ITFplus
THE INTERFACE FRAMEWORK

- CONFIGURING INSTEAD OF PROGRAMMING
- SIMPLE, POWERFUL AND FLEXIBLE

ITFplus

THE CONFIGURABLE MIDDLEWARE

ITFplus is a middleware for multi-directional data exchange between different software systems.

The powerful platform enables flexible integration of applications and business processes.

- Efficient automation of processes
- Consistent data in all connected business applications
- Support for common data exchange standards
- Providing tools that technicians and non-technicians can use to work interlocked
- Very good error handling
- Monitoring of processes in real time
- Excellent cost-benefit ratio
- Stable, expandable and safe

ITFplus

THE COMPONENTS

Import Connector

- SQL Databases
- Text formats
- MS-Azure
- Sharepoint
- LDAP
- Sciforma
- Atlassian
- SAP
- Google
- ChatGPT
- Webservices
- ...

Import profile

- Configurations
- History
- Actions
- Cache tables

Processing logic

- Configurations
- Replacement lists
- Replacements
- Own logics
- Actions
- History

Export profile

- Configurations
- History
- Actions

Export Connector

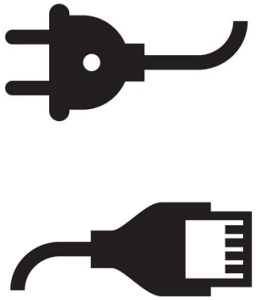
- SQL Databases
- Text formats
- MS-Azure
- Sharepoint
- LDAP
- Sciforma
- Atlassian
- SAP
- Google
- ChatGPT
- Webservices
- ...

Central components

ITFplus

DETAILED INFORMATION ABOUT CONNECTORS (1/2)

The following import and export connectors are available in ITFplus:



System / Technology	Details
SQL Databases	Microsoft SQL Server, Oracle, DB2, MySQL, MS Access, PostgreSQL, H2
Text formats	CSV, TXT, XML, Excel, MS-Project, Read only: iCal, PDF with text extraction
MS Azure	Everything covered by the Azure API (Sharepoint, Team Foundation Server, Office-Documents, Exchange)
Sharepoint	Sharepoint-API
LDAP	LDAP-API
Sciforma	Sciforma Java-API, in the future Webservices REST-API

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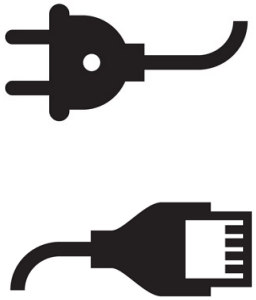
DETAILED INFORMATION ABOUT CONNECTORS (2/2)

The following import and export connectors are available in ITFplus:



System / Technology	Details
Atlassian	Jira via REST-API
SAP	SAP RFC via Java API, SAP PI with RFC, SAP PI via Webservices, SAP CPI
Google	Calendars, tables, files on Google Drive
Webservices	SOAP, REST, Sharepoint, InLoox
Chat GPT	API
Access procedures	http, https, sftp, ftp, ftps
Security	User authentication, token handling with Microsoft and Jira, SAP via encrypted XML

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DETAILED INFORMATION ON PROCESSING LOGICS

ITFplus implements a variety of processing logics. Further processing logics can be supplemented with little effort.

Processing logics	Examples
Computational logic	Addition, subtraction, multiplication, division, sum, maximum, minimum, ...
Text editing	Textual merging, textual replacement, textual reduction, textual supplementation or formatting changes, JSON processing, ...
Date	date calculation, date conversion, ...
Logic	Compare, if - then, search and replace, links, ...

