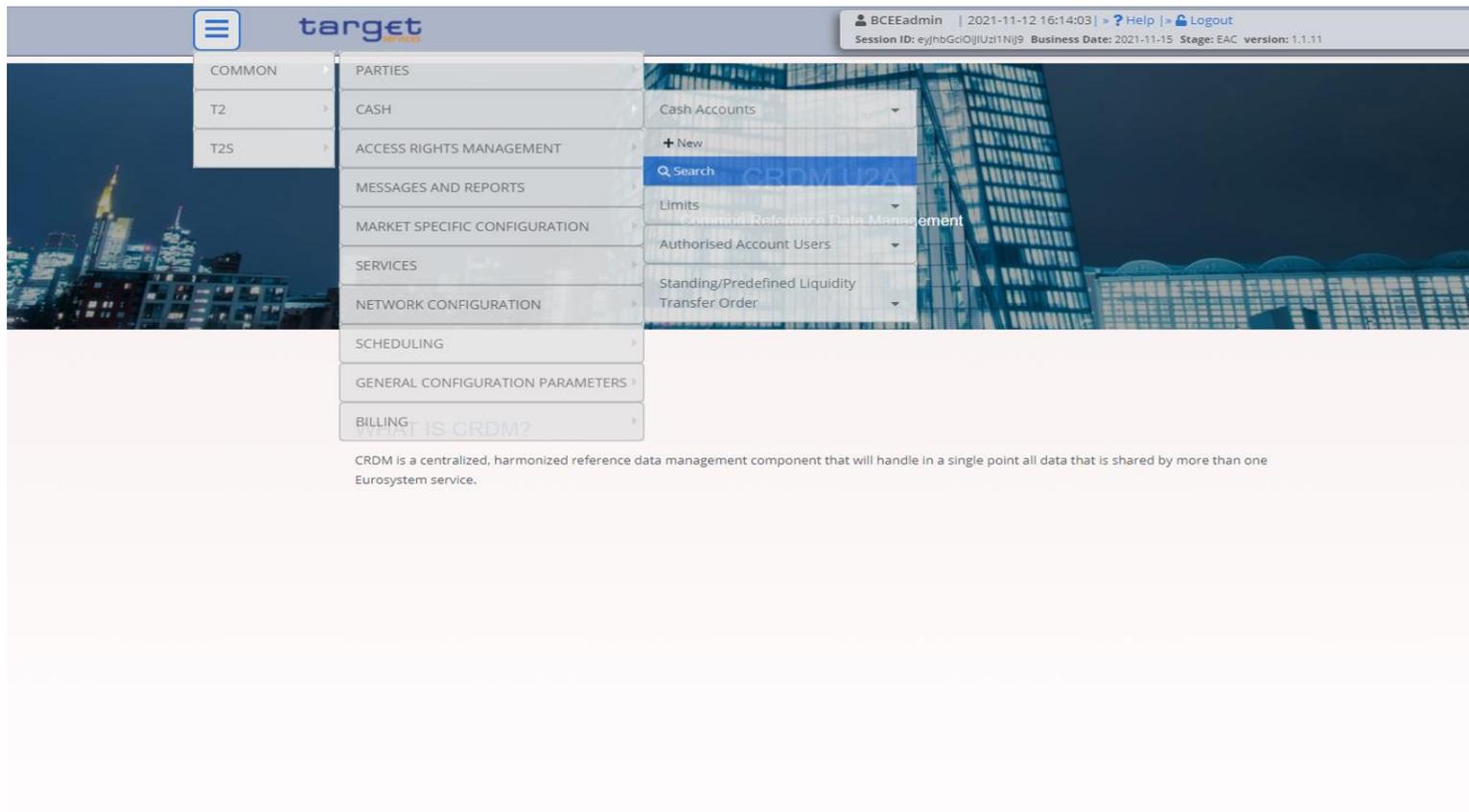
U2A

- **Cash Accounts – Search/List Screen**

Screen Access Common >> Cash >> Cash Accounts >> Search

Common >> Parties >> Parties >> Parties – search/list screen >> Click on the search and details button >> Click on the cash accounts button

Privileges Cash Account list query - Cash Account reference data query



3. Accounts

How to retrieve account details in CRDM

U2A

target services

BCEAdmin | 2021-11-12 16:16:13 | ? Help | Logout
Session ID: eyJhbGciOiJIUzI1NiJ9 Business Date: 2021-11-15 Stage: EAC version: 1.1.11

Common > Cash > Cash Accounts > Search

CASH ACCOUNT LIST

Status: Active

Cash Account Number:

Account Type: All

Linked Account Type: All

Linked Account:

Parent BIC: Choose BIC

Party BIC: Choose BIC

Party Type: All

Currency: All

Opening Date From: yyyy-mm-dd

Opening Date To: yyyy-mm-dd

Closing Date From: yyyy-mm-dd

Closing Date To: yyyy-mm-dd

Search Reset + New

Status	Cash ...	Account Type	Linked A...	Linked A...	Parent ...	Party BIC	Party Sh...	Party Type	CUR	Opening...	Closing ...
Active	MLUEURBCE	Main Cash Account			BCLXLULLXX	BCEELULLXX	BCEE	Payment Bank	EUR	2021-06-22	9999-12-31
Active	MLUEURCCP	Main Cash Account			BCLXLULLXX	CCPLLULLXX	POST Luxemb	Payment Bank	EUR	2021-06-23	9999-12-31
Active	RLUEURBCEE	RTGS Dedicated C	Cash Account	MLUEURBCE	BCLXLULLXX	BCEELULLXX	BCEE	Payment Bank	EUR	2021-06-22	9999-12-31

Filtered rows: 3 (total rows: 6)

