

# TTP-Dispatcher-Config-Frontend

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Current Docker-Version of TTP-Dispatcher: 2025.1.0-C2025.1 (Juni 2025)

## Contents

- [1 Introduction](#)
- [2 Requirements](#)
- [3 Overview](#)
  - [Dashboard](#)
  - [Active Sessions](#)
- [4 Configuration](#)
  - [Alias](#)
  - [User Interface](#)
  - [Events](#)
  - [Functions](#)
  - [IDAT](#)
  - [PSN](#)
  - [Reports](#)
  - [Server](#)
  - [Security](#)
  - [Studies / Templates](#)
  - [Systems](#)
  - [Datatable](#)
  - [Tablet Consent](#)
  - [Centres](#)
- [5 Withdrawals](#)
  - [Configuration](#)
  - [Processes](#)
- [6 Notifications](#)
  - [Configuration](#)
  - [Items](#)

- [7 Additional Information](#)

## 1 Introduction

Config-Web provides easy access to many parts of the dispatcher configuration and other administrative tasks. Each page has a help dialogue that explains how it works. The Config-Web Frontend is currently in beta status and is in constant development. Therefore things may not work as expected and might change in future releases.

## 2 Requirements

Authentication via gRAS or keycloak is required to access the path /config-web/. This requirement might be removed in a feature release. Two different roles are available:

role.dispatcher.user

For managing alias, study centres, revocations and template configurations.

role.dispatcher.admin

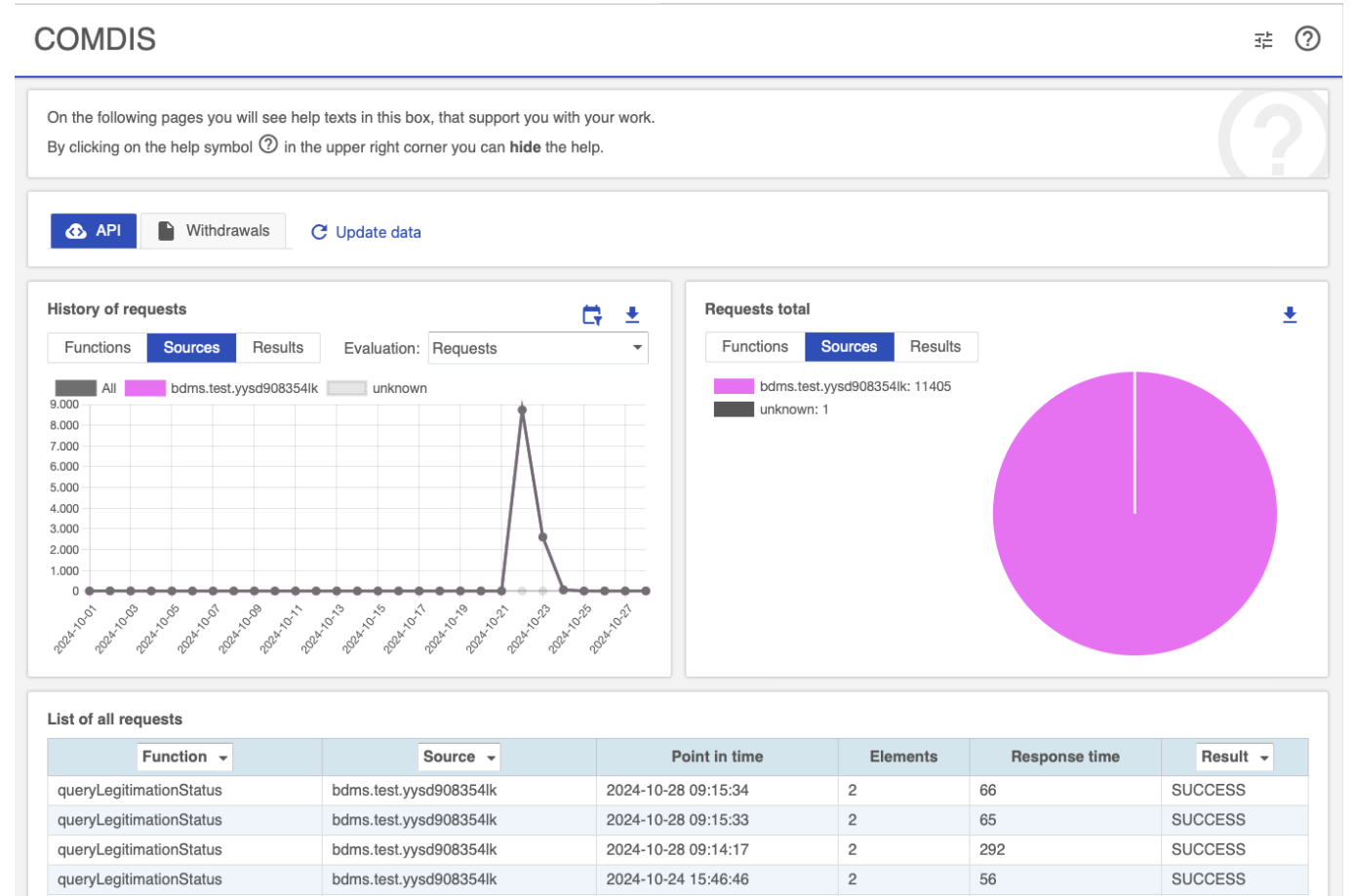
For configuring the dispatcher.