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SELECTED REFERENCES (1/2)

SMS SIEMAG
SMS group

DFS Deutsche Flugsicherung

SRG SSR

1&1

BOMAG
FAYAT GROUP

Berliner Wasserbetriebe

kieback&peter

empiriecom
A member of the otto group

sartorius

KBV KASSENÄRZTLICHE BUNDESVEREINIGUNG

SOKA-BAU
Service + Vorsorge für die Bauwirtschaft

EDEKA

Schindler

Landis+Gyr

giz

enercity
positive energie

RATIONAL

ITFplus

SELECTED REFERENCES (2/2)

BOSCH

SELL®

BTC

JÜLICH FORSCHUNGSZENTRUM

BIOTRONIK excellence for life

BORGERS

metric

HIS Hochschul Informations System GmbH

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

SAMSON

Leuze electronic the sensor people

hama®

MEYER BURGER

Stadtwerke Karlsruhe Besser versorgt, weiter gedacht.

infraserv höchst Element Ihres Erfolgs.

symrise

DACHSER Intelligent Logistics

CLAAS

tesa®

elia group Elia | 50Hertz | EGI

OOWV

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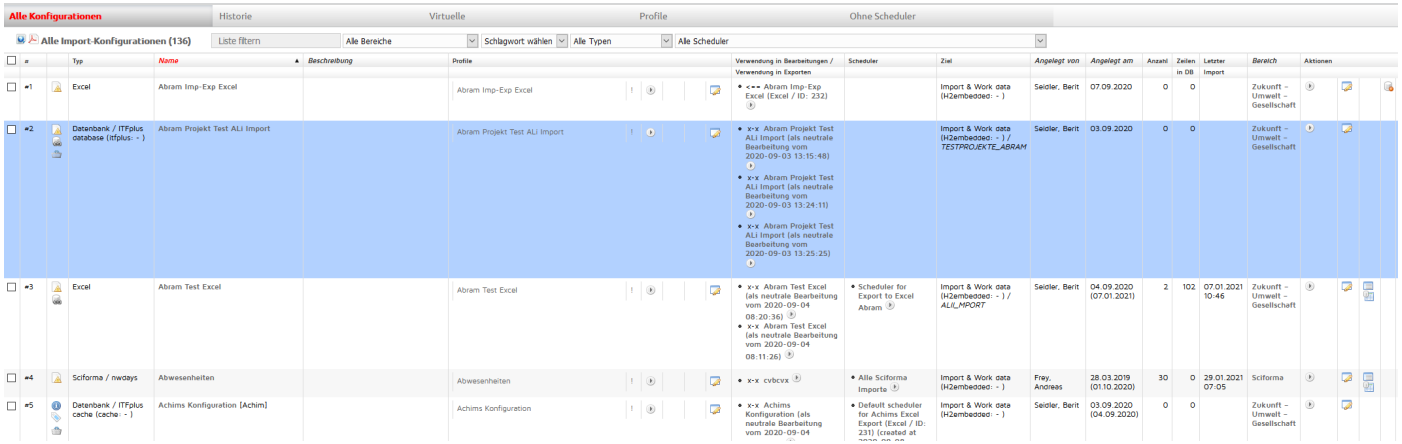
IMPORT CONNECTORS



STANDARD CONNECTIONS FOR IMPORTING DATA FROM DIFFERENT SOURCES

- Various SQL databases, CSV files, XML files (also Microsoft Project), Microsoft Excel files, LDAP directories, Sciforma, SAP and Web Services.
- Access authorizations to the connected systems are stored in the connectors.

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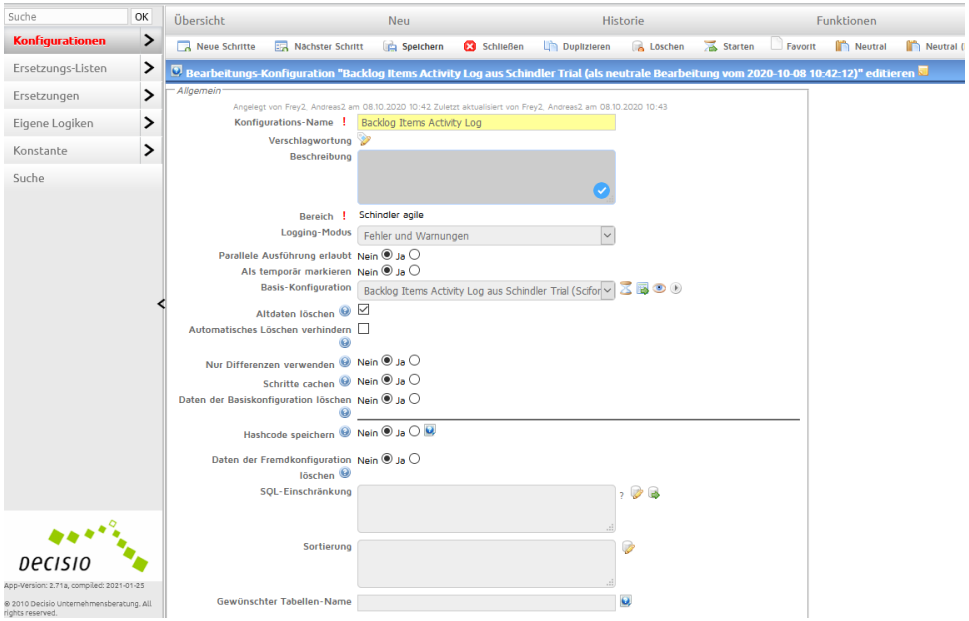
PROCESSING PROFILES