3. Accounts

How to retrieve account details in CRDM

U2A

target SERVICES

BCEEadmin | 2021-11-12 16:16:13 | ? Help | > Logout
Session ID: eyJhbGciOiJIUzI1NiJ9 Business Date: 2021-11-15 Stage: EAC version: 1.1.11

Common > Cash > Cash Accounts > Search

CASH ACCOUNT LIST

Status: Active

Cash Account Number: Account Type: All

Linked Account Type: All Linked Account:

Parent BIC: Choose BIC Party BIC: Choose BIC

Party Type: All Currency: All

Opening Date From: yyyy-mm-dd Opening Date To: yyyy-mm-dd

Closing Date From: yyyy-mm-dd Closing Date To: yyyy-mm-dd

Search Reset + New

Status	Cash ...	Account Type	Linked A...	Linked A...	Parent ...	Party BIC	Party Sh...	Party Type	CUR	Opening ...	Closing ...
Active	MLUEURBCE	Main Cash Account			BCLXLULLXX	BCEELULLXX	BCEE	Payment Bank	EUR	2021-06-22	9999-12-31
Active	MLUEURCCP	Main Cash Account			BCLXLULLXX	CCPLLULLXX	POST Luxemb	Payment Bank	EUR	2021-06-23	9999-12-31
Active	RLUEURBCE	RTGS Dedicated C	Cash Account	MLUEURBCE	BCLXLULLXX	BCEELULLXX	BCEE	Payment Bank	EUR	2021-06-22	9999-12-31

Filtered rows: 3 (total rows: 6)

- Edit
- Delete
- Restore
- Details
- Revisions

3. Accounts

How to retrieve account details in CRDM

U2A

target
services

BCEEAdmin | 2021-11-12 16:38:19 | [? Help](#) | [Logout](#)
Session ID: eyJhbGciOiJIUzI1NiJ9 Business Date: 2021-11-15 Stage: EAC version: 1.1.11

2
Common
Cash
Cash Accounts
Search
Details

CASH ACCOUNT DETAILS

Status: Active

Opening Date: 2021-06-22

Account Type: Main Cash Account

Parent BIC: BCLXLULLXXX

Party Short Name: BCEE

Floor notification Amount:

Linked Cash Account:

Cash Account Number: MLUEURBCEELULLXXXB00001CLMEACBCEE

Closing Date: 9999-12-31

Currency: EUR

Party BIC: BCEELULLXXX

Party Type: Payment Bank

Ceiling notification Amount:

Account Threshold Configuration

Target Amount After...	Target Amount After...	Associated LT Acco...	Floor Notification	Ceiling Notification	Rule-based LT for ...	Rule-based LT for ...
		RLUEURBCEELULLXXX	No	No	No	No

Total rows: 1

Reserve Management Account Configuration

Minimum Reserve Calculation	Default MCA	Interest Calculation	Interest Rate Type	Automated Generation of Inter...
Yes	Yes			Yes

Total rows: 1

Additional Account Configuration

☰

✎

✖

↺

📄

🔗

🔗

Edit

Delete

Restore

Revisions

Limits

Credit Memorandum Balance

3. Accounts

How to retrieve account details in CRDM

U2A

The screenshot displays the Target Services CRDM interface. At the top, the user is logged in as BCEEadmin on 2021-11-12 16:38:19. The breadcrumb navigation shows: Common > Cash > Cash Accounts > Search > Details. The main content area is divided into three sections:

- Reserve Management Account Configuration:** A table with 5 columns: Minimum Reserve Calculation, Default MCA, Interest Calculation, Interest Rate Type, and Automated Generation of Inter... The row shows values: Yes, Yes, (empty), (empty), and Yes. Total rows: 1.
- Additional Account Configuration:** A table with 7 columns: Co-managed, Co-manager Parent..., Co-manager Party..., Default RTGS Acco..., Credit-Based Only, Non-published, and Maximum Amount t... The table is empty, showing "No Rows To Show". Total rows: 0.
- Cash Account Restrictions:** A table with 3 columns: Restriction, Valid From, and Valid To. The table is empty, showing "No Rows To Show". Total rows: 0.

On the right side, there is a vertical toolbar with icons for: Edit, Delete, Restore, Revisions, Limits, and Credit Memorandum Balance.

3. Accounts

How to retrieve account details in CRDM Authorised Account User

U2A

- **Authorised Account User – Search/list Screen**

Screen Access *Common >> Cash >> Authorised Account User >> Search*

Privileges Authorised Account User Query

target

BCCEAdmin | 2021-11-12 16:56:09 | ? Help | Logout
Session ID: eyjhbGciOiJIUzI1NiJ9 Business Date: 2021-11-15 Stage: EAC version: 1.1.11

Common > Cash > Authorised Accounts User > Search

AUTHORISED ACCOUNT USER LIST

Status: Active Participation Type: All

Authorised Account User BIC: BCEELULL* Cash Account Number:

Unlimited Maximum IP Amount:

Valid From: From: yyyy-mm-dd Valid From: To: yyyy-mm-dd

Valid To: From: yyyy-mm-dd Valid To: To: yyyy-mm-dd

Search Reset + New

Status	Authorised Account ...	Cash Account Number	Participation Type	Maximu...	Valid From	Valid To
Active	BCEELULLXXX	MLUEURBCEELULLXXXB00001CLMEACBCEE	Direct		2021-06-21	9999-12-31
Active	BCEELULLXXX	RLUEURBCEELULLXXXB00001RTGSEACBCEE	Direct		2021-06-21	9999-12-31