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## 3 Overview

### Dashboard

The dashboard displays information about the use of the Dispatcher REST-API in the **API tab**. Aggregated statistics are displayed by function called, requesting system and result. All requests to the API are also listed.



Active Sessions

Active browser sessions can be displayed and invalidated in the **Browser tab**.

API-Sessions

Active sessions for requesting and redeeming tokens using the Dispatcher REST API.

Browser

API

Temporary participant data

Filter by session or token

Created on	ID	API-Key	System	Timeout	User	Data	Token
2024-10-28 09:15:34	a94fdf86-c95e-4f4d-a36e-7f68d24b2d5f	bdms.test.yysd908354lk	bdms.test.yysd908354lk	3600000	test	Data (1)	
2024-10-28 09:15:33	fba1a362-9405-44c5-987c-fd70c8a59bca	bdms.test.yysd908354lk	bdms.test.yysd908354lk	3600000	test	Data (1)	
2024-10-28 09:14:17	2260083e-9513-4c7d-82b9-7b2e30de3724	bdms.test.yysd908354lk	bdms.test.yysd908354lk	3600000	test	Data (1)	

1-3 of 3

< << 1 >> >

Update data automatically

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Active REST-API sessions can be displayed and invalidated in the **API tab**.

In the **Temporary participant data tab**, participants can be displayed for which IDAT has already been entered but no IC has yet been entered. If the process is completed before the session expires, the temporary entry disappears. If the process is cancelled or not completed in time, the IDAT is deleted from the E-PIX.

4 Configuration

Alias

Configure aliases for different contexts like study names, location names, psn domains and systems.

Alias Entries

Here you can add new alias entries or edit, duplicate and delete existing ones.

Entries can be filtered with the table filter in the top right corner or with the column filters. The column filters support a negative search if you prepend a ! sign.

New Alias

+ Create

147 Alias Entries

Filter

Alias ↕	Value ↕	Context ↕	Comment ↕
Filter	Filter	Filter	Filter
Berlin - CCM	Berlin - CCM	LOCATION	
Berlin Charite	Berlin - CBF	LOCATION	
bsnr_orig	radar.bsnr.orig	IdType2PsnDomain	DZHK
bsnr_temp	radar.bsnr.temp	PSN	RADAR
db	radar.system.db	IdType2PsnDomain	RADAR
db	radar.system.db	PSN	RADAR
DC_TRAIN_APHASIA_Screening	DCTA	CONFIG	
demo	demo	CONFIG	
demo	demo.study.demo	PSN	
DZHK CLOSURE-AF	DZHK CLOSURE-AF	CM	
DZHK CLOSURE-AF	dzhk.study.closure-af	PSN	
DZHK DECIPHER-HFpEF	dzhk.study.decipher	CM	
DZHK DECIPHER-HFpEF	DZHK DECIPHER-HFpEF	CONFIG	
DZHK DECIPHER-HFpEF	dzhk.study.decipher	PSN	
DZHK DEDICATE	dzhk.study.dedicate	CM	DZHK
DZHK DEDICATE	DZHK DEDICATE	CONFIG	DZHK LIMS, BDMS

User interface

Upload logos and customise the user interface.

Adapt user interface

On this site you can adapt the user interface, mainly the the form pages of the iFrames, used to be integrated into other systems.

Logos

📘 PNG and JP(E)G files are allowed.

TTP-Logo (top left)

+ Choose file

Project-Logo (top right)