SIMPLE DEFINITIONS OF PROCESSING LOGICS

- Processing profiles refer to single or multiple import profiles.
- The data to be processed is selected by the results of import profiles.
- The processing profiles specify how the imported data should be processed.
- Possible processes are arithmetic operations and text edits.



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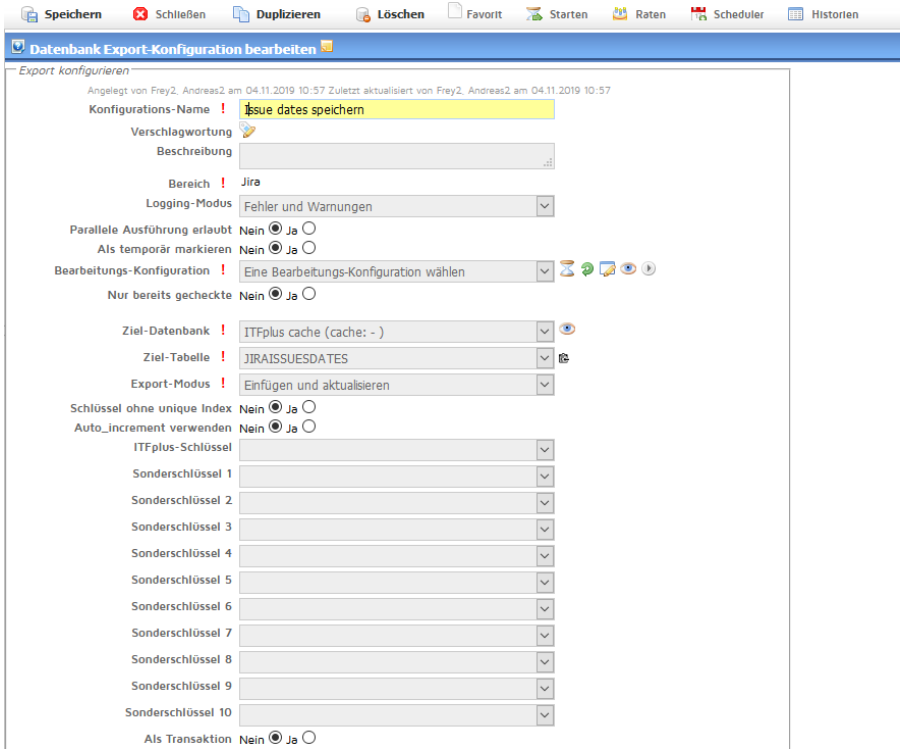
EXPORT PROFILES

SIMPLE DEFINITION OF THE RECORDS TO EXPORT

- Selecting the result of an processing profile opens the internal source and offers the available records for selection.
- The export profile determines which records are transferred to the desired target system.