Total rows: 2

3. Accounts

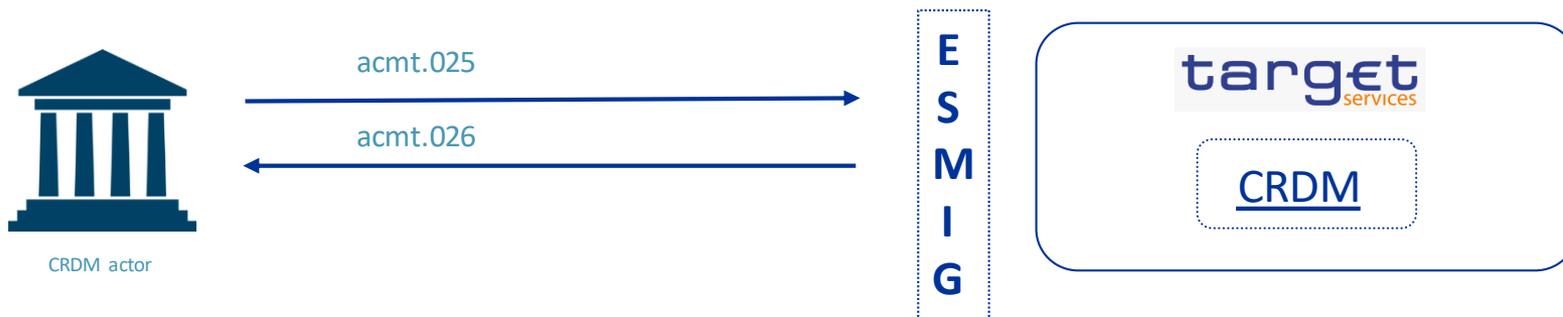
How to retrieve account details in CRDM

A2A

- The following messages are used to retrieve account details in A2A

Message type	Use case	Sent by
acmt.025 AccountQueryList	> query Cash Account reference data > query a list of Cash Accounts	Business sender
acmt.026 AccountListReport	> Cash Account Reference Data Query Response > Cash Account List Query Response	CRDM

- Detailed information is available in the CRDM UDFS Section 3.1. List of messages





4. Access rights and user creation

4. Access rights and user creation

Definitions and data scope

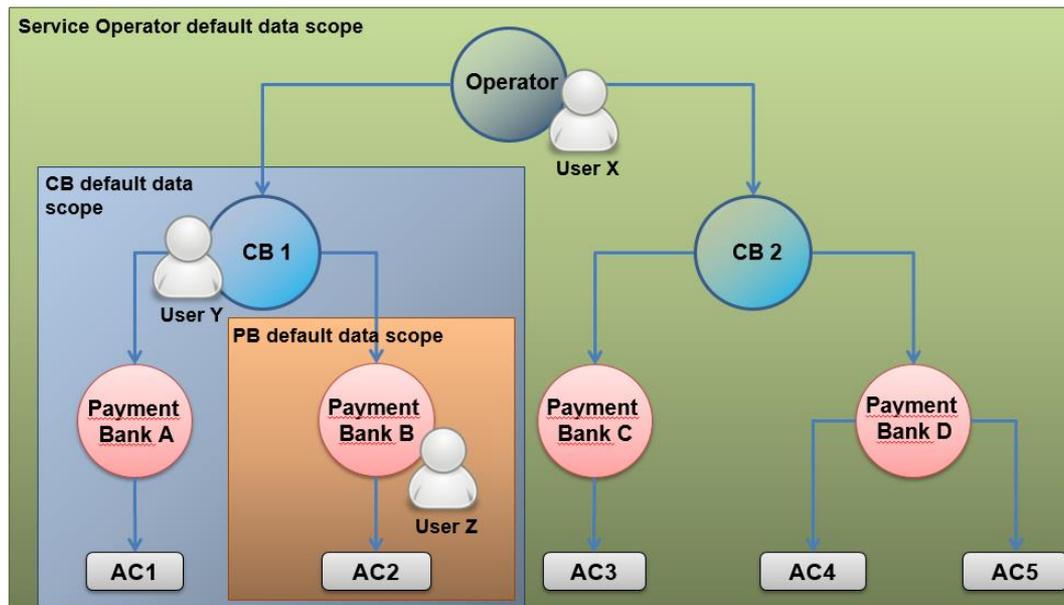
Definitions

- A **user function** is any possible action a user can trigger in a given component or Service; e.g. creating a Party, sending a payment, querying a cash account
- A **system user** is any individual or application authorised to interact with a Service/component. Each User is linked to a unique Party
- The **access rights profile** of a system user is determined by the set of granted roles and privileges.
- A **privilege** identifies the ability for an individual or application to trigger a particular user function in a specific service/component. In CLM/RTGS, privileges are granted to **Roles** and those Roles are then granted to Users/Parties

4. Access rights and user creation

Definitions and data scope

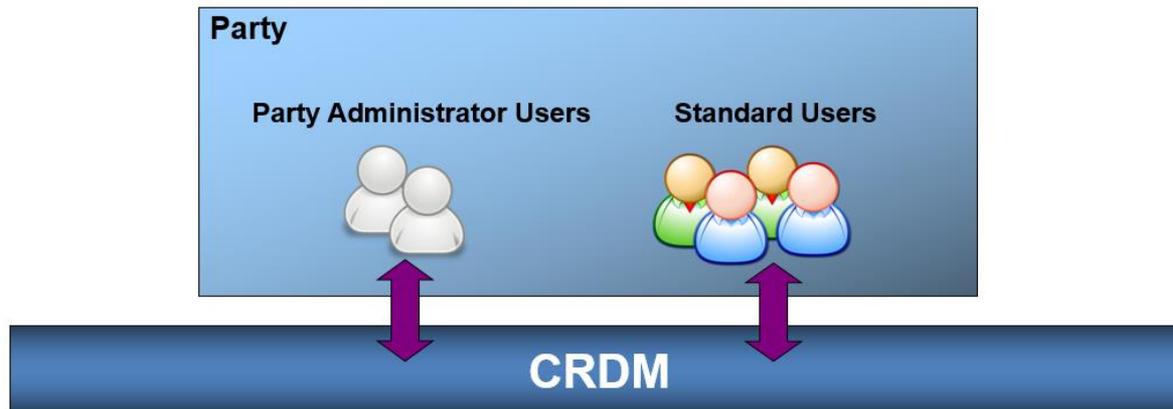
- The **data scope** is determined by the hierarchical party structure . Each system user is linked to one Party. This information determines the system user's access to relevant data. For each privilege, the **hierarchical party model** determines the **default data scope** of the grantee user.
 - **Operator users** have visibility on all data, and can act on objects belonging to participants only in exceptional circumstances
 - **CB users** have visibility on all data belonging to their system entity
 - **Payment Bank** users have visibility on data objects that are linked to their party.



