5.3 Introduction

	5.3.1 Purpose of the document
Aim	The Data Warehouse (DWH) User Handbook. hereinafter referred to as UHB. aims to facilitate the use of the Data Warehouse Graphical User Interface. It is addressed to all DWH users. regardless of the parties and describes the full range of functionalities available in user-to-application (U2A) mode. The UHB provides detailed reference information on all GUI functionalities and step-by-step descriptions. Thus the DWH UHB provides helpful information on the use of the DWH GUI.
Actors	There is only one handbook for DWH addressing all actors: Central Banks (CB). Payment Banks (PB) and Ancillary Systems (AS). Specific chapters for CB users with advanced user's profile (see chapter Overview) aremarked with the annex "for advanced user" in the title of the chapter. All other chap- ters are relevant for each reader.
	5.3.1.1 UHB Structure The UHB is divided in eight chapters:
Chapter 1	The chapter Introduction explains the aim, the content and the approach of both the UHB and the DWH GUI. While the first section explains how to use the UHB, the second section focuses on technical requirements.
Chapter 2	<u>The chapter</u> Introduction to the Data Warehouse <u>provides background in-</u> formation about the Data Warehouse itself and also about the software tool used as GUI.
Chapter 3	<u>The chapter</u> First steps & basics <u>provides the reader with basic elements</u> and the structure of the DWH GUI.
Chapter 4	 <u>The chapter</u> Working with reports <u>explains the reader how to</u> <u>copy and save a report (see chapter</u> Copy, save and export) <u>run a report (see chapter</u> Running reports) <u>schedule a report (see chapter</u> Scheduling reports)
Chapter 5	<u>The chapter</u> Predefined reports <u>provides the reader with information about</u> <u>all predefined reports.</u>

5.3.2 Set-up and Login

5.3.2.1 GUI Access

Users are directed to an initial page named ESMIG portal that ensures proper routing to the web applications the user has been granted to enter. Refer to the Connectivity Guide specified in the ESMIG UDFS document. current version available. for details on the communication network and services.

5.3.2.2 Technical Requirements

Before entering the GUI, make sure to implement all necessary preparations described below.

Such preparations may be subject to periodical review/update to comply with changing technical/regulatory scenarios.

The following web-browsers are suggested:

- Supported Web-Browsers
- Mozilla Firefox 78.0 +

Google Chrome 88.0 +

The required minimum screen resolution is 1366 x 768 pixel. Screen resolutions below this requirement are not supported and can lead to a deviating appearance and functionality of the GUI.

Even if the screen resolution fulfils the requirement defined above, it is important to note that scaling options provided by the operating system and the browser (e.g. 125% or 150%) may cause a deviating appearance and functionality of the GUI. If this is the case, the usage of scaling options is not supported.

5.4 Introduction to the Data Warehouse

5.4.1 Overview

Context of Usage The aim of the DWH is to store and compile information coming from TARGET2- Securities (T2S) and common components i.e. Common Reference Data Management (CRDM). Billing (BILL) and Business Day Management (BDM) in a homogenous manner at business level. The DWH provides access to data in U2A mode and permits access to data within the databases. It gives a business-oriented view of the collected data without any detailed technical database terminology. Therefore, no knowledge about the database structure of T2S is required. It provides information through reports as predefined reports.

Parties The DWH consolidates the content of the sources into a single database for reporting purposes and offers pre-defined reports to the users of the following T2S parties:

- Central Banks (CB).
- <u>Central Securities Depositories (CSD)</u>
- □ External CSDs (eCSD).
- Payment Banks (PB).

Access Rights <u>The precondition for a user to obtain access to the DWH is a setup in CRDM</u> by the respective party. Access to the DWH depends on the user's profile, which ensures that the user is allowed to perform the requested action(s). <u>There are two user profiles reflected as privileges in CRDM</u>:

- Normal user profile: will be available for all party types.
- □ Advanced user profile: will be available for CB/CSD users only.

The data scope in the DWH follows the following rules:

- Users have access to their parties' data based on the data scope according to the hierarchical model (for details please refer to CRDM UDFS).
- For CBs/CSDs: Each CB/CSD has access to granular data for all parties belonging to its system entity. Moreover. each CB/CSD has access to aggregated data of all system entities.
- DWH platform The DWH uses Cognos as platform. It is an enterprise wide Business Intelligence (BI) solution, mostly used for reporting. Cognos is a web-based solution. Both the development and the end user interface are displayed on the web. It supports Relational Online Analytical Processing (ROLAP) and Multidimensional Online Analytical Processing (MOLAP) data sources.

A2A & U2A The DWH provides reports to users in different formats in user-to-applicamode tion mode (U2A) or to other applications in application-to-application mode (A2A). The user can run a report directly in the DWH GUI (Cognos) and export the result. The second option is A2A delivery of the report as a file. To achieve this, the report has to be scheduled as described in chapter Scheduling reports.

Note: <u>A CB user with advanced user profile was used in order to show the</u> <u>full scope of all screenshot pictures presented in this document.</u>

	5.4.2 Process of the Data Warehouse					
DWH layers	DWH receives data from different services and common components and processes the data in order to make them available via reports and files.					
	The data passes through the following three layers:					
	1. landing zone.					
	2. <u>core layer.</u>					
	3. <u>enterprise layer.</u>					
	<u>The data are transmitted into the landing zone of the DWH as a copy after</u>					
	<u>the end of each business day (EoD). The landing zone buffers the data be-</u>					
	fore they are selected and loaded into the core layer.					
	<u>The core layer stores only granular. validated. harmonised and historicised data.</u>					
	From the core layer the data are loaded into the enterprise layer. In the en- terprise layer the data are aggregated, calculated and prepared for report- ing and analysis in a dimensional structure.					
	The stored data cannot be retrieved in the landing zone: instead. detailed structured and aggregated data can be accessed through the reports. The reports are built using the data in the core and the enterprise layer.					
	After processing (data transformation and pre-calculations) of the transmit- ted data within the DWH. data from the previous business day are available in the DWH at the start of the new calendar day at the latest.					
Diagram	The following diagram provides a high-level overview of the flow from the					
	source through the different DWH layers:					
	Sources CLM DWH					



Illustration 456: DWH high level overview



Welcome

Tool Bar

Page

5.5 First steps & basics

5.5.1 Access to the DWH

Access to the DWH is managed through the Eurosystem Single Market Infrastructure Gateway (ESMIG). ESMIG provides to the DWH specific credentials found in CRDM for a specific user-id. This ensures that you have access to the relevant information depending on the party you belong to. the party type and your privilege.³⁷

As soon as your login is successful for the first time. you will see the welcome page.