+ Choose file

DZHK

Deutsches Zentrum für Herz-Kreislauf-Forschung

Selecting font size in forms☒

Select dark mode in forms (including automatic dark mode)☒

Language selection in forms☒

✓ Save

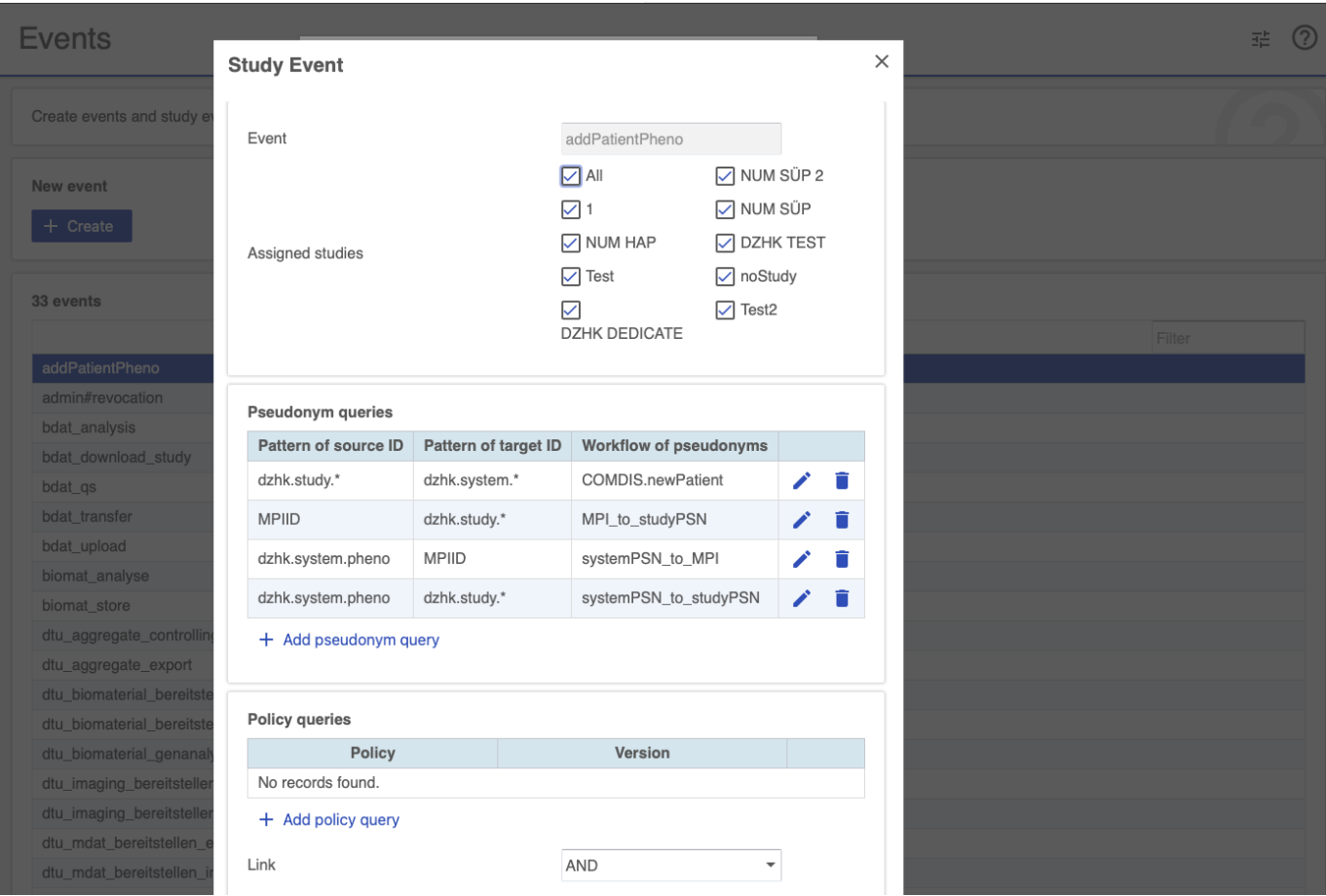
✕ Cancel

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5 / 20

Events

Configure events and study events. Link them to specific functions, psn workflows, policy requests and patient identifiers



Functions

Configure function options. Currently Add patient, Add consent by patient, Manage patient and Request pseudonym for patient are supported here.

Function settings

Configuration for adding a patient.

Add patient

Add consent by patient

Manage patient

Request pseudonym for patient

Allow for participation in several studies

Show warning in case of participation in several studies

Show info page at start of workflow

Show result page at end of workflow

Show page patient exists in case of perfect match

Update IDAT in case of good match

Update IDAT in case of perfect match

Action for possibly-fitting match

Maximum list size for API requests

☒

☒

☒

☐

☒

☐

☐

AUTOMATIC\_SAVE

1,000

Save

Cancel

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IDAT

Link the E-PIX and configure idat parameters that will be used in all studies

Connect the E-PIX and select which fields are required for identifying data.  
Additional fields can be specified in the study configuration.

Parameter

Name	Mandatory	
person.lastName	Yes	
person.firstName	Yes	
person.birthdate	Yes	
person.birthplace	Yes	
person.gender	Yes	

+ Add parameter

E-PIX domain

DZHK

E-PIX domain (OGNL)

Saving external person-group in local identifier-domain (OGNL)

Allow updating even if IDAT do not match with person (only for apiKey = E-PIX-Safe-Source)

☐

Save

Cancel

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7 / 20

Systems

Configure extern systems and the integration with the dispatcher

Systems

Enter external systems and specify con

New system

+ Create

6 systems

Name
BDMS NUM

1-1 of 1

Independent Trusted Third Party of the University M

Edit system

Name \*

BDMS NUM

ID

bdms.num.log

Phone

Contact person

Phone number

E-mail

Contact person

E-mail-address

Custom fields

Key	Value
No records found.	

+ New field

Barcodes

System

NONE

PSN	Barcode
No records found.	
LIMS	NONE

Misc

Notification of consumer

bdms.num.log

SSL configuration

NONE

Client authentication

NONE

Redirect ID parameter

pid

Callback search regex

PSN

PSN types that are displayed in forms can be defined in the **Types tab**.