4. Access rights and user creation

Definitions and data scope

- Different access right profiles are configured depending on the user's role
- A “system user” can be either **party administrator** or **standard user**
- BCL assigns a specific privilege (i.e. “Administer party” system privilege) to Party administrators



4. Access rights and user creation

Access rights configuration process

User configuration at CB side

- BCL creates party object and Party Administrator users for each payment bank (registration form)
- BCL assigns the needed roles to enable Party Administrators to manage the relevant party

User configuration at Payment Bank side

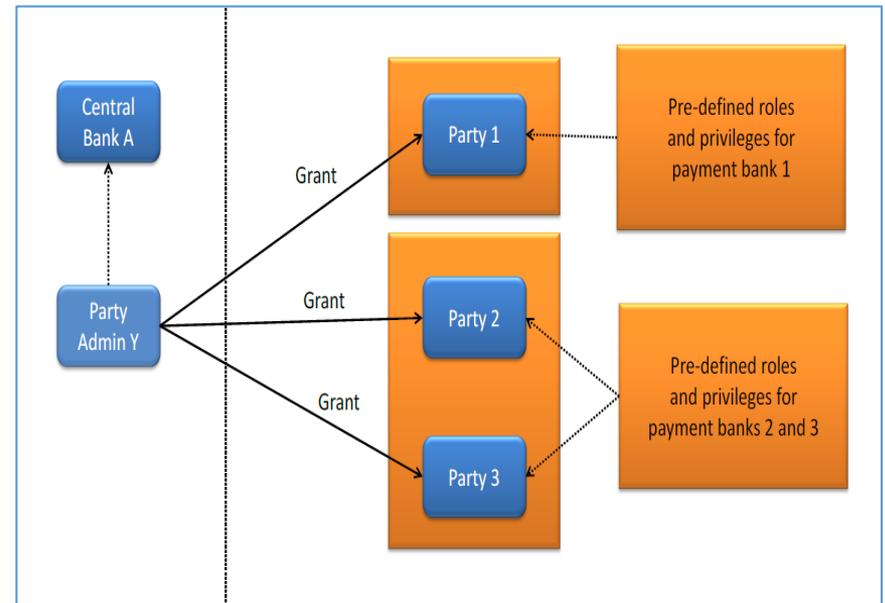
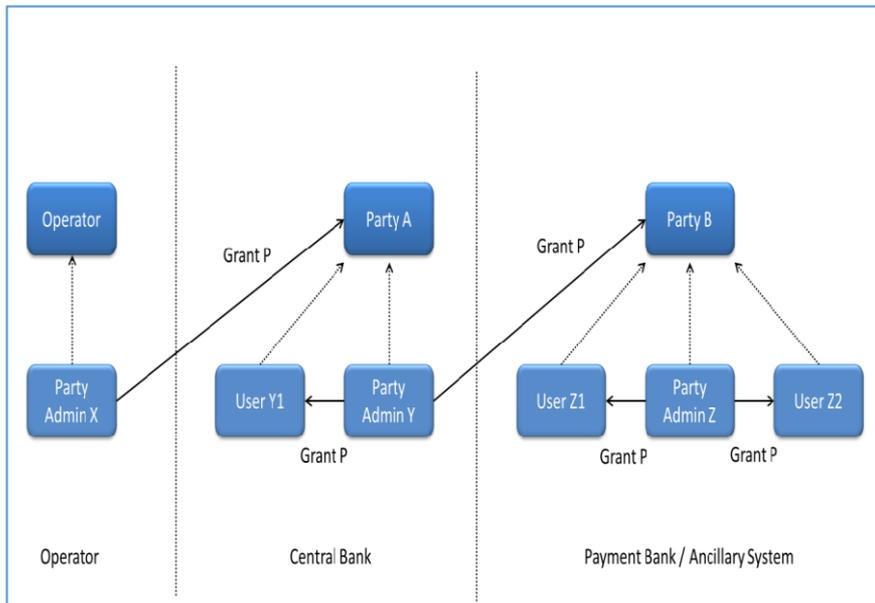
- Each Payment Bank is responsible to input their relevant database of users in CRDM
 - ✓ Creation of the users
 - IT IS MANDATORY TO CREATE AN A2A SYSTEM USER for sending the inbound A2A communication,**
 - ✓ Creation of certificates containing distinguished names
 - ✓ Creation of the links between users and certificate distinguished names

4. Access rights and user creation

Access rights configuration process

Roles configuration at Central Bank level

- BCL assigns the relevant set of roles and privileges to all its payment banks. These roles are predefined roles. Payment banks can only grant/revoke roles that have previously been granted to them by their central bank.
- BCL assigns the needed roles to enable Party Administrators to manage the relevant party