Illustration 457: Welcome page

5.5.2 Navigating in the DWH GUI – toolbar

5.5.2.1 Navigate between different views

In the DWH GUI different pages each containing another report can be open at the same time. The Welcome menu allows to switch from one page to another. In case you run more than one report the "Welcome" menu in the middle of the tool bar provides a convenient way to navigate among them.



Illustration 458: Welcome page - navigation view

First steps & basics

37 For details on the network communication and services, refer to the Connectivity Guide specified in the ESMIC UDFS erent views

Position No.	Description
1	Welcome menu
2	More icon
<u>3</u>	Notification icon
<u>4</u>	Personal menu
<u>5</u>	Help menu

5.5.2.2 Welcome menu

In the following example, you open a report and a report view. The "Welcome" menu provides the ability to view the reports and the "Welcome" page.

By clicking on the report or the report view. you can switch between the report and the report view:



Illustration 459: Welcome page – navigation view – items – report view selection

5.5.2.3 More icon

With the "More" icon you can set any page of your choice as your welcome page.

If you view saved output and you want to know when there is a new version of the report, you can tap the "Notify me" icon.



"Set as Home" Icon To change the welcome page you navigate to the page you want to specify as welcome page and click on the "More" icon and select "Set as home". Next time you log in to the DWH you will directly enter to your selected personal welcome page.

5.5.2.4 Set Notifications

<u>Under the "Notification" icon you can find system messages and the result</u> of executed reports.

If you scheduled a report or are running a report in background that shall be saved in the DWH you are notified every time the result is available.



1. Create a Report view:



Illustration 461: New report version – Notify me creation – Create a Report view

2. Save it in a file under "My content":

2	My content > My report views	0
ED	There's nothing in this folder.	
estinat	on: My report views	
	Report view of BDY01 - Business Day event/delay information and se	ettlement opening time

Illustration 462: New report version – Notify me creation –Save Report view in "My content"

3. <u>Click on the tree dots to the right of the report view to view the proper-</u> <u>ties of the report:</u>



Illustration 463: New report version – Notify me creation –Report view properties

4. Create a schedule by clicking on the "Schedule" tab:

targ <u>et</u> Data W	arehouse			
A Home	← too > My report views	O T 1.	Report view of	80Y01 opening time
C Search	Report view of BDV01 - Busin . 19/04/2021 13:10	opening time	Q Owner wg06236	Creeted: 19/04/2021, 13:30 Modified: 19/04/2021, 13:30 Type: Report View
My content			General Report Se	chedule Permissions
Team content	1			(+) New
S Recent				

Illustration 464: New report version - Notify me creation - Report view - Create Sched-

ule

5. <u>Click on "New" to create a schedule:</u>

< Back	Create schedul	e	
Schedule		[Weekly 🗸	1
Period			
Start	2021-04-19	⊙ 13:36	
End	2021-07-19	⊙ 13:36	
	No end date		
Run every		1 week(s)	
On day(s)	M T W T	F S S	
Daily time inte	erval		
Options			
Format	6	HTML >	
Delivery		Save >	
Prompts		Set values >	
Languages	English (Unite	ed Kingdom) >	
PDF		Select	
			Ψ.

Illustration 465: New report version – Notify me creation –Report view – Create schedule settings

6. Click on "Set values" and "Set" to enter prompt values:



< Back	Create schedul	e	Current values	Set Clea
Schedule		(Weekly 🖌		
Period				
Start	2021-04-19	13:34		
End	2021-07-19	⊙ 13:34		
	No end date			
Run every		1 week(s)		
On day(s)	M T W T	F S S		
Daily time int	terval			
Options				
Format	Ð	HTML >		
Delivery] Save >		
Prompts		Set values >		
Languages	English (Unite	ed Kingdom) >		
PDF		Select		

Illustration 466: <u>New report version – Notify me creation –Report view – Create schedule – Set</u> values

7. In the pop up window enter the desired values and click on "Finish":

arvice :* All V urrency :* EUR V
urrency :* EUR V
Cancel Finish

prompt values

8. Set the "Start" and "End" of the schedule and click on "Create" to create the schedule:

< Back	Create schedul	e
Schedule		(Weekly 💙
Period		
Start	2021-04-19	⊙ 13:41
End	2021-07-19	③ 13:36
	No end date	
Run every		1 week(s)
On day(s)	M T W	T F S S
Daily time inte	erval	
Format	4	HTML >
Format Delivery		-
	[Save >
Delivery	4 schedule	Save >
Delivery Prompts	4 schedule	
Delivery Prompts Languages	4 schedule	Save >

Illustration 468: <u>New report version – Notify me creation –Report view – Create schedule –</u> <u>Start and End period</u>

9. <u>Click on the tree dots to the right of the report view to view the menu,</u> <u>and click on "View versions":</u>



Illustration 469: New report version – Notify me creation – Report view – View ver-

sions

10. <u>Click on the date of the report view run and click on the HTML icon to</u> view the result:



Illustration 470: New report version – Notify me creation –Report view – Versions