Pseudonyms

Enter **types** that are used for display in forms and for connection to policies.  
In **workflows**, specify which steps are required for pseudonym resolution.  
Specify **domain resolutions** that can flexibly determine the target domain when calling functions using OGNL.  
Configure **domain templates** that enable the dispatcher to create new PSN domains in the gPAS for each research request.

Types

Workflows

Domain resolution

Domain templates

New pseudonym type

+ Create

3 pseudonym types

Filter

Name	PSN workflow	Target domain
LIMS	systemPSN_to_systemPSN	dzhk.system.lims
BDMS	systemPSN_to_systemPSN	dzhk.system.bdms
PHENO	systemPSN_to_systemPSN	dzhk.system.pheno

1-3 of 3

<< 1 >>

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Steps for pseudonym resolution are defined in the **Workflows tab**.

Pseudonyms

Enter **types** that are used for display in forms and for connection to policies.  
In **workflows**, specify which steps are required for pseudonym resolution.  
Specify **domain resolutions** that can flexibly determine the target domain when calling functions using OGNL.  
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Types

Workflows

Domain resolution

Domain templates

New PSN workflow

+ Create

PSN workflow

COMDIS.

COMDIS.

MPI\_to\_studyPSN

MPI\_to\_studyPSN

MPI\_to\_studyPSN

studyPSN

studyPSN

systemPSN

systemPSN

systemPSN

1-10 of 10

Update PSN workflow

ID \*

MPI\_to\_studyPSN

Return value

Last pseudonym

Fire CDI event after each step☐

Mappings

ID	Source domain	Target domain	
MPI_to_studyPSN.MPIID	MPIID		

+ Add mapping

Steps

Domain	Source value	Action	Regex of prefix	Domain pattern for value deletion	Update first MPI	
target	Original value	Get			false	