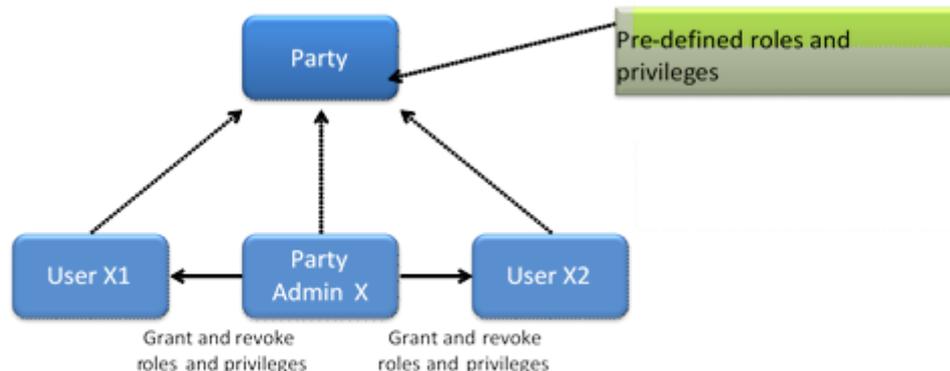


4. Access rights and user creation

Access rights configuration process

Roles configuration at Payment Bank level

- The Party administrators of each payment bank are responsible for assigning the relevant roles to their users.
- Available roles are those selected in the registration form. Some roles are available in 2 or 4 eyes mode depending on the choice made in the registration form
- Detailed information about roles and associated privileges can be found in the Registration Guide and in the CRDM UDFS.



4. Access rights and user creation

Users

U2A

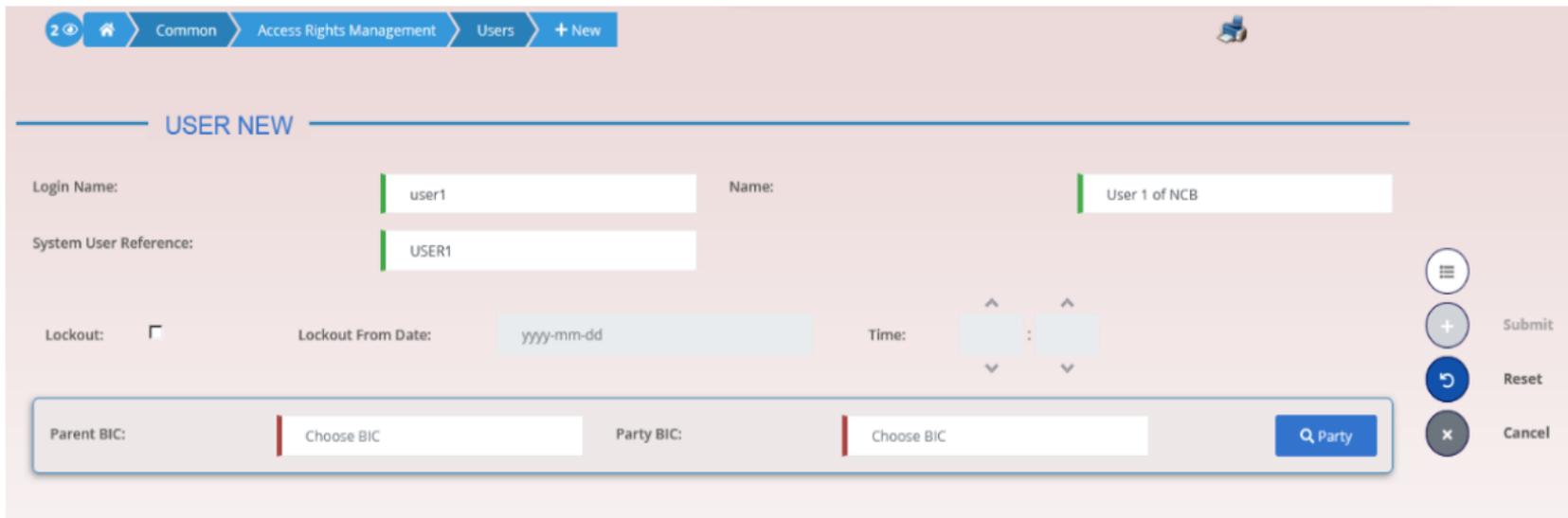
- **User – New/Edit Screen**

Screen Access *Common >> Access Rights Management >> Users >> New*

Common >> Access Rights Management >> Users >> Users – search/list screen >> Click on the new or edit button

Common >> Access Rights Management >> Users >> Users – search/list screen >> Click on the search and/or details button >> User – details screen >> Click on the edit button

Privileges Create User - Update User



2 Common > Access Rights Management > Users > + New

USER NEW

Login Name: Name:

System User Reference:

Lockout: Lockout From Date: Time: :

Parent BIC: Party BIC:

4. Access rights and user creation

Users

- Users – Search/List Screen**

Screen Access *Common >> Access Rights Management >> Users >> Search*

Privileges System user query - Delete user

USER LIST

Status:

Login Name:

System User Reference:

Parent BIC:

Party Type:

Name:

Lockout:

Party BIC:

Status	Login Name	Name	System U...	Lockout F...	Lockout	Parent BIC	BIC	Short Name
Active	ALUBCEELULLXXEAC	BCEEadmin	ALUBCEELULL	0001-01-01 00:0	No	BCLXLULLXXX	BCEELULLXXX	BCEE
Active	ULUBCEELULLXXA2A	BCEE USER A2	ULUBCEELULL	0001-01-01 00:0	No	BCLXLULLXXX	BCEELULLXXX	BCEE
Active	ULUBCEELULLXXTEST2EAC	BCEE USER2 E	ULUBCEELULL	0001-01-01 00:0	No	BCLXLULLXXX	BCEELULLXXX	BCEE
Active	ULUBCEELULLXXTEST3EAC	BCEE USER TE	ULUBCEELULL	0001-01-01 00:0	No	BCLXLULLXXX	BCEELULLXXX	BCEE
Active	ULUBCEELULLXXTESTEAC	BCEE USER EA	ULUBCEELULL	0001-01-01 00:0	No	BCLXLULLXXX	BCEELULLXXX	BCEE