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EXPORT CONNECTORS

#	Name	Beschreibung	Bearbeitungs-Konfiguration	Typ	Sciforma Verbindung	Angelegt von	Angelegt am	Anzahl	Letzter Lauf	Bereich	Aktionen
#1	Benutzer AABBO exportzieren		-Dummydaten für Stundenzettelexport-Test	Benutzer (in Arbeit / Einfügen und Aktualisieren)	Decisio	Frey2, Andreas2	07.01.2020 (05.08.2020)	0		Sciforma	
#2	Benutzer aktualisieren		-Benutzer aus Sciforma importieren	Benutzer (in Arbeit / Einfügen und Aktualisieren)	Sciforma s71decisio 2020.06 (build 7,933)	Frey2, Andreas2	05.12.2019 (23.06.2020)	30	29.01.2021 07:08	Sciforma	
#3	Benutzer nach Sciforma exportieren Test für ZUG		Benutzer Import aus Excel für ZUG Test bearbeiten	Benutzer (in Arbeit / Einfügen und Aktualisieren)	Decisio	Frey2, Andreas2	08.09.2020	0		Zukunft – Umwelt – Gesellschaft	
#4	globale felder exportieren		-Dummydaten für Stundenzettelexport-Test	Globale Felder (in Arbeit / Einfügen und Aktualisieren)	Decisio	Frey2, Andreas2	07.08.2020	0		Sharepoint	
#5	Jira Projekte nach Sciforma exportieren		Bearbeiten von 2020 Jira Projekte	Projekte (in Arbeit / Einfügen und Aktualisieren)	Sciforma 2020.06	Ouaserhatou, Mustapha	08.07.2020	0		Jira	
#6	mhjgjh		Bearbeiten der Jira Projekte 20201	Benutzer (in Arbeit / Nur aktualisieren)	Decisio	Ouaserhatou, Mustapha	14.02.2020	0		Sciforma	

STANDARD CONNECTIONS FOR EXPORTING DATA FROM DIFFERENT DATA SOURCES

- Various SQL databases, CSV files, XML files (also Microsoft Project), Microsoft Excel files, LDAP directories, Sciforma, SAP and Web Services.
- The export connectors determine which records can be transferred to the connected systems.
- Access authorizations to the connected systems are stored in the connectors.

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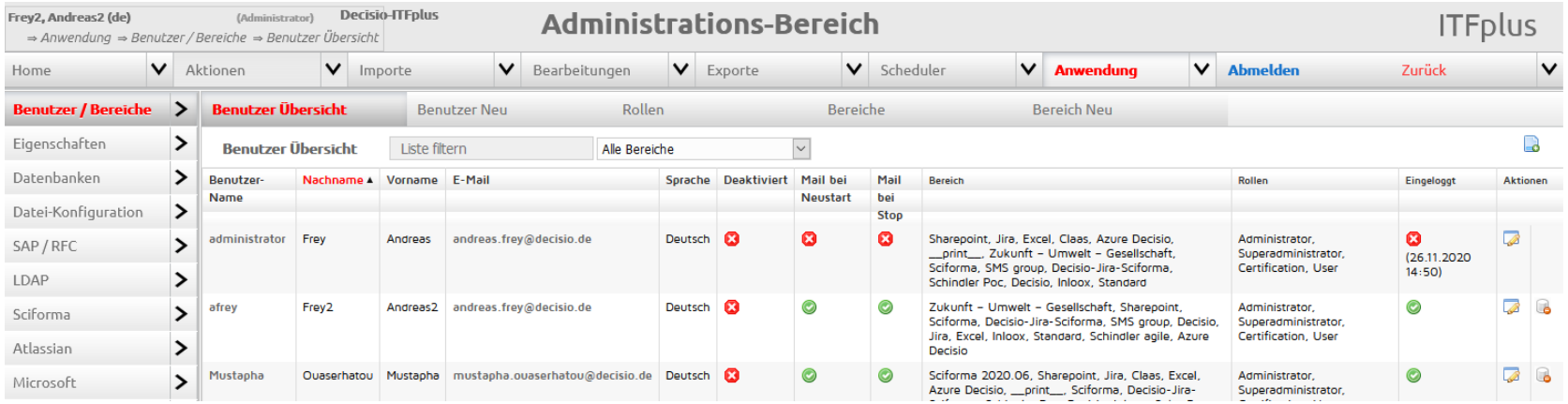
CENTRAL COMPONENTS - USER MANAGEMENT



MAINTAINING USER AND LOGIN DATA

- Name, email, username, language, section assignment, password

MAPPING TO USER ROLES

- Administrators, Users, Readers

ASSIGNMENT TO SECTIONS

- Access to configurations that are assigned to sections

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CENTRAL COMPONENTS - SECTION MANAGEMENT

MAINTENANCE OF THE SECTIONS.