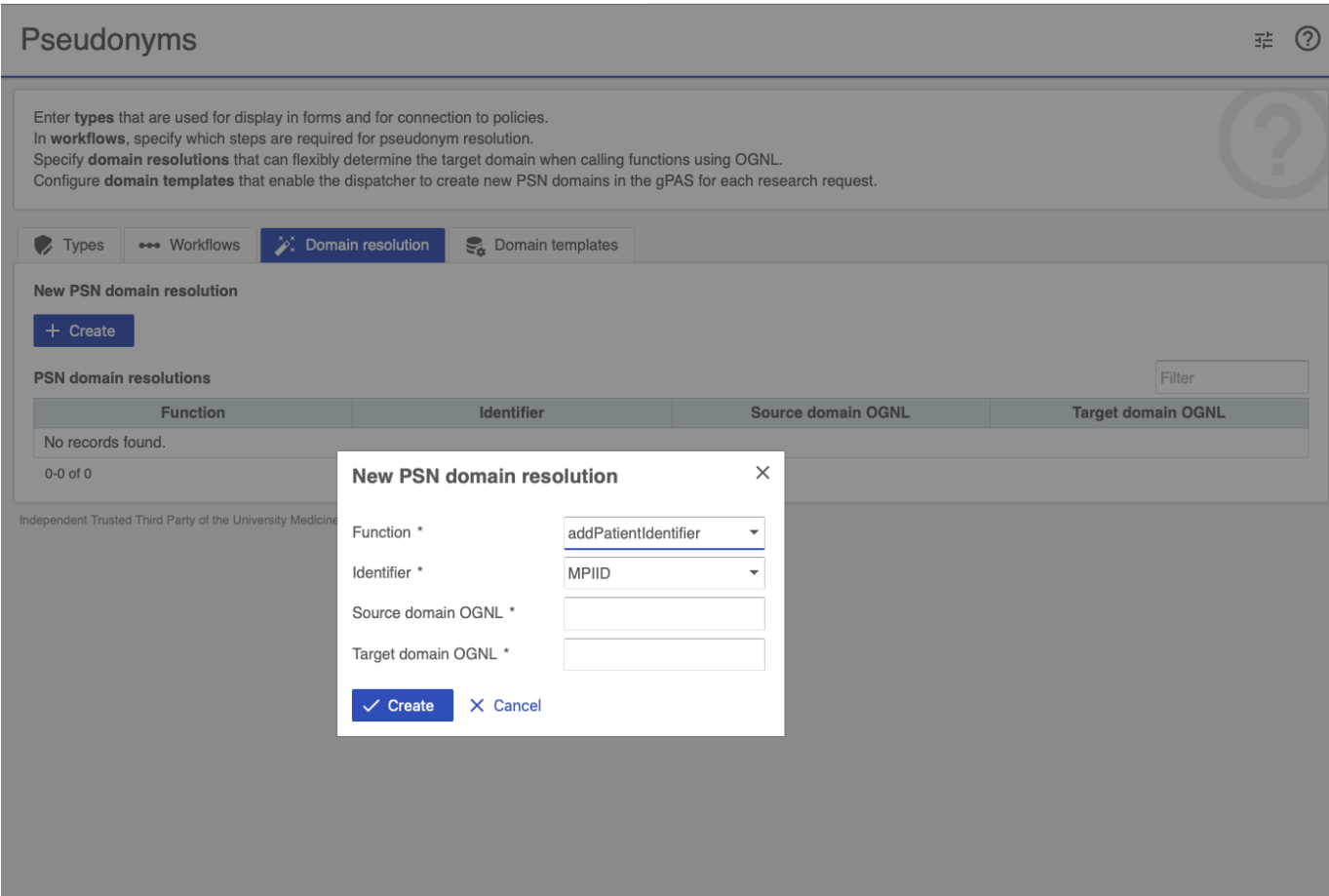
+ Add step

Save

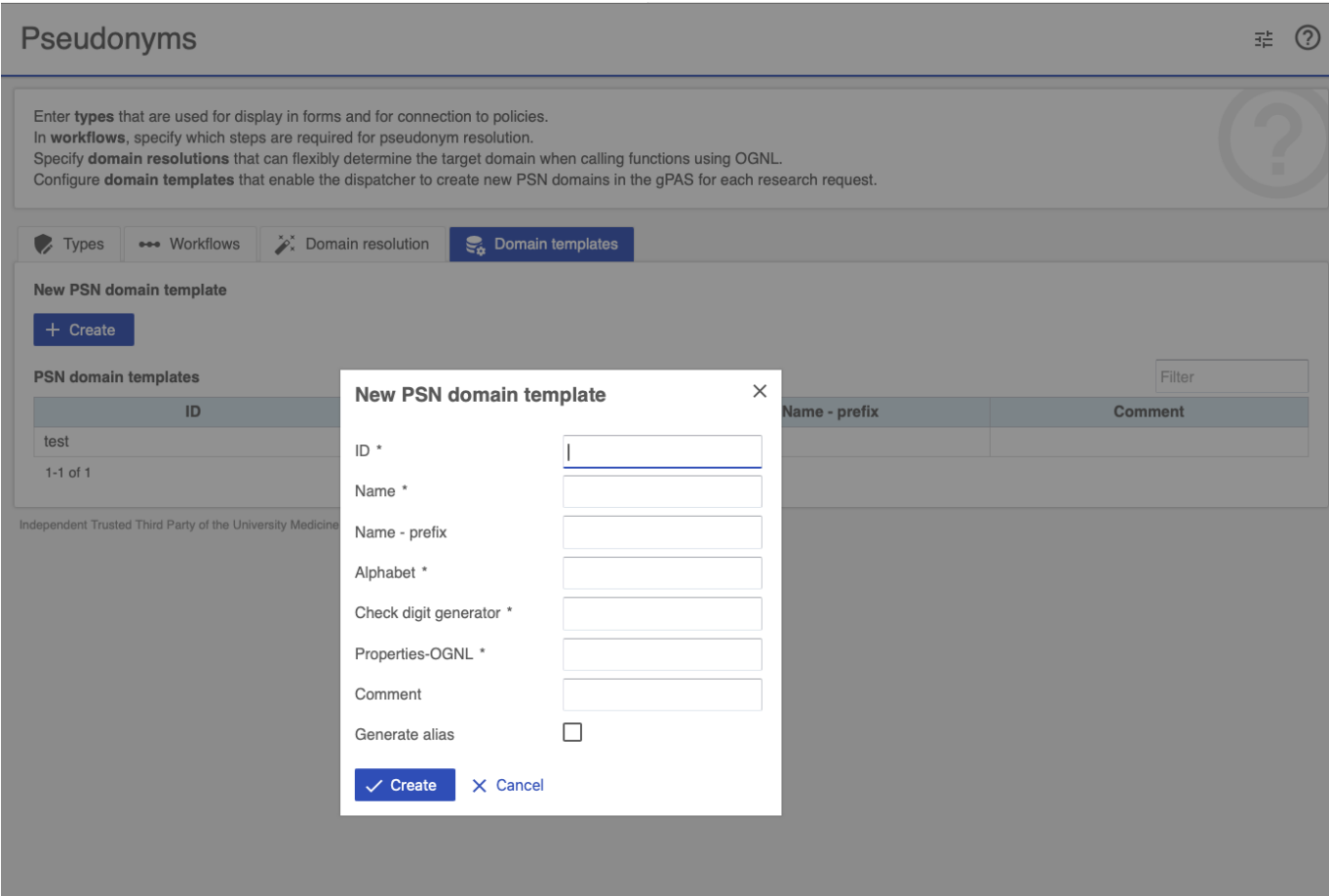
Cancel

In the **Domain resolutions tab**, PSN domains can be determined dynamically using OGNL.

9 / 20



Templates for the automatic creation of PSN domains are created in the **Domain templates tab**.