4. Access rights and user creation

Users

- **User – Details Screen**

Screen Access *Common >> Access Rights Management >> Users >> Users – search/list screen >> Click on the search and/or details button*

Privileges System user query - Delete user

USER DETAILS

Status:	Active	Login Name:	ULUBCEELULLXXTEST2EAC
Name:	BCEE USER2 EAC TEST	System User Reference:	ULUBCEELULLXXTEST2EAC
Logout From:		Lockout:	No
Parent BIC:	BCLXLULLXXX	Party BIC:	BCEELULLXXX
Party Type:	Payment Bank	Party Short Name:	BCEE

- Edit
- Delete
- Restore
- Revisions
- User Certificate Distinguished Name Links

4. Access rights and user creation

Certificate distinguished names

- **Certificate Distinguished Names – New Screen**

Screen Access *Common >> Access Rights Management >> Certificate Distinguished Names >> Certificate distinguished names – search/list screen >> Click on the new button*

Common >> Access Rights Management >> Certificate Distinguished Names >> New

Privileges Create Certificate Distinguished Name

2 ④ Home Common Access Rights Management Certificate Distinguished Names + New

CERTIFICATE DISTINGUISHED NAME NEW

Certificate Distinguished Name:

Submit
Reset
Cancel

4. Access rights and user creation

Certificate distinguished names

- **Certificate Distinguished Names – Search/List Screen**

Screen Access *Common >> Access Rights Management >> Certificate Distinguished Names >> Search*

Privileges Certificate query - Delete certificate distinguished name

The screenshot shows the 'target' system interface. At the top, there is a navigation breadcrumb: **Common > Access Rights Management > Certificate Distinguished Names > Search**. The page title is **CERTIFICATE DISTINGUISHED NAME**. Below the title, there are search filters: **Status:** (Active) and **Certificate Distinguished Name:** (cn=bcl*). There are buttons for **Search**, **Reset**, and **+ New**. A table displays the search results:

Status	Certificate Distinguished Name
Active	cn=bcl-02,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu
Active	cn=bcl-05,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu
Active	CN=bcl,OU=test,OU=esmig-bls,OU=A2A,O=88382,DC=sianet,DC=sia,DC=eu
Active	cn=bcl-03,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu
Active	cn=bcl-04,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu
Active	cn=bcl-13,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu
Active	cn=bcl-07,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu
Active	cn=bcl-06,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu
Active	cn=bcl-12,ou=t2,o=88382,dc=sianet,dc=sia,dc=eu

4. Access rights and user creation

User Certificate Distinguished Name Links

- **User Certificate Distinguished Name Link – New Screen**

Screen Access

Common >> Access Rights Management >> User Certificate Distinguished Name Links >> New

OR Common >> Access Rights Management >> User Certificate Distinguished Name Links >> User certificate distinguished name links search/list screen >> Click on the newbutton

OR Common >> Access Rights Management >> Users >> Users – search/list screen >> Click on the user certificate distinguished name links button >> User certificate distinguished name links – search/list screen >> Click on the newbutton

OR Common >> Access Rights Management >> Users >> Users – search/list screen >> Click on the search and/or the details button >> User – details screen >> Click on the user certificate distinguished name links button >> User certificate distinguished name links – search/list screen >> Click on the newbutton

OR Common >> Access Rights Management >> Certificate Distinguished Names >> Certificate distinguished names – search/list screen >> Click on the user certificate distinguished name links button >> User certificate distinguished name links – search/list screen >> Click on the newbutton

Privileges

Create User Certificate Distinguished Name Links

Update User Certificate Distinguished Name Links

4. Access rights and user creation

User Certificate Distinguished Name Links

- **User Certificate Distinguished Name Link – New Screen**

The screenshot shows the 'User Certificate Distinguished Name New' screen in the Target Service console. The page header includes the 'target service' logo, a user profile for 'BCEEadmin', and session information: '2021-11-16 11:09:22', 'Session ID: eyjhbGcOjUz1Nj9', 'Business Date: 2021-11-16', 'Stage: EAC', and 'version: 1.1.11'. The breadcrumb navigation shows 'Common > Access Rights Management > User Certificate Distinguished Name Links > + New'. The main content area is titled 'USER CERTIFICATE DISTINGUISHED NAME NEW' and contains the following form fields:

- Login Name:** A text input field containing 'ULUBCEEELULLXXEAC'.
- Certificate Distinguished Name:** A text input field containing 'cn=bcl-06.ou=t2,o=88382,dc=slanet,dc=sia,dc=eu'.
- Default:** A checkbox that is currently unchecked.
- Main User:** A checkbox that is currently unchecked.

On the right side of the form, there are three circular buttons: a menu icon (three horizontal lines), a green button with a plus sign labeled 'Submit' (with a red arrow pointing to it), a blue button with a circular arrow labeled 'Reset', and a grey button with an 'x' labeled 'Cancel'.