11. <u>Click on the three dots to right of the blue ribbon to view the "Notify</u> <u>me" icon:</u>

te	rgeti o-				-	ration in the s	21-00-25 v1786				< 0 1
0	4									0.027, 140	1
0	E Bases by service increases	d attends	Among the 1224	Barne by series	an strain pair	dented specialities of	iting.			Serve Lotter	
	target		6	BDY01 - Busi	ness Day ev	ent/delay info	rmation and set	ttlement oper	ning time		to Descention in
8	Carbodenics Contractor of Acc	Nort 104-0	12								
	112.018										
8	and .	And in the	Passantes	Barranthrise	Witness takes	distant.					
	Ourge of scoress day	CN00	2010/10/10 10:00	228-01978-0107		202-2316-222					
0	104414-0147-019	0875	2010/10/10 10:02		274 12 12 12 12 12						
	Extraction of Mandhig strates in QLD	6850		106-0-61000							
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	Second Labor for specing building	-02.00 -0.044		274-017-110214							
					and an of these we	2010 10 10 10 10 10 10 10					
	100 aut off international facilities										

Illustration 471: New report version – Notify me creation –Report view – Three dots – Notify

 By clicking on the "Notify me", you will be presented with a message of your notification on the event of a future change:



Illustration 472: New report version – Notify me creation –Report view – Notify me enabled

5.5.2.5 Personal menu

In the "Personal menu" icon you can find settings to customise your DWH experience.

You can view and edit your personal and regional information, monitor the system activities etc. The user can edit the time zone, the product language and view the capabilities granted by the administrator. For further information, refer to chapter My preferences.

5.5.2.5.1 My schedules and subscriptions

This menu item allows you to browse through the list of all report runs scheduled for the day. You can view all your scheduled activities and subscriptions on the "My schedules and subscriptions" panel.

SubscriptionThe subscription option is available when you run and view a report. butOptionnot when you are in editing mode or when you view saved output.

- 1. In order to subscribe to a report: Run a report.
- 2. In the application bar. tap "More" icon in the application bar and then tap the "Subscribe" text.
- Select your subscription options, and then tap "Create". The subscriptions have the following characteristics: A subscriber requires only Read and Execute permissions for the report. There can be up to 32 subscriptions for the same report.
- 4. Created by running a report and. in view mode. tapping the "More" icon in the application bar.
 Only the subscriber can view their subscription.
 Only the most recent saved report output is available.

The report can be run daily or weekly.

ScheduledYou can view a list of your scheduled activities that are current, past, or up-Activitiescoming on a specific day.

target T2S

First steps & basics Personal menu

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Illustration 473: Welcome screen – Personal menu – My schedules and subscriptions

You can filter the list to show the entries you want to see by clicking on the down arrow next to the "Schedule".

target)		9	Hy schedules and indexing				-	o	-	0
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Illustration 474: Welcome screen – Personal menu – My schedules and subscriptions - Filter

The following screenshots show the upcoming and the past schedules respectively:



Illustration 475: Welcome screen – Personal menu – My schedules and subscriptions – Upcoming schedules



Personal menu



Illustration 476: Welcome screen – Personal menu – My schedules and subscriptions – Past schedules

Subscriptions In general you can enable, disable, modify, or remove subscriptions, and view their saved outputs or the archived version details panel for information such as the run status and run time.

All this information are available by clicking on the "More" icon:



Illustration 477: Welcome screen – Personal menu – My schedules and subscriptions

The Status "Enabled" informs the user that the schedule is active. **Status** "Enabled" By clicking on "Run once", the user can run the report once:



Properties

Run as	
Run in background	
Excel	
Excel Data	
PDF	
- HTML	
□ csv	
□ XML	
Prompt me	
Advanced	~
	Run
Illustration 478: Welcome screen – Personal me	enu – My schedules and subscriptions -
35	
<u>You can find further information on h</u>	ow to run a report in the chapter
eport step-by-step.	

TRN01 - Cash tra	ansf sea	and details	
Owner ADVU82000001		4/20/2021, 1:20 PM 4/21/2021, 10:57 AM Report	
General Report Sche	edule Per	rmissions	
Description			
Advanced		~	
Illustration 479: <u>Welcome screen – Person</u> erties	nal menu – My so	chedules and subscriptions - Pro	<u>-q</u>

Modify

Change the settings for the scheduled report.



	Ena	able <u> </u> Delete
	Daily - Daily at 10:57 AM	
		>
View Versions	Illustration 480: Welcome screen – Personal menu – My schedules a Modify <u>The versions of the report, that is the date it was execu cessfully scheduled.</u>	
	Versions	
	Versions Archives	
	Show all history	
	Apr 21, 2021, 10:57:00 AM	•>
	Illustration 481: Welcome screen – Personal menu – My schedules a versions	and subscriptions – View

Disable Schedule





Personal menu

8		Mysched	utes and subscriptions				,	·· Δ	1 0
	Scher	dule status was edited.			×				
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-									
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		9.							
Nave		Modified A Type	Scheduled by		Status	Prio.	rity		
> E TRNOL - Cash tra	nation (prident) bekarizh	and 4/21/2021	A0VU82000001		Coalied	3			

Illustration 482: Welcome screen – Personal menu – My schedules and subscriptions – Disable schedule

Remove Schedule

The schedule will be deleted.



Illustration 483: Welcome screen – Personal menu – My schedules and subscriptions – Remove schedule

Filter

In the top right corner, the user will find another filter.



Illustration 484: Welcome screen – Personal menu – My schedules and subscriptions – Filter (2)

By clicking on "All" button, the user will be presented with further options.



First steps & basics

Personal menu

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DO Instruction	Dated a	many (35%)
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		(The second s
	 Tarme Pauline) Type Manhad by Bank Physical State I Mittel - Bankada by State I	Avenue



(2) - Further options

SubscriptionBy clicking on the dropdown next to the "Subscription type" the user will be
able to filter to see either the subscriptions or the activities.