Use Dispatcher to generate detailed reports on participants, their consents and pseudonyms. Choose from a variety of filters, columns and display options. The reports can be generated automatically at defined times and sent by email or notification.

Reports

Configure report templates from which the dispatcher automatically generates new reports.

New report template

+ Create

Import report template

+ Choose file

3 report templates

Name	Type	Interval of generation	Reports	Duration	Rows	Last Report
Test	Sum	Manually	11	2 s	28	2024-08-26 13:19:24
test-issue-1	Sum	Manually	15	2 s	1	2024-08-26 16:25:15
a1					0	2024-08-26 16:22:21

1-3 of 3

Edit report template

Settings

Recipient

Filter

Group columns

Filter columns

Use filters to specify which participants and documents should be included in your report.

Type	Filter value	Comparison
Study	[NUM HAP]	

+ Add filter

Save

Cancel

What kind of filter would you like to add?

Filter by patients

Study

Filter by patients who have signed a document for a selection of studies in the past.

+ Filter for studies Add

Study center

Filter by patients who have signed a document in the past at a selection of study centers.

+ Filter for centers Add

Policy status

Filter by patients who are currently consenting to a policy. This also takes into account revocations, expiration dates, invalidations, quality status and optionally the time period filter.

+ Filter for policies Add

Filter by documents

Template

Filter whether only documents of a certain type or from a selection of templates should be included in the report.

+ Template filter Add

Quality

Filter for documents that have a specific quality status or quality type.

+ Filter for quality Add

Scan

Filter by documents that have or do not have a scan.

+ Scan filter Add

Time range

Filter by documents that were created or signed within a certain time period.

+ Time range filter Add

Modul

Filter for documents in which a module is set and has a certain status.

+ Modul filter Add

Selection of one document per patient

Dokument selection

Select which document of a patient should be reported if several documents match the other filters.

Report contains only 1 line per participant.

Server

Configure server options, email servers and apply additional server dependent styling

Server configuration

⌵ ?

Specify settings of the server infrastructure in which the dispatcher is operated.

Address

Protocol type

http

Domain

localhost

Port

8080

Web Context-Root

Regex for internal Redirects

Options

Session timeout

3600

Audit

☒

Customizing

Environment label

Development

Styles css

E-mail configurations

aa

ID ↕	Label ↕	Host ↕	Server port ↕	Username ↕	Debug recipient ↕
No records found.					

0-0 of 0

< << 1 >> >

+ Create new email configuration

Security

Configure users, roles and permissions for external systems

Security

Security

Security

Create permissions for dispatcher actions and objects

User

Roles

Authorizations

+ Create new authorization

52 authorization available

Filter

ID ↕↑	Description	Action	Object
addPatientPheno_event		addPatientPheno	event
bdat_analysis_event		bdat_analysis	event
bdat_download_study_event		bdat_download_study	event
bdat_qs_event		bdat_qs	event
bdat_transfer_event		bdat_transfer	event
bdat_upload_event		bdat_upload	event
biomat_analyse_event		biomat_analyse	event
biomat_store_event		biomat_store	event
call_addConsentByPatient		call	addConsentByPatient
call_confirmNotification		call	confirmNotification
call_demoController		call	demoController
call_getNotifications		call	getNotifications
call_managePatient		call	managePatient
call_manageRevocationLegacy		call	manageRevocationLegacy
call_queryLegitimationStatus		call	queryLegitimationStatus
call_requestPSN		call	requestPSN
create_addConsent		create	addConsent
create_addConsentByPatient		create	addConsentByPatient

Studies

Configure studies, link the gICS, set consent options and configure study specific idat parameters.

Studies

Studies

Create studies and manage settings for workflows, consents and identifying data.

New study

+ Create

9 studies

Filter

Study ID ↕↑	Display name	Template configuration
1	1	<div>Edit</div>
DZHK DEDICATE	DZHK DEDICATE	<div>Add</div>
DZHK TEST	DZHK TEST	<div>Add</div>
noStudy	NO STUDY	<div>Add</div>
NUM HAP	NUM HAP	<div>Edit</div>
NUM SÜP	NUM SÜP	<div>Add</div>
NUM SÜP 2	NUM SÜP 2	<div>Edit</div>
Test	Test	<div>Edit</div>
Test2	Test2	<div>Edit</div>

1-9 of 9

< << 1 >> >

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Configure enhanced consent workflows with right-click -> Template Configuration Here you can provide different templates depending on the study centre and user given answers for defined questions. You can define if the templates should be mandatory, digital or expired.

Template configuration

Here you specify under which **conditions** (e.g. study center) the participant should be offered which consent template. To expand it, click on the arrow in front of the condition. To edit or delete the condition, click on it.

If one of your consent templates contains **placeholders**, you can fill them in here.

If you have defined **questions** in the *Set questions* tab, you can create different sets here. A **set** is a collection of templates that is displayed to the user after they have answered questions. For each set, questions and answers can be defined, which determine the selection of the set.

For each **template** added, you can define the following **properties**: Optional/mandatory, paper/tablet signature, expiration.