- Division the application into different user sections
- Control of processing logics in different user sections

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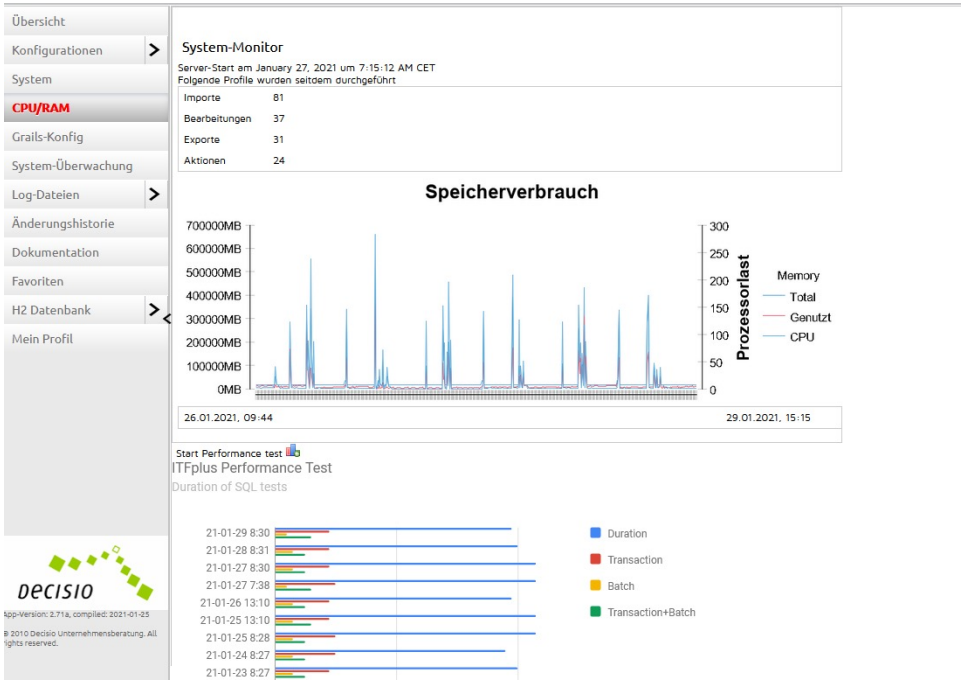
CENTRAL COMPONENTS – SYSTEMS MONITORING

MONITORING

- Display of the system state.
- Support for system sizing.
- Troubleshooting assistance.



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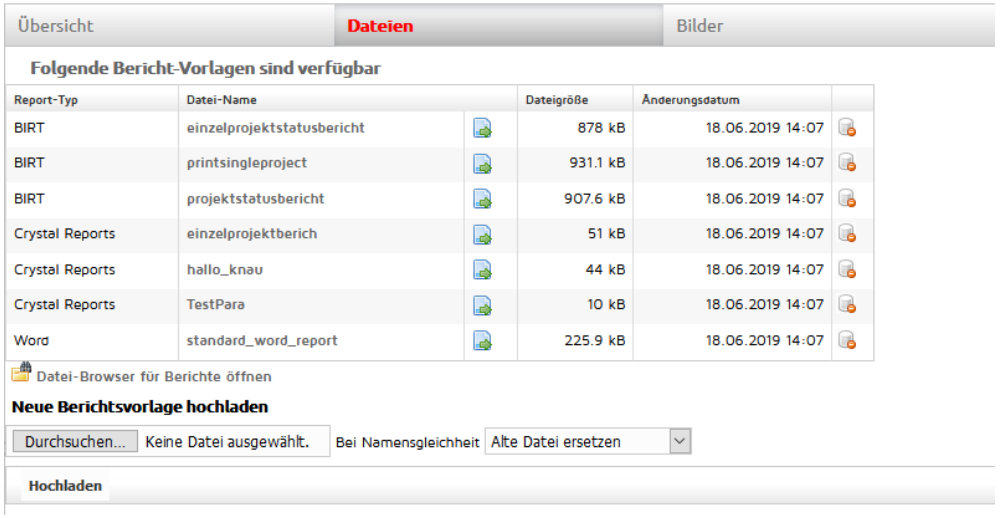
CENTRAL COMPONENTS - REPORTS



CONFIGURATION OF CUSTOMER REPORTS.