Verify the choice by clicking on the "Apply" button.

terget)		Hy schedulins and subscription		🍳 🚊 💿
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E termenterature				
-	Dated 1			
ta	Dudhi g			
0	1 A A	· ·	- 10 -	3 A A
				T Subscription Type: Subscriptions
	Nette	Washed Type Schedulet by	Torius	morty
	• E Hytelitz minute sales information	ACRETING T ADVANCED	Engine	3

Illustration 486: Welcome screen – Personal menu – My schedules and subscriptions - Subscription type

Status

By clicking on the dropdown next to the "Status". the user can choose to see either the "Enabled" or the "Disabled" schedules:



Verify the choice by clicking on the "Apply" button.



target		Ny which lies and a simplifying	12	<u>)</u> [0 1 0
0					
Q See	Interior or				T report
Es Present	funded is				
	Station 5				
0 mm	1		· ·	d	
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	hare.	Huthed Type Scheduled by	Status	more)	
	III seess meanphologistumater	ACTO/2021 IE ADV/ADD00005	Duttief	1	

Illustration 487: Welcome screen – Personal menu – My schedules and subscriptions – Status disabled

Priority

By clicking on the dropdown next to the "*Priority*", the user can choose to select different schedules according to the priority.



Verify the choice by clicking on the "Apply" button.

target				whet is an induction	8 ¥				100	0 💶 💿
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	• E matter mountain interain	4/20/2025	5	ADM/#2000005		tisted.		83		
	• D stress - the degracity information			ADVARDANCES		Dusting		1		

Illustration 488: Welcome screen – Personal menu – My schedules and subscriptions – Schedules Priority

Further Options By clicking on the down arrow next to "Advanced", the user is presented with further options.

	Clear al
Subscription type	All
Status	All
Priority	All
Advanced	^
Туре	All >
Appl	у

Type of Schedule By clicking on the text next to the "*Type*", the user can choose which type of schedule to see, i.e. Report or Repot view:

target T2S

< Back Type	
Export	0
Import	0
Index update	0
Job	0
Migration	0
Notebook	0
Planning macro	0
Planning task	0
PowerPlay report	0
PowerPlay view	0
Query	0
Query service administration task	0
Report	0
Report view	0
Workspace	0

Illustration 490: Welcome screen – Personal menu – My schedules and subscriptions – Advanced - All - Type of schedule

Filter

	Cle	ear all
Subscription type	All	~
Status	All	~
Priority	(All
dvanced		^
ype	Rep	port >
App	bly	

Illustration 491: Welcome screen – Personal menu – My schedules and subscriptions – Advanced - All - Type of schedule – Report

By clicking on "Back" text in the upper left corner and clicking on the "Apply" button, the user can see the type of schedule that has been chosen.

target			My schedules and adjacepts	en v		··· 0 👱 💿
0						
Q 20010	Straight w					T replace
-						
the Presenter	Statut Statute 1					
to Territori	Durine Statements					
O *****	· · · ·	1		1	- C	
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	* D KOYEL-Business Day www.chalac.churr	4/29/2020 1 1/2/2020	* ACHURICONNOL	traced	3	
	7 D STOL-Danksgrauty-internation	ACCOUNTS 1	AD-UK2000000	Desilied	3.5	

Illustration 492: Welcome screen – Personal menu – My schedules and subscriptions – Advanced - All - Type of schedule - Report

5.5.2.5.2 My preferences

<u>The chapter "*My preferences*" is divided in two chapters. One describes the preferences under general the second explains the preferences under personal.</u>

5.5.2.5.2.1 My preferences - general

You can set up preferences for your DWH applications. To set your preferences in the personal menu click on "*My preferences*".

Default
HTML 🗸
~
GMT+01:00) Germany Time >
English >
English (United Kingdom) >
Right-to-left 🗸

In case a different page than the default is set. the user can reset to the default.

Report Format The default value for the report format is html.

	But you can choose also one of the following formats:		
	Excel (same content as html but as Excel file)		
	Excel Data (only the report data is exported – Not recommended since it does not work properly)		
	□ Pdf		
	Html		
	□ <u>Csv</u>		
	□ <u>Xml</u>		
Accessibility Features	Accessibility features assist users who have a disability, such as restricted mobility or limited vision, to use information technology content success- fully.		
Show Hints	When you first sign in to the DWH. you can see hints that help you navigate through the user interface. If you turn the hints off, but want to show them again, select the "Show hints" check box.		
Language	The default language is English.		
Settings	You can select the language that you prefer for the DWH user interface. If your data and reports are available in multiple languages, you can also se- lect the language that you prefer for the content. There is also support for bidirectional languages such as Hebrew, Arabic, Urdu, and Farsi. Report authors can control the display of native digits and the direction of text, crosstabs, and charts.		
	5.5.2.5.2.2 My preferences - Personal		
	In the "My preferences" menu you can find more information about yourself		
	under "Personal". (Note: Some of the settings displayed have to be changed		

You will see your email if available in CRDM, and with a click on the arrow next to "Advanced". further information are shown.

in CRDM e.g. User information, granted privilege.)

You can also find information about "Groups and roles" and "My capabilities" described in detail hereafter.

	My preferences	
	General Personal	
	Email ADVU82000001@bundesbank.	de
	Advanced	^
	Credentials	Renew
	My credentials	Manage >
	Groups and roles	View details >
	My capabilities	View details >
	Logging	Manage >
	Illustration 494: Welcome screen – Personal menu - vanced	– My preferences – Personal – Ad-
Groups and Roles	You can find the groups and roles you an respective menu item.	re associated to by clicking on the
	In this example, the user belongs to a Ce <u>"KM</u> ". In CRDM the role containing the "L privilege is granted to the user.	