Template configuration - NUM HAP

Conditions / study centers

Set questions

More information

Additional documents

Import

Export

Study center Berlin - Charite (3 Sets)

Options

Digital signature Tablet

Consent via second device Yes

Questions

Tablet? Ja

2. Gerät Ja

Add question

Templates

NUM-HAP-Pa-Erwachsene-V-100.0	Added on 2024-06-14	Expired on 2024-06-14	<div></div>	<div></div>	<div></div>	<div></div>
BDAT Test V 1.0	Added on 2024-06-04		<div></div>	<div></div>	<div></div>	<div></div>
Add template						

More documents

Centres

Configure centres and apply them to your studies.

14 / 20

Centres

Create centres, assign study centres and enter contact details.

Create new centre

+ Create

Import contact data

+ Choose file

48 centres

ID ↕↑

Title

Studies

Language

123

123

DZHK TEST

Aachen

Aachen

NUM SÜP, NUM HAP

de

Augsburg - UK

Augsburg - UK

NUM SÜP

Berlin - Charite

Berlin - Charité

NUM HAP

de

Blub

Blub

Test, Test2

Bochum - St. Josef Hospital

Bochum - St. Josef Hospital

NUM SÜP, NUM HAP

de

Bonn

Bonn

NUM SÜP

Dresden - TU

Dresden - TU

NUM SÜP

Erlangen

Erlangen

NUM SÜP

Essen - UKE

Essen - UKE

NUM SÜP

Flensburg

Flensburg

NUM SÜP

Frankfurt (Main) - UK

Frankfurt (Main) - UK

NUM HAP, NUM SÜP

Gießen - Marburg

Gießen - Marburg

NUM HAP

Göttingen

Göttingen

NUM SÜP

Greifswald

Greifswald

NUM SÜP

Hamburg - UKE

Hamburg - UKE

NUM SÜP

Hannover

Hannover

NUM HAP

Heidelberg - Innere IV

Heidelberg - Innere IV

NUM HAP, NUM SÜP

Datatable

See and edit all entries in your configuration datatable.

Config Entries

Here you can add new config entries or edit, duplicate, (de)activate and delete existing ones.  
Entries can be filtered with the table filter in the top right corner or with the column filters. The column filters support a negative search if you prepend a ! sign.

New Entry

+ Create

Current configuration: 4009

Edit

Reloaded from database

106 Config Entries

Key ↕↑

Value ↕↑

Comment ↕↑

Activated ↕↑

Filter

Filter

Filter

Filter

dzhk.ticket.categories

Einverständniserklärung;Patientendaten;Sonstiges

Yes

dzhk.dispatcher.config.current

22

Yes

dispatcher.config.current

4009

Yes

dzhk.dispatcher.config.override

true

Yes

dzhk.lims.send

true

Yes

dispatcher.wfm.restart

false

Last restart at 2015-07-21 19.52.17

Yes

dispatcher.rest.json.schema.N\_S

{ "\$schema": "http://json-schema.org/draft-04/s...

Yes

dispatcher.rest.json.schema.Definitions

{ "type": "object", "id": "ths", "definit...

Yes

dispatcher.config.override

true

Yes

dzhk.signerIdType

studyId

Yes

dzhk.lims.excludeStudiesSecutrial

DZHK DEDICATE

Yes

zkk.r.signerIdType

studyId

Yes

dzhk.studyIdat.value1

DZHK DEDICATE

Yes

dzhk.defaultStudy

TU1

Yes

dzhk.studyIdat.value2

Yes

xdispatcher.web.text.custom

de.jsf.form.consent.info.CONSENT = Übertragen Sie ...

DZHK

Yes

15 / 20

Tablet

Configure tablet options like automatic pdf generation and the camera for qr code scanning.

Tablet Consent

Here you can define settings for the tablet consent feature.  
You can specify an OGNL expression that uses the UserAgent and GET parameters to decide which camera should be used by default for reading the QR Code with the tablet.  
You can also set the maximum number of incorrect code entries before an IP is blocked.  
Below is a list of all IP addresses with the number of incorrect code entries. Red entries are blocked.  
You can repeat this list of incorrect entries to unlock the IPs again.

Generating PDF

Generating the PDF via Chrome provides an exact image of the consent.  
For this, a Google Chrome browser and the corresponding Chrome driver must be installed on the server.  
The Chrome Driver can be downloaded here: <https://chromedriver.chromium.org/downloads>

Method

Google Chrome

Chromedriver installation path

Locale host \*

http://localhost:8080

Test PDF generation

PDF options

☒ Print

☒ Download

☒ Preview

Save

Cancel

Camera

OGNL Expression to determine the standard camera

0

Save

Cancel

5. Withdrawals

Withdrawal configuration

Configure withdrawal workflows.



Withdrawal-Workflows

Configure the required steps of your withdrawal workflows.