4. Access rights and user creation

User Certificate Distinguished Name Links

- **User Certificate Distinguished Name Links – Search/List Screen**

Screen Access

Common >> Access Rights Management >> User Certificate Distinguished Name Links >> Search

OR Common >> Access Rights Management >> Users >> Users – search/list screen >> Click on the user certificate distinguished name links button

OR Common >> Access Rights Management >> Users >> Users – search/list screen >> Click on the search and/or the details button >> User – details screen >> Click on the user certificate distinguished name links button

OR Common >> Access Rights Management >> Certificate Distinguished Names >> Certificate distinguished names – search/list screen >> Click on the user certificate distinguished name links button

Privileges

Delete User Certificate Distinguished Name Links - User Certificate Distinguished Name Links Query

USER CERTIFICATE DISTINGUISHED NAME LINK

Status:

Login Name: Certificate Distinguished Name:

Status	Login Name	Certificate Distinguished Name	Default	Main User
Active	ALUBCEELULLXXEAC	CN=usr-bcee, OU=test, OU=sia-tst, OU=U2A, O=88382, DC=sianet, DC=sia, DC=eu	No	Yes

4. Access rights and user creation

Roles

- Roles – Search/List Screen

Screen Access *Common >> Access Rights Management >> Roles >> Search*

Privileges Role List Query

The screenshot displays the 'ROLE' search results page in the Target system. At the top, the breadcrumb navigation is 'Common > Access Rights Management > Roles > Search'. The search criteria are set to 'Active' for the 'Status' field. Below the search filters, there is a table of roles. The table has three columns: 'Status', 'Name', and 'Description'. The roles listed are:

Status	Name	Description
Active	AH Access Rights Admin 2E	AH Access Rights Admin
Active	AH CRDM Configuration Manager 2E	AH CRDM Configuration Manager
Active	AH CLM Reader 2E	AH CLM Reader
Active	AH CLM Manager 2E	AH CLM Manager
Active	AH RTGS Reader 2E	AH RTGS Reader
Active	AH RTGS Liquidity Transfer Mngr 4E	AH RTGS Liquidity Transfer Manager
Active	AH RTGS Payment Manager 4E	AH RTGS Payment Manager
Active	AH CRDM Access 2E	AH CRDM Access
Active	AH RTGS Backup Payment Manager 4E	AH RTGS Backup Payment Manager
Active	AH ESMIG Access 2E	AH ESMIG Access
Active	AH ECONS 2 Reader 2E	AH ECONS 2 Reader
Active	Party Administrator 2E	Party Administrator
Active	AH CRDM Reader 2E	AH CRDM Reader
Active	AH T2S Reader 2E	AH T2S Reader

At the bottom left, it says 'Total rows: 24'. On the right side, there is a vertical toolbar with icons for: Edit, Delete, Restore, Revisions, Grant/Revoke Privileges, and Grant/Revoke Role.

4. Access rights and user creation

Grant/revoke roles

- **Grant/Revoke Role – New/Edit Screen**

Screen Access *Common >> Access Rights Management >> Grant/Revoke Roles >> Grant/Revoke roles – search screen >> Click on the search button*
OR Common >> Access Rights Management >> Roles >> Roles – search/list screen >> Click on the grant/revoke role button

Privileges Grant/revoke role

4. Access rights and user creation

Grant/revoke roles

- Grant/Revoke role – edit screen (role mode)

GRANT/REVOKE ROLES

Role name: AH CRDM Access 2E

Parent BIC: Choose BIC Party BIC:

Login name: Choose...

Search Display

Parties

Parent BIC	Party BIC
Filter...	Filter...

No Rows To Show

Current Granted Parties

Parent BIC	Party BIC
<input type="checkbox"/>	BCLXLULLXXX
<input type="checkbox"/>	BCEELULLXXX

Role AH CRDM Access 2E

Users

Users	
Filter...	
<input type="checkbox"/>	ULUBCEELULLXXXA2A

Current Granted Users

Current Granted Users	
Filter...	
<input type="checkbox"/>	ALUBCEELULLXXXEAC
<input type="checkbox"/>	ULUBCEELULLXXXTEST2EAC
<input type="checkbox"/>	ULUBCEELULLXXXTEST3EAC
<input type="checkbox"/>	ULUBCEELULLXXXTESTEAC

4. Access rights and user creation

Grant/revoke roles

- Grant/Revoke role – edit screen (party roles mode)

The current granted roles are the roles selected on the registration form and granted by BCL to each party

Party BCLXLULXXX - BCEELULXXX

Roles	Current Granted Roles
Filter...	Filter...
No Rows To Show	<input type="checkbox"/> AH Access Rights Admin 2E
	<input type="checkbox"/> AH CLM Manager 2E
	<input type="checkbox"/> AH CLM Reader 2E
	<input type="checkbox"/> AH CRDM Access 2E
	<input type="checkbox"/> AH CRDM Configuration Manager 2E
	<input type="checkbox"/> AH CRDM Liquidity Manager 2E
	<input type="checkbox"/> AH CRDM Reader 2E
	<input type="checkbox"/> AH Data Warehouse User 2E
	<input type="checkbox"/> AH ECONS 2 Manager 4E
	<input type="checkbox"/> AH ECONS 2 Reader 2E
	<input type="checkbox"/> AH ESMIG Access 2E
	<input type="checkbox"/> AH RTGS AS Manager 2E
	<input type="checkbox"/> AH RTGS Backup Payment Manager 4E
	<input type="checkbox"/> AH RTGS Customer CT U2A 2E

4. Access rights and user creation

Grant/revoke roles

- Grant/Revoke role – edit screen (user mode)

target services

BCEEadmin | 2021-11-16 14:04:11 | Help | Logout
Session ID: ey/hbGcOjUz1Nj9 Business Date: 2021-11-16 Stage: EAC version: 1.1.11

Common > Access Rights Management > Grant/Revoke Roles

GRANT/REVOKE ROLES

Role name Choose Role...