	K Back Groups and Roles
	In this session, you can use the access permissions of these groups and roles:
	Groups Advanced All Authenticated Users Central Bank Everyone KM Roles Authors
User Capa- bilities	Illustration 495: Welcome screen – Personal menu – My preferences – Personal – Groups and roles The capabilities control access to different administration tasks and differ- ent functional areas of the user interface in DWH. You can find the capabil- ities assigned to you by clicking on "View details" on the right of the sec- tion.

My preferences		
General	Personal	
Email ADVU820	00001@bundesbank.de	
Advance	ed	^
Credentia	ls	Renew
My creder	ntials	Manage >
Groups an	d roles	View details >
My capabi	lities	View details >
Logging		Manage >

Illustration 496: Welcome screen – Personal menu – My preferences – Personal – My capabilities (1)

< Back	My Capabilities	
These capabilities	s are available to you:	
AI		<u>^</u>
Use Assistant		
Analysis Studio		
Cognos Viewer		
Context Menu		
Run With Opti	ons	
Selection		
Toolbar		
Collaborate		
Allow collabor	ation features	
Launch collabo	oration tools	
Event Studio		
External Reposito	ries	
View external	documents	
Generate CSV Ou	tput	
Generate PDF Ou	tput	
Generate XLS Out	put	
Generate XML Ou	tput	
Glossary		
Lineage		
Query Studio		
Advanced		
Create		

Illustration 497: Welcome screen – Personal menu – My preferences – Personal – My capabilities (2)

5.5.2.5.3 Log my session

Session Logging You can use "Log my session" to enable detailed. diagnostic logging for your current DWH session. This can be useful to support the analysis of the Operational Teams in case you run into reproducible problems or errors

	while using the Data Warehouse. In such a case, you can turn logging on and then perform the steps that lead to the problem or error you en- countered. Session logging can run for one hour maximum, but can be turned off at any time.
Unique Identifier	A unique identifier is generated to allow the administrator to identify the session logging data. Record the log identifier before you turn off the log-ging or close your browser. Remember to add this identifier to your ticket when requesting help.



		۵	2	?
•				
My schedules	and sub	scriptio	ns	
My preference	s			
Log my sessio	n			
My Inbox				
My Watch Iter	ns			
Sign in				
Sign out				

Illustration 498: Welcome screen – Personal menu – Log my session



User session logging

Session logging	Off
Log identifier	

Illustration 499: Welcome screen – Personal menu – Log my session – User session logging

5.5.2.5.4 My Inbox

If you have selected "Save" as delivery option (refer to chapter Scheduling reports for further information) you can navigate to "My Inbox" in the "Personal menu".

target tata Warehouse		··· 🗘 🔝 🛛
Turn Search Sea	Hello. Welcome to the Data Warehouse. Uncorth helden insights with a personalized analytics experience of then by AL	Ny newstrawert source options Ny newstrawert source options Ny newstrawert Lagray sources Ny fisiala Ny fisiala Tarea Ny fisiala Tarea

Illustration 500: Welcome screen - Personal menu - My Inbox

There you will find the result of the report that you scheduled or run in background.

5.5.2.5.5 My watch items

Change Tracking In the tab "Alerts" under "My Watch Items" menu, the user can see the reports he has chosen to be notified for any new changes. For further information on Notifications, see chapter Set Notifications.


Illustration 501: Welcome screen - Personal menu - My watch items

Alert Deacti-By clicking in the icon at the top right corner. the user can turn off the
alerts for this report.

5.5.2.5.6 Sign out

In order to sign out you can use the "Sign out" item from the personal menu in the toolbar.





Illustration 502: Personal menu - Sign out

5.5.2.6 Help menu

"QuestionIn the tool bar, you can find a "Question mark" icon, where the default "HelpMark" Iconmenu" is located.



Illustration 504: Welcome page - Help menu options



IBM Cognos Analytics 11.1 R5

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Close

Illustration 505: Welcome page - Help menu - About

5.5.3 Navigating in the DWH GUI – menu

On the left side of the screen you can find a menu with different folders.



Illustration 506: Welcome page - menu

5.5.3.1 Target services logo

By clicking on the "Target services" logo, you return to the "Welcome" page.

5.5.3.2 Home icon <u>The first icon on the left side is the "Home" icon.</u>

ta	コロモロ Data Warehouse
☆	Home
0,	Search
	System information
1	My content
	Team content
8	Recent

Illustration 507: Welcome page - Home

By clicking on this icon it is always possible to return to the "Welcome" page (the standard one or the one you have specified – for further information refer to chapter Access to the DWH) from everywhere in the DWH GUI.

5.5.3.3 Search function

To find items in your own or in the team content you can click on "Search". In the search field - you can type in one or multiple keywords and press "Enter". You can search for folders or predefined reports.



Illustration 508: Welcome page - Search

$5.5.3.3.1\,$ Narrow your search with filters

After a successful search, the filter function is available. In case your search returns too many results, you can click on the "*Filter*" icon and select for example specific search results or dates to modify the result list.

Filter Icon





Illustration 509: Welcome page - filter options

5.5.3.3.2 Save search results

After you have performed a search and the results are shown, you can save the results of your search. The "Save" icon is only available after a successful search.



Illustration 510: Welcome page - Search - Save icon

After clicking on the "Save" icon, a message pops up, that informs you that the search was saved.

The result of the search will be available later. even after the search is closed, or the user signs out.

If you do not save the result, the next search will overwrite the previous:

In order to delete a previously saved search, click on the "Remove" button of the saved search you intend to delete.



ta	IPget Data Wa	rehouse	
ᡎ	Home	Search	T
0	Search	⊖, a	0
	System information	Saved searches	
2	My content	TRN03 - Monthly peak day a volume of cash transfer	R
	Team content		Remove
8	Recent		a

Illustration 511: Welcome page – remove search

Save Search In case you save the search, the search result will be available in the <u>"Saved searches</u>" list, even after you sign out.

target Data Warehouse				
A Home	Search	I T		
O Search	О, а	8		
System information	Saved searches			
My content	TRN03 - Monthly peak day a volume of cash transfer	0		
Team content				
Recent				

Illustration 512: Welcome page - Search - Saved searches

5.5.3.4 System information

Behind "System information". you find a menu with a welcome page. user information and manuals.