- In ITFplus, profiles for the creation of reports can be stored.
- The layout of the reports is created in BIRT)*.
- The reports can then be created and distributed using a batch routine.

)* BIRT - An open source technology platform used to create data visualizations and reports that can be embedded into rich client and web applications.
Quelle: http://eclipse.org/birt/

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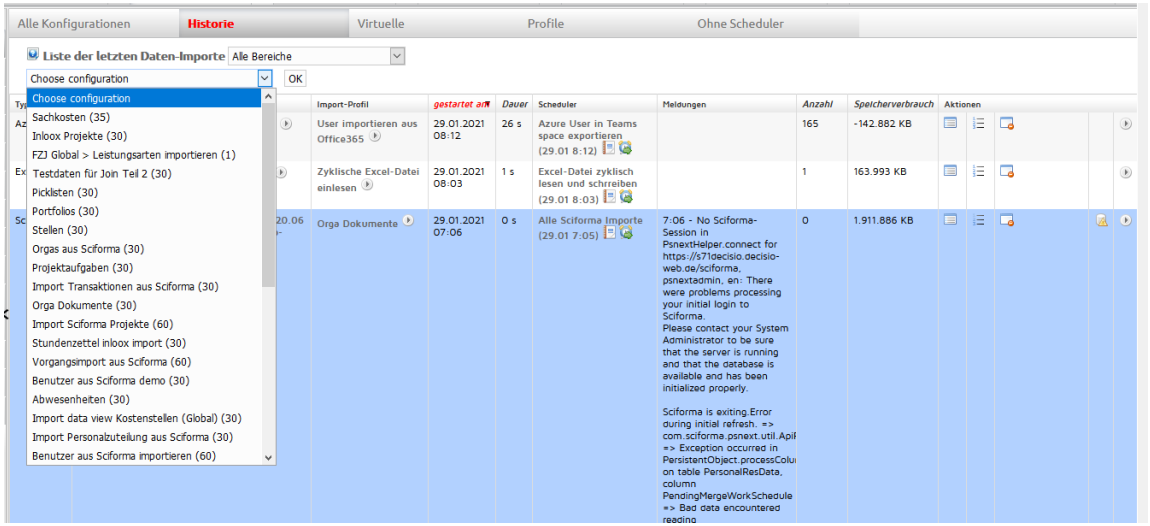
CENTRAL COMPONENTS – ERROR-LOG



LOGGING OF PROCESSING

- Clear presentation of the processed profiles
- Display of execution times
- Issuing error messages
- Basis for communication for support

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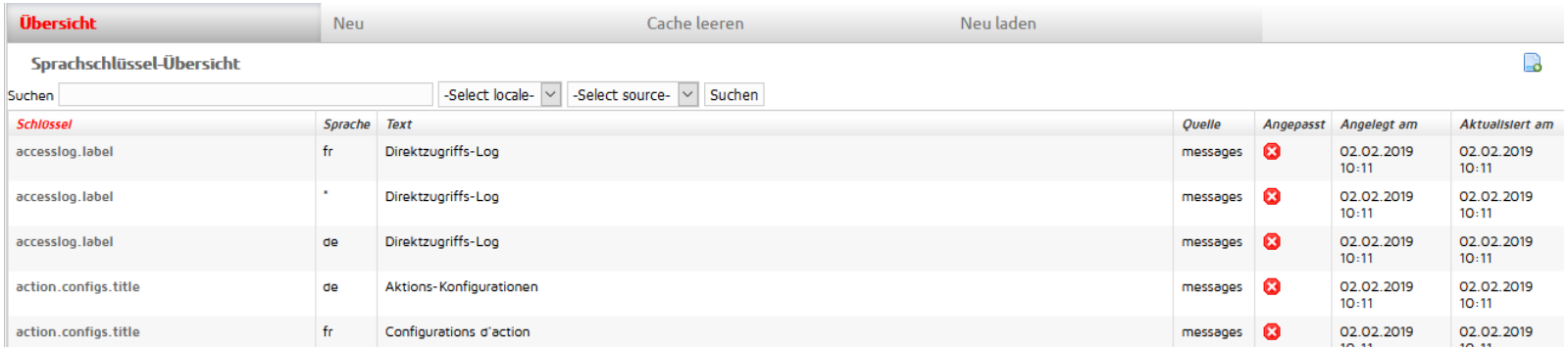
CENTRAL COMPONENTS – LANGUAGE KEYS