Parent BIC Choose BIC

Login name ULUBCEELULXXXA2A

Search Display

target services

BCEEadmin | 2021-11-16 14:05:44 | Help | Logout
Session ID: ey/hbGcOjUz1Nj9 Business Date: 2021-11-16 Stage: EAC version: 1.1.11

Common > Access Rights Management > Grant/Revoke Roles

GRANT/REVOKE ROLES

User ULUBCEELULXXXA2A

Roles	
Filter...	
<input type="checkbox"/>	AH Access Rights Admin 2E
<input type="checkbox"/>	AH CLM Manager 2E
<input type="checkbox"/>	AH CLM Reader 2E
<input type="checkbox"/>	AH CRDM Configuration Manager 2E
<input type="checkbox"/>	AH CRDM Liquidity Manager 2E
<input type="checkbox"/>	AH CRDM Reader 2E
<input type="checkbox"/>	AH Data Warehouse User 2E
<input type="checkbox"/>	AH ECONS 2 Manager 4E
<input type="checkbox"/>	AH ECONS 2 Reader 2E
<input type="checkbox"/>	AH ESMIG Access 2E
<input type="checkbox"/>	AH RTGS AS Manager 2E
<input type="checkbox"/>	AH RTGS Backup Payment Manager 4E
<input type="checkbox"/>	AH RTGS Customer CT U2A 2E
<input type="checkbox"/>	AH RTGS Inter-bank CT U2A 4E

→

←

Current Granted Roles	
Filter...	
<input type="checkbox"/>	AH CRDM Access 2E

4. Access rights and user creation

Grant/revoke roles

- Grant/Revoke Roles – Search/List Screen

Screen Access *Common >> Access Rights Management >> Grant/Revoke Roles*

Privileges Granted roles list query (display button available) - Grant/revoke role (search button available)

The screenshot shows the 'Grant/Revoke Roles' search interface. At the top, there is a navigation breadcrumb: 'Common > Access Rights Management > Grant/Revoke Roles > Search'. The main heading is 'GRANT/REVOKE ROLES'. Below this, there are three search criteria, each with a radio button and a corresponding input field:

- Role name: A text input field with a dropdown arrow.
- Parent BIC: A 'Choose BIC' button. Party BIC: A 'Choose BIC' button.
- Login name: A 'Choose...' button.

At the bottom of the form, there are two buttons: 'Search' and 'Display'.

4. Access rights and user creation

Grant/revoke roles

- Grant/Revoke Role – Details Screen

Screen Access *Common >> Access Rights Management >> Grant/Revoke Roles >> Grant/Revoke Roles – search/list screen >> Click on the display button*

Privileges Granted roles list query

The left screenshot shows the 'GRANT/REVOKE ROLES' search screen. The breadcrumb navigation is 'Common > Access Rights Management > Grant/Revoke Roles'. The role name is 'AH Access Rights Admin 2E'. There are buttons for 'Search' and 'Display'. A blue arrow points from the 'Display' button to the right screenshot.

The right screenshot shows the 'ROLES DETAILS' screen for the role 'AH Access Rights Admin 2E'. It contains two tables:

Parties	
Parent BIC	Party BIC
Filter...	Filter...
BCLXLULLXX	BCEELULLXX

Users
Filter...
ALUBCEELULLXXEAC

4. Access rights and user creation

Grant/revoke roles

- Grant/Revoke role – edit screen (user mode)

target services

BCEEadmin | 2021-11-16 14:04:11 | Help | Logout
Session ID: eyJhbGciOiJIUzI1NiJ9 Business Date: 2021-11-16 Stage: EAC version: 1.1.11

Common > Access Rights Management > Grant/Revoke Roles > Search

GRANT/REVOKE ROLES

Role name: Choose Role...

Parent BIC: Choose BIC

Login name: ULUBCEELULLXXXA2A

Search Display

target services

BCEEadmin | 2021-11-16 14:05:44 | Help | Logout
Session ID: eyJhbGciOiJIUzI1NiJ9 Business Date: 2021-11-16 Stage: EAC version: 1.1.11

Common > Access Rights Management > Grant/Revoke Roles > Search > Grant/Revoke

GRANT/REVOKE ROLES

User ULUBCEELULLXXXA2A

Roles
Filter...
<input type="checkbox"/> AH Access Rights Admin 2E
<input type="checkbox"/> AH CLM Manager 2E
<input type="checkbox"/> AH CLM Reader 2E
<input type="checkbox"/> AH CRDM Configuration Manager 2E
<input type="checkbox"/> AH CRDM Liquidity Manager 2E
<input type="checkbox"/> AH CRDM Reader 2E
<input type="checkbox"/> AH Data Warehouse User 2E
<input type="checkbox"/> AH ECONS 2 Manager 4E
<input type="checkbox"/> AH ECONS 2 Reader 2E
<input type="checkbox"/> AH ESMIG Access 2E
<input type="checkbox"/> AH RTGS AS Manager 2E
<input type="checkbox"/> AH RTGS Backup Payment Manager 4E
<input type="checkbox"/> AH RTGS Customer CT U2A 2E
<input type="checkbox"/> AH RTGS Inter-bank CT U2A 4E

→

←

Current Granted Roles
Filter...
<input type="checkbox"/> AH CRDM Access 2E

Event Closure

Any questions ?

Please send all your questions to OPRef@bcl.lu
or call our hotline 47 74 46 90

Documentation :

<https://www.ecb.europa.eu/paym/target/consolidation/profuse/html/index.en.html>

CRDM User handbook

https://www.ecb.europa.eu/paym/target/consolidation/profuse/shared/pdf/2021-05-19_crmd_uhb_v2-0.pdf

CRDM UDFS

https://www.ecb.europa.eu/paym/target/consolidation/profuse/shared/pdf/2021-04-01_t2_udfs_crmd_v2-2.pdf

Registration and onboarding guide

https://www.ecb.europa.eu/paym/target/consolidation/profuse/shared/pdf/2021-06-09-TARGET_SERVICES_REGISTRATION_AND_ONBOARDING_GUIDE.pdf