Illustration 513: Welcome page - System information link

Welcome Page

This page serves as an introduction to this menu and informs you about the content of this menu.



Illustration 514: Welcome page – System information menu

- User Details Here you can see additional user information. such as user details concerning your User ID, which is needed to identify you in case of support. In addition, you will find your name, the name of your institution, and system information such as the environment (production or test environment) you are working on. The last business day is also mentioned to give you the information, which was the last business day loaded into the DWH completely.
- Manuals <u>Here you can find the latest User Detailed Functional Specification (UDFS)</u> and UHB version of the DWH.

When you click on the name of the manual you will be directed to the ECB homepage, where you can find the most recent version of the document you have chosen.

5.5.3.5 Recent Function

If you want to see pages, folders or reports that you recently viewed you can find the list under "Recent".



Tile View

Apart from that, the Welcome page shows all recently viewed items under the lower part, where you can also switch from "tile view" to "list view" by using the icons in the right part of the screen.

When "*Tile View*" is chosen the recently viewed items are organised as tiles.



Illustration 516: Welcome page - tile view

List View <u>When the "List View" is chosen, the recently viewed items are organised in</u> <u>a list.</u>

target Data Warehouse		With	and (w)	۵ 👤 💿
Seen	Hello, Welcome Warehouse, Creation hidden insights with analytics experience driven by	pensonalized		4
Salar	How-to catalog How-to catalog Wath short of deep to learn how to use Depres Analytics and stars gening angine into your data			determ
	Recent	10°	- Last condition -	
	Ypland chemister	(mp.or)	WEATERS, MIRIAM	
	BULUE - Companyor Maka	(inpost)	2/16/1022 12/59 (%)	
	1940. Satamenelascunturgi.	(1600)	11/6/2020.014/4/4	

Illustration 517: Welcome page - list view

5.5.3.6 New Function

The "New" option is only visible for CB/CSD users granted with the "Data Warehouse advanced user" privilege in CRDM. Only with this privilege it is allowed to create user-defined reports. For more information refer to the DWH UHB chapter Creating reports (just advanced users).



Illustration 518: Welcome page - New

5.5.4 Personal Folders

5.5.4.1 Team content

Under "*Team content*", you can find all reports you are allowed to run and view, depending on the party type you belong to. For information about each predefined report and who is allowed to use it. refer to Predefined reports. For CB/CSD users a specific CB/CSD folder can be found.

where CB advanced users can store adapted or user-defined reports and share them with normal users within their CB/CSD. This enables also other users of this CB/CSD with the normal user privilege to execute reports previously designed by an advanced user.

CB/CSD Shared **Folders**

Additionally, the CBs/CSDs shared folder is included in here. With this folder, CBs/CSDs can share reports with other CBs/CSDs.

target Data Warehouse	Wel
A Home	
O Search	
System information	
My content	Hello. Welcome to the Data
Team content	Warehouse.
Recent	Unearth hidden insights with a personalized analytics experience driven by AI.

Illustration 519: Welcome page - Team content

You can see the following content within "Team content". tarq€t **Data Warehouse** Team content Home \mathbf{n} O Y TL Data Packages О, Search 6/9/2020 1:51 PM Predefined Reports System information 7/2/2020 4:36 PM My content Team content Recent Illustration 520: Welcome page- Team content - folder structure

In case you are a CB/CSD user. you will see this structure in "Team content":



Illustration 521: Welcome page - Team content - folder structure (CB user)

In the "CB/CSD shared folders" the CB/CSD user can find the folders for sharing reports within its own CB/CSD as well as the folder for sharing reports with other CBs/CSDs.

Data Packages

In the "Data Packages" folder, you can find the data model that was used to create the reports. This is an information item only (showing the date and time of the last update of the data model).

		Welcome 🗸
🛆 Home	Team content > Data Packages	0 ¥ 14
O, Search	Enterprise Data Warehouse (Model) 1/25/2020 7:50 AM	er- El Create report
System information		■ Createreport
My content		UB Copy
Team content		Create shortcut
S Recent		‡≡ Properties

Illustration 522: Welcome page - Team content - Data Packages

PredefinedIn the "Predefined Reports" folder you can find the subfolders containing theReportspredefined reports.

My content



Illustration 523: Welcome page - Team content - Predefined reports

Example

Under "ANS – Ancillary System Reports" **you can find the predefined reports** "ANS01 – Overview of AS transfer orders" **and** "ANS02 – Daily average of AS transfers".



Illustration 524: Welcome page - Team content - Predefined Reports - ANS - Ancillary System Reports

The normal user has the same capabilities, except from the "Create report".

5.5.4.2 My content

This is your private area where only you can see the content that is stored there. At start, the folder is always empty.

Statistical Information Part First steps & basics Add a new folder



Illustration 525: Welcome page – My content

5.5.4.3 Add a new folder

Open "My content" or "Team content" and click on the "+" sign in the toolbar and then on "New Folder".



Illustration 526: Welcome page – My content – Add folder

New Folder After click on the "Folder" icon. you must enter a name for the new folder



Illustration 527: Welcome page – My content – New Folder

Press "Enter" and the new folder is created.

5.5.4.4 Sort the content

Open "My content" or "Team content" and click on the "Sort" icon in the toolbar. You can sort by name, the latest modification date or type of the content. In addition, you can decide if you want to see the ascending or descending order of your items.

Sorting Order In the following screenshot, the folders are sorted by name in ascending order.