Create new workflow

+ Create

Import workflow

+ Choose file

3 workflows

Current Version

Old Version

Filter

Name	ID	Version
ads	ads	1
Test ohne IDAT	test_ohne_idat	5
Vollständiger Widerruf mit Datenlöschung	vollständiger_widerruf_mit_datenlöschung	1

1-3 of 3

<< 1 >>

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Withdrawal-Workflows

Configure the required steps of your withdrawal workflows.

Edit workflow

Generally

1. Documentation

2. Confirm receipt

3. Complete the withdrawal

4. Request

5. THS conclusion

6. Confirm implementation

Reminder period

0

Active

☒

May be skipped

☒

Send revocation notification (deprecated)

☒

Recipients of requests

recipient	Condition	E-mail	Notification	Immediate sending	Confirmation	
Study Centre						
LIMS (Basismaterial)						
LIMS (Studienmaterial)						
SecuTrial						
Additional Receiver						

New Receiver

SecuTrial

+ Add

Save new version

Overwrite current version

Cancel

Processes

Document and implement withdrawals and track the processing status in external systems

17 / 20

Withdrawals

Create withdrawal processes to manage all steps of the withdrawal workflow with the Dispatcher.

New withdrawal process

+ To document

All Open

To Edit

Wait

Completed

Cancelled

100 open processes

Show steps

Display columns

Filter

ID	Workflow	Study	MPI	Patient ID	Pseudonyms	Progress	Status	Updated on
178	Vollständiger Widerruf mit Datenlöschung	NUM HAP	1001000107833	num_hap_449774054	pheno_651576731 lims_352367318 bdms_824134820		Created	2024-07-17 11:01:54
177	Vollständiger Widerruf mit Datenlöschung	NUM HAP		num_hap_804562192	pheno_519847610		Created	2024-07-16 08:57:46
176	Test ohne IDAT	NUM HAP	1001000107611	num_hap_537114473	pheno_680864161 lims_213104581 bdms_994551412		Pending	2024-06-27 12:31:33
175	Test ohne IDAT	NUM HAP	1001000105112	num_hap_816748080	pheno_295224593		Created	2024-05-02 20:27:25
174	Test ohne IDAT	NUM HAP	1001000105129	num_hap_542852481	pheno_011808633		Created	2024-05-02 20:19:36
170	Test ohne IDAT	NUM HAP	1001000104719	num_hap_260072299	pheno_003201396 lims_796300388 bdms_563315401		Created	2023-12-11 13:33:05
169	Test ohne IDAT	NUM HAP	1001000104702	num_hap_040954725	pheno_223037602 lims_399107082 bdms_112852915		Created	2024-03-13 12:15:50
168	Test 2	NUM HAP	1001000104672	num_hap_113103169	pheno_035180683 lims_010890541		Created	2023-12-11 13:38:53

6. Notifications

Notification configuration

Configure notifications.

18 / 20

Configure notifications

Configure the s

Configu

+ Create ne

3 recipient

ID ↕ ↑

bdms.dzhk.log

bdms.num.log

lims.log

1-3 of 3

Independent Trusted

recipient

ID \*

API-key

Description

Target ID type

PSN

Target ID domain \*

Target-ID external

URL

Data format \*

JSON

Connector \*

HTTPS\_POST

Timeout

0

Type configuration

Type	Studies filter	Studies	Active	Event-filter	Metadata filter	Metadata
No records found.						
<a href="#">+ New type configuration</a>						

Additional parameters

No records found.

Locale identifier

No records found.

Active

☒

Entries

View and resend notifications for external systems.

Notifications

환 ?

Notifications can be filtered with the table filter in the top right corner or with the column filters. The column filters support a negative search if you prepend a ! sign. Sorting will keep transactions grouped and is done by comparing the first notification in each transaction.

1 transactions with 1 notifications from 2024-10-21 To 2024-10-28 Load

Notification ID ↕ ↑	Type ↕ ↑	Date created ↕ ↑	Receiver ↕ ↑	Study ↕ ↑	Source ID ↕ ↑	Source Type ↕ ↑	Status ↕ ↑
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
a4b7e3e9-2492-4c61-a891-58c8945debe3	New patient	2024-10-23 11:21:07	lims.log	NUM SÜP 2	123	NUM SÜP 2	<div>Error ↺</div>
Transaction: 8db5e9b9-1784-4a71-b52c-ece1a752a35f							

1-1 of 1

⏪ ⏩ 1 ⏪ ⏩

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## 7. Additional Information

The TTP-Dispatcher was developed by the Independent Trusted Third Party of the University Medicine Greifswald in 2012 and first published in 2015 as part of the [MOSAIC-Project](#) (funded by the DFG HO 1937/2-1).

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## Credits

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Concept and implementation: P. Penndorf, A. Blumentritt, L. Geidel

Web-Client: P. Penndorf, A. Blumentritt

Docker: R. Schuldt, F. M. Moser

## License

License: AGPLv3, <https://www.gnu.org/licenses/agpl-3.0.en.html>

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Contact: <https://www.ths-greifswald.de/kontakt/>

## Supported languages

German, English