Übersicht | Neu | Cache leeren | Neu laden

Sprachschlüssel-Übersicht

Suchen -Select locale- -Select source- Suchen

Schlüssel	Sprache	Text	Quelle	Angepasst	Angelegt am	Aktualisiert am
accesslog.label	fr	Direktzugriffs-Log	messages		02.02.2019 10:11	02.02.2019 10:11
accesslog.label	*	Direktzugriffs-Log	messages		02.02.2019 10:11	02.02.2019 10:11
accesslog.label	de	Direktzugriffs-Log	messages		02.02.2019 10:11	02.02.2019 10:11
action.configs.title	de	Aktions-Konfigurationen	messages		02.02.2019 10:11	02.02.2019 10:11
action.configs.title	fr	Configurations d'action	messages		02.02.2019	02.02.2019

CONFIGURATION OF LANGUAGE

- Definition of the desired language
- English and German are standard
- Other languages freely configurable

ITFplus
SYSTEM REQUIREMENTS

- Java web server (mostly Tomcat, from 8.5)
- Java (for SOAP it must be JDK) only version 8
- Server capacity (computing power and storage space. ITFplus is packed approx. 500MB in size, unpacks approx. 800 MB)
- Memory for Tomcat maximum large, at least 8GB, if possible more. Some customers have up to 36GB of RAM.
- The amount of disk space required depends heavily on the requirements for the amount of data to be processed. Precise information is only possible after an analysis of the interface requirements. In order for the databases to be shut down properly, they need twice the storage space for a short time. If the 5 ITFplus-owned databases are 10 GB in size and the largest of them 5 GB, ITFplus needs 15 GB to exit even the largest database correctly.
- The ITFplus server must have access to these systems for communication with third-party systems.

ITFplus
LICENSE MODEL

ITFplus S

- Use of connectors for Sciforma and one other external component.

ITFplus M

- Use of connectors for Sciforma and two other external components.

ITFplus L

- Use of all external components offered.

Other Connectors

- Active Directory
- Azure-API (Calender, User, Mail, ...)
- Sharepoint-API (Dokuments, User, ...)
- Jira-Installation
- external SQL-Database
- SAP-Module
- WSDL-File for a Web-Service

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OPERATING MODELS

On Premise

- You purchase an ITFplus license and run the system yourself on your own server in your own infrastructure.

SaaS by Decisio

- You rent ITFplus incl. operation by Decisio. Operation takes place in a German data center.

SaaS by Sciforma

- You rent ITFplus incl. operation by Sciforma. Operation takes place in the Amazon Web Service.

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CUSTOMIZING

In many cases, only a few days of consulting are required for customizing. During this period, the following services are provided:

- Install ITFplus in a development, testing, and production environment.
- Configuration of basic connections and imports.
- Instruction of interface administrators.
- Support in the test and go-live phase.

For more complex topics, we will work with you on an interface concept and then create a separate offer for the implementation.

ITFplus
MAINTENANCE

Maintenance includes:

- Troubleshooting (error reporting online via helpdesk platform).
  - Adaptations of the software product to
  - to new release levels of the undersigned operating system software
  - to new release levels of the undersigned database
  - to new release levels of the web server used
  - to new release levels of the server-integrated scripting language
  - Provision of new standard connectors as part of product maintenance

Not included in maintenance is the new development of connectors due to a change of technology on the side of the connected system.

ITFplus
CONTACT

- Do you want to avoid the complex development of individual interfaces in your customer projects?
- Would you like to know how we can quickly and flexibly combine your software solution with your customers' existing systems?
- Then we look forward to hearing from you!

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