First steps & basics Filter the content

target Data W	arehouse	Welcome 🐱	
A Home	D Team content > Predefined Reports	O T 11	Sort by
Q. Search	ANS - Ancillary System Reports 06/10/2020 08:48		Name
System Information	BDY - Business Day Reports 30/06/2020 10:34		C Modified
My content	BJL - Dilling 14/12/2020 06:40		⊙ туре
Team content	CON - Contingency Reports 50/06/2020 10/35		Order
🕑 Recent	DEX - Data Extraction Reports 00/06/2020 10:36		Ascending Oescending
	IDC - Intraday Credit Reports 19/12/2020 12:05		C. C
	INV - Invoice Data Reports 20/06/2020 10:35		
	MIR - Minimum Reserve Reports 03/08/2020 15:35		
	PAR - Participation Reports bejt2/3020 18:39		
	STA - Statement Reports 19/10/2020 17:41		
	STF - Standing Facilities Reports		
	TRN - Transaction Reports 20/13/2020 12:04		

Illustration 528: Welcome page – My content – sort in ascending order

On the contrary, in this screenshot the folders are sorted by name in descending order.

target Data W	arehouse	Welcome 🗸	
1 tome	team content > Predefined Reports	0 T t4	Sort by
O ₄ Search	TRN - Transaction Reports 20/11/2020 12:04		🛞 Name
System Information	STF - Standing Facilities Reports		OModified
My content	STA - Statement Reports 19/10/2020 17:41		⊙ Туре
Teem content	PAR - Participation Reports Oprovided State PAR - Participation Re		Order
🕑 Recent	MIR - Minimum Reserve Reports 03/05/2020 15:58		Ascending Bescending
	INV - Invoice Data Reports 30(98/2020 10:56		
	IDC - Intraday Credit Reports 19/12/2020 12:58		1
	DEX - Data Extraction Reports solve/2020 10:36		
	CON - Contingency Reports anoneyation 10:15		
	BJL - Billing 14/12/2020 08:40		
	BOY - Business Day Reports 50/06/2020 20:54		
	ANS - Anciliary System Reports 06/10/2020 06:48		

Illustration 529: Welcome page – My content – sort in descending order

5.5.4.5 Filter the content

Open "My content" or "Team content" and click on the "Filter" icon in the toolbar. You can choose the type, the modified time or provide one ore multiple keywords of the item you are looking for.

First steps & basics Filter the content

target Data W	arehouse	Welcome 🐱
Home Home Search System Information My content		♥ ▼ ↑↓ Filter by Closer all Keywords Q, Fyler any text Type □ Folders
Team content	CON - Contingency Reports acyos/2020 10:35	Deshboerds
Team content Recent	DEX - Data Extraction Reports soyne/scool stude EDC - Initiaday Credit Reports soyne/scool stude DNV - Initiaday Credit Reports sonne/scool stude DNV - Initiaday Credit Reports counter/scool stude MIR - Minimum Reserve Reports counter/scool stude PAR - Participation Reports owner/scool stude STA - Statement Reports 1990/02/02013/1983 STF - Standing Facilities Reports 1990/02/02013/299 TRN - Transaction Reports 2001/1/2020 12/29	Dats Cxplorations Cxplorations Reports Notebooks Other Modified All Today Vesterday Destructions
+ New		O Past week

Illustration 530: Welcome page – Team content – Predefined Reports – filter options

Example

You want to search for a folder in combination with a keyword "*STF*". The following result is shown:

tanget Data Warehouse		Welcome 🗸		
Norme Q Search Image: System information Image: My content Image: Team content Image: Recent	 Team content > Predefined Reports STF - Standing Facilities Reports 17/07/2020 13:29 	O Y T ₂	Piller by Clear all Keywords Q, STF Type: @ foldors Dashboards Dashboards Bashboards Dashboards Bashboards Outlas Reports Nonebooks Other Medified All Today Yestenday Past week	
How			O Past month	

Illustration 531: Welcome page – My content – filter options – filter by folders



5.6 Working with reports

5.6.1 Copy, save and export

This chapter gives you a step-by-step description on how to copy the report to your own folder or to save or export the data.

5.6.1.1 Copy a report

A copy is an independent version of the original report. Any changes to the **Context of** implementation due to e.g. CRs in the original report will not affect the re-Usage port results from the copied version. Deleting the original report will not affect the copy. This is the difference to the report view (see chapter Creating a report view) which remains linked to the original report. You can save a report as a copy in "My content" folder, or if the user is a member of a Central Bank or CSD, in the CB/CSD shared folders as well:

Instructions

- 1. Navigate to the Team content >> Predefined Reports and select the folder with the desired report.
- 2. Choose the report that should be copied and click on the "More" icon at the right of the report and select "Copy".
 - **D** A window pops up to save the report. You can save the reports in the "My content", or in the CB shared folders, by clicking on the "Copy to" button you move a copy of the report to your own working space.



Illustration 532: Team content - Predefined Reports - STF - Standing Facilities Reports -STF01 – Standing Facility information- Copy

ta	rget	T 2S

0	Hint			
	If you a CB/CSD user, you can also copy the report into the CB/CSD			
	<u>shared folder or CB/CSD – "Country code shared" folder. which can be</u>			
	<u>found in the path: Team content >> CB (CSD) Shared folders. Both folder</u>			
	<u>are only visible for CB/CSD user. Afterwards you can find the report in the</u> <u>respective folder.</u>			
	5.6.1.2 Creating a report view			
Context of	The report view is the same report as the predefined report, but has differ-			
usage	ent properties such as prompt values, schedules, delivery methods, run op-			
	tions. languages. and output formats. A report view is an alias of the ori-			
	ginal report and remains linked to it. If the source report is moved to an-			
	other location, the report view link is not broken. If the source report is de-			
	leted. the report view link is broken and the properties link to the source re- port is removed. In case the report has been changed (e.g. due to a new			
	software release), the user will be prompted with this information. The "Re-			
	port view" icon changes to indicate that the link is broken and is no longer			
	operable. In order to schedule the run of a report (see chapter Scheduling re-			
	ports <u>). you have to create a report view first.</u>			
	These steps have to be executed in order to create a report view of the			
	<u>chosen report:</u>			
Instructions	1. <u>Navigate to the Team content >> Predefined Reports and select the</u>			
	folder with the desired report.			
	2. Choose the report for that a view should be created and click on the			
	"More" icon at the right of the report and select "Create report view".			
	$\mathbb{W} = \mathbb{B}$ A pop up window opens and you can save the report view in " <i>My</i> "			
	content" after entering a name and by clicking on the "Save" button.			
	target Data Warehouse Walcome v			
	▲ Home En Team content > Prodefined Reports > STF+Standleg Facilities Reports			
	O leavesh E STF01-Standing Facility information			



Illustration 533: Team content - Predefined Reports - STF - Standing Facilities Reports -STF01 - Standing Facility information - Create report view •

Hint

If you are a CB/CSD user. you can also save the report view into the CB/ CSD shared folder or CB/CSD – "Country code" shared folder, which can be found in the path: Team content >> CB (CSD) Shared folders. You can find the report view in the respective folder.

3. You can determine the source report for a report view by clicking on the properties.



Illustration 534: My content - report view - Properties

4. Scroll down to "General".

The report view properties also provide a link to the properties of the source report.

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target T2S

Working with reports

Creating a report view

Þ	My content	O ¥ †4	Report view of ST Fa	c information
le:	My first folder 7/13/2020 12:29 PM		General Report Schedule	Permissions
R	Report view of STF01 - St Facilit 7/14/2020 1:20 PM	y information	Description	
			Advanced	^
			Disable this entry	
			Location	My content
			Search path	CAMID("CognosUserstuton=adv
			ID K	0008C9568A674FC5A7CF7DC4C38A3ED5
			Permission	Full O
			Languages	Setar
			Source report	Set
			Team content > Predefined	Reports > Standing Facility information

Illustration 535: My content - report view - Properties - Source report

5. When the source report is deleted, the report view title is greved and the link to the source report is missing in the properties:

E1	My content	0 7 14	Beport view	of 51 Fac information
	My first folder 2(24/2221 110 PM		O Owner	Downed 4/16/2027, 6117 814
	10000 - Oely Intradey credi (2/2/0000 1.65 eM	()) () ()	₩ wg06589	Houline: 4/16/2021, 5.51 AM Type: Report Ney
Ð	On demand toolbat 4/15/1321 1:05 PM		Gerwiel Report	Schedula Receivations
	Report view of DIFUS Fac 405/02219/5144	Repolernation	Description	
			Advanced	
			pisable this artry	
			Location	My content
			Search path	DWID/Cogrescionsacreegt
			1D (£08600	30730848878156000847858858
			Petriatori	Ful O
			Languages	Sw
			Sourcement	Set.
				Unaveilable

Illustration 536: My content - report view - Properties - Source report deleted

	5			Vorking with reports ving a report output				
0	Hint							
	You will be notified	by thenotify me" op	tion in case of char	<u>ige in your</u>				
	created report view sonal menu.	<u>s. For further details c</u> -	on Notifications see	<u>chapter</u> Per-				
	5.6.1.3 Saving a	report output						
Context of	You can save the re	port output (meaning	<u>the result of the run</u>	of a report,				
Usage		reports <u>) in DWH for fut</u>	ture uses by creatin	<u>g a re-port view</u>				
	<u>first.</u>							
Instructions	✓ Create a report view as described in chapter Creating a report							
	view 1. <u>Navigate to the folder containing the report view you have created.</u>							
		-						
	_	s described in chapter						
		e output by clicking o		<u>ext to the re-</u>				
	port in "My content" and select "View versions".							
	A Home	🖿 My content	Ο Ψ τμ					
	O Search	Report view of STF01 Facility information	acility information					
		- 2120/2021 8:06 AM	⊛ R	un as				
	System information		E V	iew versions የትኅ				
	My content		≪6 S					
	Team content		le c	opy or move				
	Recent		C C	reate shortcut				
			t 0	elete				

target T2S

Illustration 537: My content - report view - View versions

- By clicking on the respective version you can either delete this version or view the outcome by clicking on the "Format" icon.

5 Properties

Statistical Information Part





Illustration 538: My content - report view - View versions - Version - report output



Illustration 539: Welcome page - My content - Properties

- 3. Select the desired format and enter the selection criteria of the report (see chapter Run a report step-by-step).
- After clicking on the "Run" button a pop-up window appears to save the report. You can download a report in csv. excel. excel data. pdf and xml format.

🚺 🛛 Hint

The download option depends on the chosen format and the functionality of the browser you are using. In most browsers you can define, whether certain file types should be opened in the browser, a save dialog is shown or the file is directly downloaded to the default download di-rectory. Be aware that these settings have to be done in the browser, not in the DWH GUI.

For example, if you choose to run the report as 'XML', then you cannot view the result, but only download the report in a local folder.

targ <u>€t</u> Data Wa	arehouse	Welcome 🗸
A Home	🛤 My content > My first folder 🛛 💙 🐴	Run as
O, Search	My first report 2/25/2021 1:02 PM	Run in background
System information	My first report daily 4/15/2021 2:24 PM	O Excel
My content		O Excel Data
Team content		O PDF
		O HTML
Secent		() csv
		SML
		Prompt me
New		Run

Illustration 540: Welcome page - My content – Properties-Run as XML

A pop up window appears to save the report:

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target T2S

Working with reports

Scheduling the report for a specific DWH event

rganize 👻 New fo	slder)H • 🔞
Favorites	Name +	Date modified	Туре	Size
Desktop Downloads Libraries Documents Music Pictures Videos Computer	My first report	14/07/2020 17:04	XML Document	113
Vetwork	•1 My first report daily			
Save as type: X				

Illustration 541: Save report on local device